

FREIGHT RAIL

An Operating Division of **TRANSNET SOC LTD**

[Registration No. 1990/000900/30]

An authorized Financial Services Provider – FSP 18828

REQUEST FOR PROPOSAL [RFP]

FOR INSTALLING SECURITY WALL AROUND KASERNE CAB OPERATION AREA

RFP NUMBER CRAC-KAZ-9628
ISSUE DATE: 06 NOVEMBER 2012
SITE BRIEFING DATE 13 NOVEMBER 2012
SITE BRIEFING TIME 10:00
VENUE MAIN ENTRANCE GATE
MARITZBURG ROAD
KASERNE
CLOSING DATE: 27 NOVEMBER 2012
CLOSING TIME: 10:00
BID VALIDITY PERIOD: 28 FEBRUARY 2013

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LIST OF ACRONYMS

B-BBEE	Broad-Based Black Economic Empowerment
CD	Compact/computer disc
DAC	Divisional Acquisition Council
DPE	Department of Public Enterprises
DTI	Department of Trade and Industry
EME	Exempted Micro Enterprise
FRC	Further Recognition Criteria
GBC	General Bid Conditions
ID	Identity Document
JV	Joint Venture
LOI	Letter of Intent
NDA	Non-Disclosure Agreement
NGP	New Growth Path
OD	Transnet Operating Division
PTN	Post-Tender Negotiations
QSE	Qualifying Small Enterprise
RFP	Request for Proposal
SD	Service Provider Development
SME	Small Medium Enterprise
SOC	State Owned Company
ST&C	Standard Terms and Conditions
TAC	Transnet Acquisition Council
TCO	Total Cost of Ownership
VAT	Value-Added Tax
ZAR	South African Rand

RFP FOR INSTALLING SECURITY WALL AROUND KASERNE CAB OPERATIONAL AREA**Section 1: NOTICE TO BIDDERS****1 PROPOSAL REQUEST**

Responses to this RFP [hereinafter referred to as a **Proposal** or **Proposals**] are requested from persons, companies, close corporations or enterprises [hereinafter referred to as an **Entity** or **Respondent**] to supply the aforementioned requirement(s) to Transnet.

On or after 06 November 2012, the RFP documents may be inspected at, and are obtainable from the office of Transnet Freight Rail Advice Centre, Inyanda House 1, Ground Floor, 21 Wellington road, Parktown, Johannesburg, on payment of an amount of R500,00 (inclusive of VAT) per set. Payment is to be made as follows:

Bank:	Standard Bank
Account Number:	203158598
Branch:	Braamfontein
Branch code:	004805
Account Name:	Transnet Limited Head Office
Reference:	

NOTES –

- a) This amount is not refundable.
- b) A receipt for such payment made must be presented when collecting the RFP documents and submitted with your Proposal.

RFP documents will only be available until 15h00 on Monday 12 November 2012

Any additional information or clarification will be faxed or emailed to all Respondents, if necessary.

2 FORMAL BRIEFING

A compulsory pre-proposal site meeting and RFP briefing will be conducted at Transnet Freight Rail, on the 13 November 2012 at 10:00, Maritzburg Offramp from N2. Main Entrance Gate, Maritzburg Road, Kaserne [Respondent to provide own transportation and accommodation].

For Directions please contact : Mr Lambertus Blom at Cell Number 083 704 1798

- 2.1 A Certificate of Attendance in the form set out in Section 14 hereto must be completed and submitted with your Proposal.
- 2.2 Respondents failing to attend the compulsory site meeting and/or RFP briefing will be disqualified.
- 2.3 Respondents without a valid RFP document in their possession will not be allowed to attend the site meeting and/or RFP briefing.
- 2.4 The briefing session will start punctually at 10h00 and information will not be repeated for the benefit of Respondents arriving late.

3 PROPOSAL SUBMISSION

Proposals **in duplicate** must reach the Secretary, Transnet Acquisition Council before the closing hour on the date shown below, and must be enclosed in a sealed envelope which must have inscribed on the outside:

RFP No:	CRAC-KAZ-9628
Description	INSTALLING SECURITY WALL AROUND KASERNE CAB OPERATIONAL AREA
Closing date and time:	27 NOVEMBER 2012, 10h00
Closing address	<i>[Refer options in paragraph 4 below]</i>

4 DELIVERY INSTRUCTIONS FOR RFP

4.1 Delivery by hand

If delivered by hand, the envelope is to be deposited in the Transnet tender box which is located in the foyer on the ground floor, Inyanda House 1, 21 Wellington road, Parktown, Johannesburg, and should be addressed as follows:

THE SECRETARY
TRANSNET ACQUISITION COUNCIL
GROUND FLOOR
TENDER BOX
INYANDA HOUSE 1
21 WELLINGTON ROAD
PARKTOWN
JOHANNESBURG
2001

- a) The measurements of the "tender slot" are 500mm wide x 100mm high, and Respondents must please ensure that response documents or files are not larger than the above dimensions. Responses which are too bulky [i.e. more than 100mm thick] must be split into two or more files, and placed in separate envelopes, each such envelope to be addressed as required in paragraph 3 above.
- b) It should also be noted that the above tender box is located at the main entrance and is accessible to the public 24 hours a day, 7 days a week.

4.2 Dispatch by courier

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

THE SECRETARY
TRANSNET ACQUISITION COUNCIL
INYANDA HOUSE 1
21 WELLINGTON ROAD
PARKTOWN
JOHANNESBURG
2001

- 4.3 Please note that this RFP closes punctually at 10:00 on Tuesday 27 November 2012.

- 4.4 If responses are not delivered as stipulated herein, such responses will not be considered and will be treated as "UNRESPONSIVE."
- 4.5 No email or facsimile responses will be considered, unless otherwise stated herein.
- 4.6 The responses to this RFP will be opened as soon as practicable after the expiry of the time advertised for receiving them.
- 4.7 Transnet shall not, at the opening of responses, disclose to any other company any confidential details pertaining to the Proposals / information received, i.e. pricing, delivery, etc. The names and locations of the Respondents will be divulged to other Respondents upon request.
- 4.8 Envelopes must not contain documents relating to any RFP other than that shown on the envelope. All envelopes must reflect the return address of the Respondent on the reverse side.
- 4.9 No slips are to be attached to the response documents. Any additional conditions must be embodied in an accompanying letter. Subject only to clause 23 [*Alterations made by the Respondent to Tendered Prices*] of the General Bid Conditions, alterations, additions or deletions must not be made by the Respondent to the actual RFP documents.

5 BROAD-BASED BLACK ECONOMIC EMPOWERMENT AND SOCIO-ECONOMIC OBLIGATIONS

Transnet fully endorses and supports the Government's Broad-Based Black Economic Empowerment Programme and it is strongly of the opinion that all South African business enterprises have an equal obligation to redress the imbalances of the past.

Transnet would therefore prefer to do business with local business enterprises who share these same values and who are prepared to contribute to meaningful B-BBEE initiatives [including, but not limited to subcontracting and Joint Ventures] as part of their tendered responses. Transnet will accordingly allow "preference" points to companies who provide a B-BBEE Accreditation Certificate. All procurement transactions will be evaluated accordingly.

Consequently, when Transnet invites prospective Service Providers to submit Proposals for its various expenditure programmes, it urges Respondents [*Large Enterprises and QSE's - see below*] to have themselves accredited in compliance with the Government Gazette No 34612, Notice No. 754 dated 23 September 2011. As from 1 October 2011 valid B-BBEE Accreditation Certificates must be issued by

- a) Verification Agencies accredited by the South African National Accreditation System [**SANAS**]; or
- b) Registered auditors approved by the Independent Regulatory Board of Auditors [**IRBA**], in accordance with the approval granted by the Department of Trade and Industry.

A Verification Certificate issued must reflect the weighted points attained by the measured entity for each element of the scorecard as well as the overall B-BBEE rating.

5.1 B-BBEE Rating

Enterprises will be rated by Verification Agencies or registered auditors based on the following:

- a) **Large Enterprises** [i.e. annual turnover greater than R35 million]:
 - Rating level based on all seven elements of the B-BBEE scorecard

- b) **Qualifying Small Enterprises – QSE** [i.e. annual turnover between R5 million and R35 million]:
- Rating based on any four of the elements of the B-BBEE scorecard
- c) **Exempted Micro Enterprises – EME** [i.e. annual turnover less than R5 million]:
- EMEs are exempted from B-BBEE accreditation
 - Automatic rating of Level 4 B-BBEE irrespective of race or ownership
 - Black ownership greater than 50% or Black Women ownership greater than 50% automatically qualify as Level 3 B-BBEE
 - EME's should provide documentary proof of annual turnover [i.e. annual financials signed off by an accounting officer] plus proof of Black ownership if Black ownership is greater than 50% and/or Black Women ownership is greater than 50%

Respondents will be required to furnish proof of the above to Transnet. [i.e. a detailed scorecard as stipulated above in respect of Large Enterprises and QSEs, or proof of turnover in respect of EMEs].

N.B. Failure to do so will result in a score of zero being allocated for B-BBEE.

Turnover: Kindly indicate your entity's annual turnover for the past year:

R _____

All Respondents must complete and return the B-BBEE Preference Points Claim Form attached hereto as Annexure A.

5.2 Joint Ventures and Subcontractors

In addition to the above, Respondents who wish to enter into a Joint Venture with, or subcontract portions of the contract to, B-BBEE entities must state in their RFPs, the percentage of the total contract value that will be allocated to such B-BBEE entities, should they be successful in being awarded any business. A rating certificate in respect of such B-BBEE JV-partners and/or subcontractor(s), as well as a breakdown of the distribution of the aforementioned percentage must also be furnished with the RFP response to enable Transnet to evaluate in accordance with the processes outlined in the B-BBEE Preference Points Claim Form appended hereto as Annexure A.

Please note that a Respondent will not be awarded points for B-BBEE if it is indicated in its Proposal that such Respondent intends subcontracting more than 25% [twenty-five per cent] of the value of the contract to an entity that does not qualify for at least the same points that the Respondent qualifies for, unless the intended subcontractor is an EME with the capability to execute the contract.

5.3 B-BBEE Registration

In addition to the accreditation certificate, Transnet recommends that Respondents register their B-BBEE compliance and supporting documentation on the Department of Trade and Industry's [DTI] National B-BBEE IT Portal and Opportunities Network and provide Transnet with proof of registration in the form of an official B-BBEE Profile issued by the DTI.

Transnet would wish to use the DTI B-BBEE IT Portal as a data source for tracking B-BBEE compliance.

For instructions to register and obtain a DTI B-BBEE Profile go to <http://bee.thedti.gov.za>

5.4 Further Recognition Criteria

Transnet encourages its Service Providers to constantly strive to improve their B-BBEE rating. Whereas Respondents will be allocated points in terms of a preference point system based on its B-BBEE scorecard to be assessed as detailed in paragraph 5.1 above, in addition to such scoring, a further **10% [ten per cent]** will be allocated to a Respondent's score based on the "Further Recognition Criteria" [**FRC**] on an ascending scale. This will be calculated based on the extent to which the Respondent commits to meet and/or exceed the minimum compliance targets with its proposed target score to be achieved during the contract period.

Respondents are required to submit their Further Recognition Criteria with their Proposals. *[Refer Section 17 for further instructions]*

5.5 Service Provider Development Initiatives

Historically in South Africa there has been a lack of investment in infrastructure, skills and capability development and an inequality in the income distribution and wealth of a significant portion of the population. There have been a number of Government initiatives developed to address these challenges. In particular, the New Growth Path [**NGP**] developed in 2010 aligns and builds on previous policies to ensure the achievement of Government's development objectives for South Africa.

Transnet fully endorses and supports Government's New Growth Path policy through its facilitation of Service Provider Development [**SD**] initiatives.

6 COMMUNICATION

Respondents are warned that a Proposal will be liable to disqualification should any attempt be made by a Respondent either directly or indirectly to canvass any officer or employee of Transnet in respect of this RFP between the closing date and the date of the award of the business.

6.1 For specific queries relating to this RFP, a Bid Clarification Request Form should be submitted, substantially in the form set out in Section 12 hereto. In the interest of fairness and transparency Transnet's response to such a query will then be made available to the other Respondents who have collected RFP documents. For this purpose all Respondents need to indicate by email their intention to respond to this RFP by informing Transnet of their contact details as soon as possible but on or before 3 days prior the closing date to prudence.nkabinde@transnet.net.

6.2 After the closing date of the RFP, a Respondent may communicate with the Secretary of the Transnet Acquisition Council, at telephone number 011 544 9486, email prudence.nkabinde@transnet.net or facsimile number 011 774 9186 on any matter relating to its RFP Proposal.

Respondents found to be in collusion with one another will be automatically disqualified and blacklisted from doing business with Transnet in the future.

7 INSTRUCTIONS FOR COMPLETING THE RFP

7.1 Sign one set of documents [sign, stamp and date the bottom of each page]. This set will serve as the legal and binding copy. A duplicate set of documents is required. This second set can be a copy of the original signed Proposal.

7.2 Both sets of documents to be submitted to the address specified in paragraph 4 above.

7.3 All returnable documents listed [✓] in the Proposal Form [Section 4] must be returned with your Proposal.

8 COMPLIANCE

The successful Respondent [hereinafter referred to as the **Service Provider**] shall be in full and complete compliance with any and all applicable laws and regulations.

9 ADDITIONAL NOTES

- 9.1 All returnable documents as indicated in the Proposal Form [Section 4] must be returned with the response.
- 9.2 Changes by the Respondent to its submission will not be considered after the closing date.
- 9.3 The person or persons signing the Proposal must be legally authorised by the Respondent to do so [Refer Section 6 – Signing Power, Resolution of the Board of Directors]. A list of those person(s) authorised to negotiate on your behalf [if not the authorised signatories] must also be submitted along with the Proposal together with their contact details.
- 9.4 Transnet would prefer not to do business with any agents [“middlemen”] who do not add significant value to the supply chain. In such instances Transnet will endeavour to contract directly with the overseas and / or local OEMs [Original Equipment Manufacturers].
- 9.5 Transnet may wish to visit the Respondent’s place of manufacture/workshop/premises during this RFP process.
- 9.6 Transnet reserves the right to undertake post-tender negotiations [PTN] with selected Respondents or any number of short-listed Respondents, such PTN to include, at Transnet’s option, any evaluation criteria listed in this RFP document.
- 9.7 Unless otherwise expressly stated, all Proposals furnished pursuant to this RFP shall be deemed to be offers. Any exceptions to this statement must be clearly and specifically indicated. Transnet reserves the right to reject any or all offers.

**FAILURE TO OBSERVE ANY OF THE AFOREMENTIONED REQUIREMENTS
MAY RESULT IN A PROPOSAL BEING REJECTED**

10 DISCLAIMERS

Respondents are hereby advised that Transnet is not committed to any course of action as a result of its issuance of this RFP and/or its receipt of a Proposal in response to it. In particular, please note that Transnet reserves the right to:

- 10.1 modify the RFP’s Services and request Respondents to re-bid on any changes;
- 10.2 reject any Proposal which does not conform to instructions and specifications which are detailed herein;
- 10.3 disqualify Proposals submitted after the stated submission deadline;

- 10.4 not necessarily accept the lowest priced Proposal;
- 10.5 reject all Proposals, if it so decides;
- 10.6 withdraw the RFP on good cause shown;
- 10.7 award a contract in connection with this Proposal at any time after the RFP's closing date;
- 10.8 award a contract for only a portion of the proposed Services which are reflected in the scope of this RFP;
- 10.9 split the award of the contract between more than one Service Provider; or
- 10.10 make no award of a contract.
- 10.11 preference will be given to locally based Service Providers

In addition, Transnet reserves the right to exclude any Respondent from the bidding process who has been convicted of a serious breach of law during the preceding 5 [five] years, including but not limited to breaches of the Competition Act 89 of 1998. Respondents are required to indicate in Section 11 *[Breach of Law]* whether or not they have been found guilty of a serious breach of law during the past 5 [five] years.

Kindly note that Transnet will not reimburse any Respondent for any preparatory costs or other work performed in connection with this Proposal, whether or not the Respondent is awarded a contract.

11 LEGAL REVIEW

A Proposal submitted by a Respondent will be subjected to review and acceptance or rejection of its proposed contractual terms and conditions by Transnet's Legal Counsel, prior to consideration for an award of business.

**Transnet urges its clients, Service Providers and the general public
to report any fraud or corruption on the part of Transnet employees to
TIP-OFFS ANONYMOUS : 0800 003 056**

RFP FOR THE INSTALLING SECURITY WALL AT KASERNE CAB OPERATIONAL AREA

Section 2: SCOPE OF REQUIREMENTS

1 GENERAL INFORMATION

- 1.1 The Service Provider(s) shall be fully responsible to Transnet for the acts and omissions of persons directly or indirectly employed by them.
- 1.2 The Service Provider(s) must provide the information requested and comply with the requirements stated in this RFP.

2 NATIONAL RAILWAY SAFETY REGULATOR ACT

In compliance with the National Railway Safety Regulator Act, 16 of 2002, the successful Respondent (**the Service Provider**) shall ensure that the Services to be supplied to Transnet, under the terms and conditions of a contract between the parties, comply fully with the specifications as set forth in this RFP, and shall thereby adhere to railway safety requirements and/or regulations [as applicable]. Permission for the engagement of a subcontractor by the Service Provider, as applicable, both initially and during the course of a contract, shall be subject to a review of the capability of the proposed subcontractor to comply with the specified railway safety requirements and/or regulations. The Service Provider and/or its subcontractor shall grant Transnet access, during the term of the contract, to review any safety-related activities, including the coordination of such activities across all parts of the organisation.

Accepted:

YES	
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NO	
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3 SERVICE LEVELS

- 3.1 An experienced national account representative(s) is required to work with Transnet's sourcing/procurement department. [No sales representatives are needed for individual department/locations]. Additionally, there shall be a minimal number of people, fully informed and accountable for this agreement.
- 3.2 Transnet will have quarterly reviews with the Service Provider's account representative on an on-going basis.
- 3.3 Transnet reserves the right to request that any member of the Service Provider's team involved on the Transnet account be replaced if deemed not to be adding value for Transnet.
- 3.4 The Service Provider guarantees that it will achieve a 95% service level on the following measures. If the Service Provider does not achieve this level as an average over each quarter, Transnet will receive a 1.5% rebate on quarterly sales payable in the next quarter:
- a)
 - b)
 - c) on time deliverables

- 3.5 Service Provider must provide a telephone number for customer service calls.
- 3.6 Failure of the Service Provider to comply with stated service level requirements will give Transnet the right to cancel the contract in whole, without penalty to Transnet, giving 30 [thirty] days' notice to the Service Provider.

Acceptance of Service Levels:

YES	
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NO	
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4 RISK

Respondents must elaborate on the control measures put in place by their entity, which would mitigate the risk to Transnet pertaining to potential non-performance by a Service Provider, in relation to:

4.1 Quality of Services required:

4.2 Continuity of Services *[refer clause 6.9 of Form ST&C]:*

4.3 Compliance with the Occupational Health and Safety Act, 85 of 1993 *[refer clause 8.1(f) of Form ST&C]:*

4.4 Compliance with the National Railway Safety Regulator Act, 16 of 2002 *[refer paragraph 2 above]:*

5 REFERENCES

Please indicate below the company names and contact details of existing customers whom Transnet may contact to seek third party evaluations of your current service levels:

Company Name	Nature of work	Value of work	Contact person	Contact details	Year completed

“PREVIEW COPY ONLY”

6 EVALUATION CRITERIA

The evaluation will have a 2 phased approach. Phase 1 will be a disqualifying phase and those that comply, will progress to be competitively evaluated in phase 2. Minimum criteria for progressing from phase 1 to phase 2 is detailed below: (Transnet will apply the following criteria; not necessarily in this order, phase 1 of the evaluation)

PHASE 1.

- Compliance to specification
- Fit for purpose
 - Safety Plan
 - Risk, Integrated management system environmental management
 - Technical Capacity/ Resources
 - Delivery schedule
 - Letter of Good Standing Valid

PHASE 2

- Competitive Pricing
 - BBBEE status of company
 - Further Recognition ~ Business with > 50 % Black Ownership
 - ~ Business with > 30 % Black women Ownership
- QSU/EME

Note: Transnet reserves the right to conduct post-tender negotiations with the preferred Respondent(s)

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RFP FOR INSTALLING SECURITY WALL AROUND KASERNE CAB OPERATIONAL AREA**Section 3: PRICING AND DELIVERY SCHEDULE**

Respondents are to complete the table below:

SCHEDULE OF WORK AND PRICES				
	<u>QUANTITY</u>	<u>UNIT</u>	<u>PRICE</u>	<u>AMOUNT</u>
1. Fixed charge items				
1.1) Contractual requirements	1	Sum		
2. Establishment of facilities on site				
Facilities for the Project Manager				
2.1) Furnished offices	1	Sum		
2.2) Name boards	1	Sum		
2.3) Toilet facilities	1	Sum		
Facilities for the Contractor				
2.4) Offices and storage sheds	1	Sum		
2.5) Ablution and latrine facilities	1	Sum		
2.6) Tools	1	Sum		
2.7) Heavy earth moving machines: Bulldozer Grader, 10 ton Roller and a Water car etc.	1	Sum		
2.8) Water suppliers, electric power	1	Sum		
2.9) Dealing with water	1	Sum		
2.10) Access	1	Sum		
2.11) Equipment	1	Sum		
3. Other Fixed charge obligations				
3.1) Permits for staff and other requirements	1	Sum		
4. Removal of site establishments				
4.1) Removal of all items as stated above, included restoring and making good to the Project Manager satisfaction	1	Sum		
5. TIME RELATED ITEMS				
5.1) Contractual requirements	32	Weeks		
6. OPERATIONAL AND MAINTANANCE OF FACILITIES ON SITE				
Facilities for the Project Manager				
6.1) Furnished offices	32	Weeks		
6.2) Name boards	32	Weeks		

6.3) Toilet facilities	32	Weeks		
Facilities for the Contractor	32			
6.4) Offices and storage sheds	32	Weeks		
6.5) Ablution and latrine facilities	32	Weeks		
6.6) Tools	32	Weeks		
6.7) Heavy earth moving machines Bulldozer Grader, 10 ton Roller and a Water car etc.	4	Weeks		
6.8) Water suppliers, electric power	32	Weeks		
6.9) Dealing with water	32	Weeks		
6.10) Access	32	Weeks		
6.11) Equipment	32	Weeks		
6.11) Supervision for the duration of the contract	32	Weeks		
6.12) Company and head office overheads cost for the duration of the contract	32	Weeks		
6.13) Security	32	Weeks		
7. SITE CLEARANCE				
7.1) Clear of grub two meter on either side of existing fence	2778	M ²		
7.2) Removal and grub of large trees of girth up to 500 mm.	10	Ea		
Over 1 m. and up to and included 2 m.	17	Ea		
Over 2 m. and up to and included 3 m.	40	Ea		
Over 3 m. in steps of 1 m.				
7.3) Cut and remove creepers on fence roots included	40	Meter		
8. EARTH WORKS				
8.1) Level of ground to ensure a level area prior fence can be erected this include removal of all trees bushes etc. as shown on the site meeting	23652	M ²		
8.2) Rip existing ground 300 mm. deep and 9 meters wide to ensure a hard surface prior erecting of the security wall	23652	M ²		
8.3) Move mine dump and embankment will be on a ± 45 degrees angle to create an open space prior wall can be erected. Sand will be dump on an allocated space \pm two kilometer away	6000	M ³		
SECURITY WALL				
9. Extra over excavation in soft rock	6	M ³		
10. Supply and fit 2.40 meter high gunnite wall complete as per	8240	M ²		

specifications				
11. Apply wet to dry epoxy Brick wall 3842 Precast 792	4634	M ²		
12. Supply and fit high tensile welded mesh (Ref156) New	8240	M ²		
13. Supply and fit high tensile welded mesh (Ref156) STEEL PALASADE	3650	M ²		
14. Supply and fit high tensile welded mesh (Ref156) PRECAST both sites	1445	M ²		
15. Supply and fit high tensile welded mesh (Ref156) PRECAST one site	1656	M ²		
16. Sprayed concrete to 30 MPA (4:1)strength 40 mm. thick to existing precast wall both sites	1445	M ²		
17. Sprayed concrete to 30 MPA (4:1)strength 40 mm. thick to existing precast wall one site	1656	M ²		
18. Sprayed concrete to 30 MPA (4:1)strength 120 mm. thick to existing palisade fence	3650	M ²		
19. Sprayed concrete to 30 MPA (4:1)strength 20 mm. thick to existing brick wall fence	3842	M ²		
20. Supply and fit cradles for razor coil New gunnite fence	857	Ea		
21. Supply and fit cradles for razor coil Existing precast	800	Ea		
22. Supply and fit cradles for razor coil Palisade fence	419	Ea		
23. Supply and fit cradles for razor coil One Brick wall	142	Ea		
24. Supply and install 730 mm. smart Coil (concertina) Ripper razor wire 4 strains of galvanized straining wire must be included in the price.	6234	Meters		
25. Repairs to existing precast fence	20	Panels		
26. Repairs to existing palisade fence	6	Meters		
27. Supply and fit storm water grids	300	Ea		
28. Demolish half brick wall complete	192	M ²		
29. Remove steel door and build opening close with cement stocks prior gunnite applied	2.88	M ²		
30. Build existing one brick walls higher with cement stocks prior gunnite applied	186	M ²		

31. Remove existing 2.40 meter palisade fence and place in a safe area that will be allocated	810	Meters		
32. Re-erect palisade fence using existing palisade and rail posts as per specifications	350	Meters		
33. Supply and erect steel palisade manual motor swing type of gates(butterfly) as per specifications (2/12.00 x 2.40)	2	Ea		
ACT 85 SAFETY MUST BE ADHERED TO ALL TIMES				
ALL WORK TO BE DONE ACCORDING TO SABS STANDARDS				
LEAVE AREA CLEAN AND NEAT AFTER COMPLETION OF WORK				
GROSS TOTAL R _____				
14% V.A.T. R _____				
AMOUNT DUE R R _____				

Notes to Pricing:

- a) All Prices must be quoted in South African Rand, exclusive of VAT
- b) Prices quoted must be held valid for a period of 90 days
- c) Manufacturing and erection lead time calculated from date of receipt of purchase order: _____ weeks

Specification

1. EARTH WORKS

- 1.1 Ground must be leveled and rip up to 300mm. deep and 9 meters wide and compact to ensure an hard surface prior erecting the security wall.
- 1.2 Ground must be leveled of to ensure an even space and all vegetation must be cleaned for three meter out site and six meter on the inside of the border line including trees.
- 1.3 Ground must be leveled of to ensure an even space and all vegetation must be cleaned for two meters on either site of existing fence.
- 1.4 Move mine dump and embankment will be on a ± 45 degrees angle to create an open space prior wall can be erected. Sand will be dump on an allocated space \pm one kilometer away

2. SECURITY

Contractor to provide his own security for the duration of the contract

GUNNITE SECURITY WALL

3. FOUNDATION

250 X 400 mm. deep 20 Mpa strip footing embedded with 800 x 1.9m ref 311 steel fabrics through centre. Steel fabric extends 400 mm. above footing.

All excavations for the foundation and poles must be included in the price to erect the fence

4. PRECAST WALL

The unit of measurements for pre-cast wall will be in meters length and 2.40 meters high supplied and erected.

The tendered rate shall allow for all labour, material and equipment to supply and erect pre-cast wall and backfill excavation for poles to the required compaction.

5. SPRAYED CONCRETE

The unit of measurement and payment is square meter of 50mm thick sprayed concrete applied and fixing of mesh on pre-cast wall. The tender rate includes all requirements as per specifications and drawings.

The tendered rate shall allow for all labour, plant, material and equipment to apply sprayed concrete and joints.

6. CEMENT

Only Portland cements of complying by cement standards SANS 50197 and SANS 50413 and extender standards SANS 1491 Parts 1, 2 and 3 shall be used

7. SAND

Fine aggregate shall consist of washed sand and shall be hard, dense, durable, clean, sharp and graded evenly from fine to coarse in accordance with the "Standard Specifications for Concrete Aggregates," A.S.T.M. Designation: C 33-67. It shall be free from organic matter and shall not contain more than 5% by weight of deleterious substances.

LIMITS OF GRADING OF FINE AGGREGATES

Sieve Size	Percent by Weight
Passing a 3/8 inch	100
Passing a No. 4	95-100
Passing a No. 8	65-90
Passing a No. 16	45-75
Passing a No. 30	30-50
Passing a No. 50	10-22
Passing a No. 100	2-8

For proper placement of Gunnite, sand should contain between 3% and 6% moisture by weight. Sand and cement proportion may be corrected to provide for bulk age due to sand moisture- content. Percentage of bulking can be easily determined in the field, using a process based on the theory that

100% surface saturation by water will develop a material density equal to that of loose dry sand. To run this test simply fill any vertical sided watertight container level full of sand and fill container with water. Physically measure the settlement of the sand and calculate the percent of shrinkage to vertical depth of the container.

8. WATER

Water used for hydration at the nozzle shall be fit for drinking and shall be maintained at a uniform pressure which shall be at least 15 pounds per square inch above air pressure at the nozzle.

This part of the project specification covers the construction of security wall and related activities,
which includes:

9. SUPPORT PRECAST POSTS

Consisting of 3.0m x 0.14 x 0.14 pre-cast poles embedded in the ground to the depth of 600mm and exposed
2.40 m above ground level Posts to have 400 x 600 x 600 mm. 20 mpa footing. 3 mm. foam rubber expansion strips must be applied to Posts

10. HIGH TENSION SUPPORT WIRE (HTW)

Double twist 3.15 mm galvanized high tension wire to be strung through holes drilled in concrete posts at 600mm. intervals in height. (4 strands per 2.4 meter)

11. SPRAYED CONCRETE APPLICATION

The faces of the pre-cast wall shall be clean and free of dust and loose material.

Welded steel mesh ref 156 shall be fixed to both the faces to be treated a 10mm space between the wall and the mesh should be allowed. This mesh will extend over the top of the wall and bent back to

form an 'L' hook and covered with sprayed concrete.

Sprayed concrete with strength of 30MPa at 28 days will be applied to both the faces of the wall to

provide a minimum cover of 50mm per face, the total cross sectional thickness of the wall after treatment will be minimum of 120mm.

The face will be left with a natural nozzle finish after treatment.

The top edge of the sprayed concrete will be defined by means of a horizontal former to provide a neat top edge.

The treatment of the sprayed concrete wall application will extend to ground level and be neatly finished.

12. SPRAYED CONCRETE

A mixture of cement, aggregate and water projected at high velocity into place from a nozzle, to produce a dense homogeneous mass.

13. CONSTRUCTION JOINT

Means a joint made by design or made necessary by a prolonged interruption in placing of concrete.

14. EXPANSION JOINT

Means a joint made to allow the structure to expand and retract due to environmental conditions without compromising the integrity of the structure by developing cracks.

15. MATERIALS

Sprayed concrete with compressive strength of 30 Mpa after 28 days will be used.

16. CONCRETE

Concrete with cube strength of 30 Mpa after 28 days will be used for all structural concrete work.

17. WET TO DRY EPOXY

Apply wet to dry day epoxy to existing wall prior sprayed concrete apply.

18. WELDED MESH FABRIC

Welded mesh fabric complies with the requirements of SANA 1024 – 1991

2.4 x 1.9 m ref 245 steel fabric bound tightly to high tension support wire (htw) and affixed to existing Ref 311 steel fabric with a 400 mm. overlap. Ensure minimum 30 mm. coverage on steel fabric through use of cover blocks

19. APPLICATION OF GUNNITE

Apply 120 mm. 30 mpa dry mixes to suitable form work supplied by the contractor on the new wall

Apply 120 mm.30 mpa dry mixes to suitable form work supplied by the contractor on the existing palisade fence

Apply 50 mm. 30 mpa dry mixes to the existing precast wall on both sites of the wall

Apply 50 mm. 30 mpa dry mixes to the existing precast wall on one site of the wall as shown on site meeting

Apply 20 mm. 30 mpa dry mixes to the existing brick wall

20. FORMS

Forms shall be adequately braced to insure against excessive vibration.

Forms shall be built so as to permit the escape of air and rebound and to facilitate the placing of gunnite.

Form surfaces shall be cleaned prior to application of gunnite.

Forms will have mould releasing oil lightly applied

21. EQUIPMENT

The contractor is to provide all plants, equipment, labour and material necessary to execute the works detailed in the Bills of Quantities.

No plant, equipment or material will be provided to the Contractor by Transnet Freight Rail

22. CONCRETE BATCHING

Concrete batching equipment includes bins and mass measuring equipments for and cement, if used in bulk. The mass measuring equipment shall be accurate percent throughout its working range. The Contractor provides a certificate of accuracy of a measuring requirement on a quarterly basis.

23. SPRAYED CONCRETE**Spraying Procedure**

Reinforcement shall be firmly fixed to give the cover specified in the specification or by the Project Manager

- Guide shall be set up to define the required finished surface, and subjected to approval.

- No concrete shall be sprayed in air temperature less than 1°C. Freshly sprayed concrete shall be protected from rain and water until the surface is of sufficient hardness to resist damage.
- Sprayed concrete shall be applied so that it neither sags nor slumps.
- All reinforcement shall be completely embedded in the sprayed concrete.
- Cover to reinforcement shall be at least 25mm
- Sprayed concrete shall be left with a struck off finish. All surface finishes shall be reasonably uniform in texture and free of blemishes.
- Freshly sprayed concrete shall be protected against freezing for a period of at least three days.
- Approved Curing compound to be applied within one hour of final layer applications.
- Areas of sprayed concrete, which exhibit a lack of compaction or bond, dry patches, voids, sand pockets or sagged or slumped material shall be removed and re-sprayed immediately. Areas of re-spraying shall be not less than 300x300mm.

24. BATCHING

The Contractor shall design Mix proportions. Mass batching shall be employed unless volume batching is approved. The accuracy of the mass batching shall be within 3%. If volume batching is permitted the equipment shall be calibrated periodically by mass measurement.

Damp aggregate shall be used within five hour of the addition of cement. Cement may however be added more than one hour before use provided that the aggregates are thoroughly oven dried.

All constituents shall be uniformly distributed throughout the mix.

25. CURING

In order to enhance long-term durability of the concrete, proper curing shall be carried out so that adequate hydration of the cement takes place.

The following curing methods are permissible, except where other wise specified:

For plain concrete:

Retaining forms in place on vertical surfaces provided they are made of non-absorbent facing materials.

Sprinkling or spraying with water. This shall be done at frequent intervals provided that the concrete remains continuously moist and is not allowed to dry out between wettings. Erosion of the fresh concrete surface shall be avoided.

Covering with plastic sheeting, waterproof or other curing paper. The covering material shall be firmly and continuously held in place along its edges such that the concrete surface is not allowed to dry out. Care shall be taken not to tear, puncture or otherwise disrupt the continuity of the curing film. Plastic film must not be black and preferably not white or clear.

26. CONCRETE SURFACES

Gunnite to have a uniform nozzle finish

27. CONCRETE BATCHING

All aggregates are precisely measured by mass using approved precision weigh batching equipment, unless otherwise permitted by the Project Manager.

Should any variation in the composition of the aggregate become apparent, the Project Manager shall be notified and a further sample of the aggregate submitted immediately for his approval

28. READY-MIXED CONCRETE

The use of ready mix concrete is permissible concrete test results obtained from the production facility are acceptable, provided that the tests are carried out in accordance with the specifications.

Where concrete is delivered to site mixed, the requirements of SANS 878 shall apply.

29. PLACING

Inspection of excavation: The size, shape and depth of any excavation shall be approved by the Project Manager before concrete is placed.

30. RECORDS

The Contractor shall maintain the following daily records for sprayed concrete and concrete structure and make these available at all times during the progress of the work for inspection by the Project Manager

- The date and times during which concrete is placed
- Identification of the part works in which the concrete is placed.
- The mix proportions and specified strength.
- The type and brand of cement
- The slump of the concrete
- The identifying marks of test cubes made
- Curing procedure applied to concrete placed
- The date of dispatch of the cubes to the testing laboratory
- The test results.

The records shall be delivered to the Project Manager each week except in the case of sub-standard concrete, where the Project Manager is informed immediately.

31. TOLERANCES

Tolerances shall be within the limits listed SANS 1200 G for Degree of Accuracy II specified in clause 6, unless stated otherwise on drawings.

The wall shall not deviate more than 50mm from the proposed design position.

32. TESTING**33. SPRAYED CONCRETE**

All spraying procedure shall be approved. Trial mixes of each proposed mix design shall be prepared, and procedure test panels shall be sprayed in good time before the commencement of the works or introduction of an amended spraying procedure in order to allow approval to be obtained.

34. CONCRETE

Before the start of any concrete work on site, the Contractor shall supply the Project Manager with a statement of the mix propositions which he proposes to use, and the target strength for each grade of concrete.

35. GENERAL

All testing shall conform to the relevant clauses in SANS 1200

36. FREQUENCY OF SAMPLING

Gunnite to be compressive tested every 75m³ applied

37. ACCEPTANCE CRITERIA

Acceptance criteria are as specified in SANS 1200 G, section 7.3. If the Contractor disputes test results on concrete cubes, the concrete represented by the cubes are considered acceptable if the Contractor, at his own cost, proves to the satisfaction of the Project Manager that the estimated actual strength of the cores taken from the structure, determined in accordance with SANS method 865, is not less than the specified strength.

If the strength of concrete fails to meet the acceptance criteria stipulated, the Project Manager may in his sole discretion, and in addition to the options listed in SANS:

Accept the concrete subject to approved remedial measures being undertaken by the Contractor or

permit the concrete to remain subject to the payment of a penalty.

The penalty is determined as follows:

$$\text{Penalty} = V \times R \times F$$

Where:

V = Volume of concrete of unsatisfactory strength represented by the test result

R = Relevant scheduled rate

$F = 1 - \frac{\text{average strength of unsatisfactory concrete}}{\text{Specific strength} + 6 \text{ Mpa}}$

When the relevant schedule rate ® includes the cost of formwork or

$F = 1 - \frac{\text{Average strength of unsatisfactory concrete}}{\text{Specific strength} + 6 \text{ Mpa}}$

When the relevant schedule rate ® exclude the cost of formwork, or where no formwork is involved.

38. BRACKETS

Smart coil Ripper Razor wire bracket to be installed into side of concrete posts or welded to palisade fencing or secure to brick wall with 4 roll bolts prior gunnite application.

Brackets to be constructed of galvanized 30mm round steel pipe in a half moon shape with 4/ 2 mm. holes drilled for straining wire to hold razor coil in position and end of pipes to be closed with a rubber cap after been galvanizing and fix in position.

39. SMART COIL RIPPER RAZOR

A 730 mm. diameter razor coil when packed with a stretch distanced of approx. 11 meter Cochrane product to be fitted in the cradle on 4 strains of galvanized straining wire that must be included in the price.

40. CONSTRUCTION

40.1 COOPERATION WITH OTHER PARTIES AND SAFETY

The contractor and his sub-contractors will be required to arrange with Transnet freight Rail depot management (Depot Management) and attend necessary induction courses. Refer to attached Health and Safety documents

The Contractor must allow for daily activities of the operational staff in and around the Site

The Contractor shall prepare a list of client representatives on;

All services

All operations

All other relevant parties

And have this list updated and displayed in- and out site the site office. He shall further use this list as first point of reference in any incident.

Should the Contractor not receive immediate co-operation, he shall notify the Project Manager immediately, failing which he may be held responsible for any delays resulting there from.

The Contractor shall make reasonable allowance in all tendered rates for the necessity of interfacing with the activities of the staff, and allow for access at all times for use by other parties unless otherwise agreed by the Project Manager.

The contractor must cordon off the area where the construction is to be undertaken, to prevent injuries to visitors and staff, and to reasonably control vehicular and pedestrian traffic.

40.2 ACCESS TO THE SITE

Access to the site shall be determined with the successful contractor.

Arrangements must be made with the Depot management for material and equipment arrivals and departure. The successful Contractor is to be adhere to all Rules and Regulations of the Depot Management

40.3 HOURS OF WORK

Normal working hours will be 7:00 to 16:30 Mondays to Fridays.

Tenderers must however estimate their own cost with respect to working outside normal working hours.

The cost thereof will be considered to be included in the tendered rates.

40.4 CARE OF EXISTING FACILITIES

The Contractor shall take care not to damage existing facilities and services.

The Project Manager may instruct the Contractor to clean or reinstate any facilities damaged or contaminated by the Contractor, to its original condition, without additional payment.

The contractor must remove all un-used material and rubble on completion of the works.

40.5 TEMPORARY WORKS, SITE SERVICES AND CONSTRUCTION CONSTRAINTS

40.5.1 FACILITIES FOR SUPERVISOR

No additional facilities for the Consultants are required. The Consultants and their representative will make use of a portion of the site office.

40.5.2 SITE OFFICES FOR CONTRACTOR

The Contractor shall provide the items as below, in a site office provided him and the position thereof must be approved by depot Management.

Clean table and two chairs

Document storage (Drop in filing cabinet and plan hanger)

Email and internet facilities.

Site Dairy: Performance to be approved by the Project Manager

Personal Protection Equipment (hard hats, safety vests, safety shoes)

Emergency and Safety Equipment (Fire extinguisher First Aid Kit)

40.5.3 TOILETS

The Contractor must use his own portable toilets

40.5.4 WATER SUPPLY

A supply of water is available on site at Kaserne. The Contractor must however make his own arrangements, for connection to existing services maintaining and removal of connection/s on completion of the contract

40.5.5 ELECTRICAL SUPPLY

Power is available on site at Kaserne. The Contractor must however make his own arrangements, for connection to existing services maintaining and removal of connection/s on completion of the contract

40.6 COMPLETION, TESTING COMMISSIONING AND CORRECTIONS OF DEFECTS

All work to be done by the completion date as stated in the contract data

40.6.1 RETENTION AND MAINTENANCE PERIOD

With reference to the General Conditions of the Contract, the Employer will retain the full ten percent of the value of the work completed as reflected by the monthly progress measurements, until the completion of the contract and the full maintenance period of six months.

40.6.2 GUARENTEE

The Contractor shall provide guarantee (bond) in the amount of ten percent of the contract value for the due and faithful performance by him of all his duties and obligations resting upon him in term of the contract. Such guarantee shall be in the form of-

Above guarantee must be obtained within two weeks from award of the contract.

Site access will only granted after guarantee is logged with T F R

12 41 GALVANIZED STEEL PALISADE FENCING – 2, 4 M HIGH

12.1 Apron

- a) A 15 Mpa concrete apron measuring 200 mm wide and 400 mm deep shall be constructed along the full length of the palisade fence.**
- b) The apron shall be constructed with the top level being 50 mm above the natural ground level.**
- c) A 10 mm expansion joint shall be provided half-way between every 4th and 5th post. Materials for the expansion joint shall be 10 mm thick soft board or similar material. Where the continuous length of apron is less than 4 post spacing, an expansion joint shall not be required.**

- d) Where the steel palisade is to be constructed on existing tarred, concrete slab or paved surfaces, which are in good condition, the apron shall not be required.

12.2 Posts

- a) To be constructed from rectangular tubing 76 x 76 x 3 mm.
- b) Posts to be set in 400 mm x 600 mm concrete to a depth of 600 mm.
- c) Bottom 650 mm of post to be painted with black bitumen paint prior to erection.
- d) Posts to be fitted with pyramid caps, which shall be securely attached with silicon, or pop rivets.
- e) Posts to be designed to allow for drainage to cater for water ingress.

12.3 Top and Bottom Horizontal Rails

- a) To be constructed from 50 x 50 x 5 mm angle iron.
- b) A 13 mm hole to be drilled at both ends of each rail for mounting to posts with a M12 stainless steel bolt.
- c) Razor spikes to be fitted to top rail by means of pre-drilled holes (before galvanizing) and secured with 4, 8 mm stainless steel pop rivets.
- d) Industrial standard high security spikes shall be used.
- e) If horizontal rails are fixed to buildings or structures they must be fitted with pre-welded tabs/flanges (prior to galvanizing), and mounted by using 12 mm stainless steel chemical anchors.

12.4 Pales

- a) To be constructed of hot rolled angle iron 40 x 40 x 2 mm.
- b) Gap between pales to be a maximum of 110 mm.
- c) Pales to be a minimum of 2 350 mm long, and the top of the pales shall be in a spear or a trident configuration.
- d) The pales shall be mounted in such a manner that top of the pales shall be inline with top of the post caps.
- e) Distance between the concrete/tar and bottom of pales shall be a maximum of 50 mm.
- f) The following methods may be used to fix pales to horizontal rails:
- (i) Drilled hole, stud welded bolt or welded tab in pale for connection to pre-drilled (before galvanizing) holes in rails with M8 x 40 mm stainless steel bolts, washers and nuts.
- (ii) A "slide-in" or "clip-on" method, which does not allow for extraction of pale.

13 42 STEEL PALISADE ACCESS GATES – 2, 4 M HIGH

All material used in the construction of the gates (unless other wise specified) shall be hot dipped galvanized to SANS ISO 1461. No welding is to take place after galvanizing. All stainless steel used must be grade 304. Steel palisade access gates shall comply with the following minimum specifications:

13.1 42.1 Sliding Steel Palisade Motor Gates (Minimum of 3 m Wide)

- a) **42.1.1 Note:** While the minimum width of this gate is to be 3 m, preference will be given to the widest gate possible
- b) **42.1.2 The posts used to support and guide the gate shall comply with the same specification as in sub clause 41.**
- c) **42.1.3 The gate frame shall be constructed from rectangular tubing 120 x 50 x 3 mm. The frame shall be braced with four 250 x 40 x 6 mm flat bar braces which will be welded into the four corners of the frame. Tenderers may suggest additional bracing if required to prevent the gate from flexing.**
- d) **42.1.4 The horizontal rails of the gate frames shall be inline with the concrete wall**
- e) **42.1.5 Distance between the concrete/tar and bottom of the gate pales shall be a maximum of 50 mm.**
- f) **42.1.6 The top horizontal rail shall be fitted with razor spikes**
- g) **42.1.7 The pales fitted to the gate shall comply with the same specification as in sub clause 41 above, to match those fitted to the palisade fencing, and extend to the same height as the existing fence posts.**
- h) **42.1.8 The gate shall be fitted with two suitable wheels that will run on a galvanized guide rail. The guide rail will be fitted with pre-welded tabs/flanges (prior to galvanizing), and secured to a concrete foundation that a maximum of 300 mm intervals by using 12 mm stainless steel chemical anchors. The concrete foundation shall extend for the full distance between the gateposts. The concrete foundation shall be 400 mm deep and 1 000 mm wide. The concrete foundation for the guide rail and the foundation of the gateposts shall be cast as a single unit. (THE CONCRETE FOUNDATION WILL BE 150 MM. ABOVE THE GROUND LEVEL AND BE CASTED TO BE USE AS A SPEED HUMP)**
- i)
- j) **42.1.9 When standing outside the secure area, the gate will run to the left hand side.**
- k) **42.1.10 The gate must employ a system of wheels, tracks, guides and stops that will ensure smooth, safe and trouble-free operation.**
- l) **42.1.11 The gate must have a tamperproof mechanism that prevents the gate from being lifted off the rail.**

13.2 42.2 Steel Palisade Manual Motor Gates (Minimum of 4 m Wide)

- a) 42.2.1 The 4 m gates shall consist of 2 x 2 m (minimum), left and right leaf, swing type gates.**
- b) 42.2.2 The posts used for the gates shall comply with the same specification as in sub clause 41 above, and match those fitted to the palisade fencing.**
- c) 42.2.3 The gate frames shall be constructed from rectangular tubing 38 x 38 x 3 mm. The frames shall be braced with four 250 x 40 x 6 mm flat bar braces which will be welded into the four corners of the frame.**
- d) 42.2.4 The horizontal rails of the gate frames shall be inline with the horizontal rails of the palisade fence supplied.**
- e) 42.2.5 Distance between the concrete/tar and bottom of the gate pales shall be a maximum of 50 mm.**
- f) 42.2.6 The top horizontal rail shall be fitted with razor spikes as specified in sub clause 41 above.**
- g) 42.2.7 The pales fitted to the gate shall comply with the same specification as in sub clause 41 above, match those fitted to the palisade fencing, and extend to the same height as the palisade fencing.**
- h) 42.2.8 Two bullet or block type hinges with a 20 mm snug fitting stainless steel pin must be welded to the gates and the gate frames 200 mm from the top and the bottom of the gates. Spacers must be used when welding the bullet hinges top the gates and gateposts. A stainless steel grease nipple must be fitted (after galvanizing) to the female part of the hinges for greasing purposes.**
- i) 42.2.9 When standing outside the secure area, the gates will open outwards.**

RFP FOR INSTALLING SECURITY WALL AROUND KASERNE CAB OPERATIONAL AREA**Section 4: PROPOSAL FORM**

I/We _____

*[name of entity, company, close corporation or partnership]*of *[full address]*_____
_____carrying on business under style or title of *[trading as]* _____

represented by _____

in my capacity as _____

being duly authorised thereto by a Resolution of the Board of Directors or Members or Certificate of Partners, as the case may be, dated _____ a certified copy of which is annexed hereto, hereby offer to supply the above-mentioned Services at the prices quoted in the schedule of prices in accordance with the terms set forth in the accompanying letter(s) reference _____ and dated _____ *[if any]* and the documents listed in the accompanying schedule of RFP documents.

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

- (i) Standard Terms and Conditions of Contract [Form ST&C – Services];
- (ii) General Bid Conditions – Services; and
- (iii) any other standard or special conditions mentioned and/or embodied in this Request for Proposal.

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

Should Transnet decide that a formal contract should be signed and so inform me/us in a letter of intent [the **Letter of Intent**], this Proposal [and, if any, its covering letter and any subsequent exchange of correspondence] together with Transnet's Letter of Intent, shall constitute a binding contract between Transnet and me/us until the formal contract is signed.

I/We further agree that if, after I/we have been notified of the acceptance of my/our Proposal, I/we fail to enter into a formal contract if called upon to do so, or fail to commence the supply of Services within 4 [four] weeks thereafter, Transnet may, without prejudice to any other legal remedy which it may have, recover from me/us any expense to which it may have been put in calling for Proposals afresh and/or having to accept any less favourable Proposal.

I/We accept that any contract resulting from this offer will be for a period of only; and agree to a penalty clause to be negotiated with Transnet, which will allow Transnet to invoke a penalty [details to be negotiated] against us should the delivery of the Services be delayed due to non-performance by ourselves.

The law of the Republic of South Africa shall govern any contract created by the acceptance of this RFP. The *domicilium citandi et executandi* shall be a place in the Republic of South Africa to be specified by the Respondent hereunder, at which all legal documents may be served on the Respondent who shall agree to submit to the

jurisdiction of the courts of the Republic of South Africa. Foreign Respondents shall, therefore, state hereunder the name of their authorised representative in the Republic of South Africa who has the power of attorney to sign any contract which may have to be entered into in the event of their Proposal being accepted and to act on their behalf in all matters relating to such contract.

Respondent to indicate the details of its *domicilium citandi et executandi* hereunder:

Name of Entity: _____

Facsimile: _____

Address: _____

NOTIFICATION OF AWARD OF RFP

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

VALIDITY PERIOD

Transnet requires a validity period of 90 [ninety] days [from closing date] against this RFP.

NAME(S) AND ADDRESS / ADDRESSES OF DIRECTOR(S) OR MEMBER(S)

The Respondent must disclose hereunder the full name(s) and address(s) of the director(s) or members of the company or close corporation [C.C.] on whose behalf the RFP is submitted.

(i) Registration number of company / C.C. _____

(ii) Registered name of company / C.C. _____

(iii) Full name(s) of director/member(s) Address/Addresses ID Number(s)

CONFIDENTIALITY

All information related to a subsequent contract, both during and after completion, is to be treated with strict confidence. Should the need however arise to divulge any information gleaned from provision of the Services, which is either directly or indirectly related to Transnet's business, written approval to divulge such information must be obtained from Transnet.

DISCLOSURE OF PRICES TENDERED

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

YES	
-----	--

NO	
----	--

RETURNABLE DOCUMENTS AND SCHEDULES

Respondents are required to submit the following returnable documents and schedules with their responses [see √].

All Sections, as indicated in the footer of each page, must be signed, stamped and dated by the Respondent:

SECTION 1 : Notice to Bidders	√
- ANNEXURE A : B-BBEE Preference Points Claim Form	√
SECTION 2 : Background, Overview and Scope of Requirements	√
SECTION 3 : Pricing & Delivery Schedule	√
SECTION 4 : Proposal Form	√
SECTION 5 : Vendor Application Form	√
- Original or certified cancelled cheque or bank verification of banking details	√
- Certified copies of IDs of shareholder/directors/members [as applicable]	√
- Certified copy of Certificate of Incorporation [CM29/CM9 name change]	√
- Certified copy of share certificates [CK1/CK2 if CC]	√
- Entity's letterhead	√
- Original Tax Clearance Certificate	√
- Certified copy of VAT Registration Certificate	√
- Certified copy of Company Registration Certificate	√
- Certified Valid B-BBEE Accreditation Certificate [Large Enterprises and QSEs]	√
- Annual financials signed off by an accounting officer [EMEs]	√
SECTION 6 : Signing Power - Resolution of Board of Directors	√
SECTION 7 : Certificate of Acquaintance with RFP Documents	√
SECTION 8 : General Bid Conditions – Services	√
SECTION 9 : Standard Terms and Conditions of Contract	√
SECTION 10 : RFP Declaration Form	√
SECTION 11 : Breach of Law	√
SECTION 12 : Bid Clarification Request Form	√
SECTION 13 : Service Provider Code of Conduct	√
SECTION 14 : Certificate of attendance of Site Meeting / RFP Briefing	√
SECTION 15 : Non-Disclosure Agreement	√
SECTION 16 : Further Recognition Criteria	√
SECTION 17 : E4B – Minimum Communal Health Requirements	√
SECTION 18 : E4E – Safety arrangements and Procedural compliance	√
SECTION 19 : BBD8210 Version 1 – E7/1 – Specification to general work and works on, over, under or adjacent to railway lines and near high voltage equipment	√
Risk and safety plan	√

Failure to provide all the above-referenced returnable documents marked with a [✓] will result in a Respondent's disqualification. Bidders are therefore urged to ensure that all these documents are returned with their Proposals.

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 B-BBEE Accreditation Certificate, for the duration of any contract emanating from this RFP. 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 the Agreement forthwith without any liability and without prejudice to any claims which Transnet may have for damages against the Respondent.

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By signing the RFP documents, the Respondent is deemed to acknowledge that he/she has made himself/herself thoroughly familiar with all the conditions governing this RFP, including those contained in any printed form stated to form part hereof and Transnet SOC Ltd will recognise no claim for relief based on an allegation that the Respondent overlooked any such condition or failed properly to take it into account for the purpose of calculating tendered prices or otherwise.

SIGNED at _____ on this _____ day of _____ 2012

SIGNATURE OF WITNESSES

ADDRESS OF WITNESSES

1 _____

Name _____

2 _____

Name _____

SIGNATURE OF RESPONDENT'S AUTHORISED REPRESENTATIVE:

NAME: _____

DESIGNATION: _____

TELEPHONE: _____

CELL PHONE: _____

FACSIMILE: _____

RFP FOR INSTALLING SECURITY WALL AROUND KASERNE CAB OPERATIONAL AREA

TRANSENET



Section 5: SUPPLIER DECLARATION FORM

Supplier Declaration Form

Respondents are to furnish the following documentation and complete the Vendor Application Form below:

Note: No contract shall be awarded to any Respondent whose tax matters have not been declared by SARS to be in order.

Company Trading Name							
Company Registered Name							
Company Registration Number Or ID Number If A Sole Proprietor							
Form of entity	CC	Trust	Pty Ltd	Limited	Partnership	Sole Proprietor	
VAT number (if registered)							
Company Telephone Number							
Company Fax Number							
Company E-Mail Address							
Company Website Address							
Bank Name				Bank Account Number			
Postal Address						Code	
Physical Address						Code	
Contact Person							
Designation							
Telephone							
Email							
Annual Turnover Range (Last Financial Year)		< R5 Million		R5-35 million		> R35 million	
Does Your Company Provide		Products		Services		Both	
Area Of Delivery		National		Provincial		Local	
Is Your Company A Public Or Private Entity				Public		Private	
Does Your Company Have A Tax Directive Or IRP30 Certificate				Yes		No	
Main Product Or Service Supplied (E.G.: Stationery/Consulting)							

Respondent's Signature

Date & Company Stamp

BEE Ownership Details					
% Black Ownership		% Black women ownership		% Disabled person/s ownership	
Does your company have a BEE certificate			Yes	No	
What is your broad based BEE status (Level 1 to 9 / Unknown)					
How many personnel does the firm employ		Permanent		Part time	

Transnet Contact Person	
Contact number	
Transnet operating division	

Duly Authorised To Sign For And On Behalf Of Firm / Organisation			
Name		Designation	
Signature		Date	

Stamp And Signature Of Commissioner Of Oath			
Name		Date	
Signature		Telephone No.	

RFP FOR INSTALLING SECURITY WALL AROUND KASERNE CAB OPERATIONAL AREA

Section 6: SIGNING POWER – RESOLUTION OF BOARD OF DIRECTORS

NAME OF ENTITY: _____

It was resolved at a meeting of the Board of Directors held on _____ that

FULL NAME(S)	CAPACITY	SIGNATURE
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

in his/her capacity as indicated above is/are hereby authorised to enter into, sign, execute and complete any documents relating to Proposals and/or Agreements for the supply of Services.

FULL NAME _____

SIGNATURE CHAIRMAN

FULL NAME _____

SIGNATURE SECRETARY

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RFP FOR INSTALLING SECURITY WALL AROUND KASERNE CAB OPERATIONAL AREA**Section 7: CERTIFICATE OF ACQUAINTANCE WITH RFP DOCUMENTS**

NAME OF ENTITY:

I/We

do hereby certify that I/we acquainted myself/ourselves with all the documentation comprising this RFP and all conditions contained therein, as laid down by Transnet SOC Ltd for the carrying out of the proposed supply/service/works for which I/we submitted my/our response.

I/We furthermore agree that Transnet SOC Ltd shall recognise no claim from me/us for relief based on an allegation that I/we overlooked any RFP/contract condition or failed to take it into account for the purpose of calculating my/our offered prices or otherwise.

SIGNED at _____ on this _____ day of _____ 2012

SIGNATURE OF WITNESS

SIGNATURE OF RESPONDENT

RFP FOR INSTALLING SECURITY WALL AROUND KASERNE CAB OPERATIONAL AREA

Section 8: GENERAL BID CONDITIONS - SERVICES

Refer General Bid Conditions attached hereto

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Respondent's Signature

Date & Company Stamp

RFP FOR INSTALLING SECURITY WALL AROUND KASERNE CAB OPERATIONAL AREA**Section 9: STANDARD TERMS AND CONDITIONS OF CONTRACT
FOR THE PROVISION OF SERVICES TO TRANSNET**

Refer Form ST&C attached hereto.

**Respondents should note the obligations as set out in
clause 20 [Terms and Conditions of Bid]
of the General Bid Conditions [RFP Section 8] which reads as follows:**

"The Service Provider shall adhere to the Standard Terms and Conditions of Contract as set out in Form ST&C – Services, a copy of which is attached hereto. Should the Respondent find any conditions unacceptable, it should indicate which conditions are unacceptable and offer alternatives. 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."

RFP FOR INSTALLING SECURITY WALL AROUND KASERNE CAB OPERATIONAL AREA**Section 10: RFP DECLARATION 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 bid clarification purposes;
2. we have received all information we deemed necessary for the completion of this Request for Proposal [RFP];
3. at no stage have we received additional information relating to the subject matter of this RFP from Transnet sources, other than information formally received from the designated Transnet contact(s) as nominated in the RFP documents;
4. we are satisfied, insofar as our entity is concerned, that the processes and procedures adopted by Transnet in issuing this RFP and the requirements requested from bidders in responding to this RFP have been conducted in a fair and transparent manner; and
5. 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.

*If such a relationship exists, 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 may lead to the disqualification of a response and may preclude a Respondent from doing future business with Transnet]

6. 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.
7. We accept that any dispute pertaining to this bid will be resolved through the Ombudsman process and will be subject to the Terms of Reference of the Ombudsman. The Ombudsman process must first be exhausted before judicial review of a decision is sought. *[Refer "Important Notice to Respondents" overleaf].*
8. We further accept that Transnet reserves the right to reverse an award of business or decision based on the recommendations of the Ombudsman without having to follow a formal court process to have such award or decision set aside.

SIGNED at _____ on this _____ day of _____ 2012

For and on behalf of _____ duly authorised hereto	AS WITNESS:
Name:	Name:
Position:	Position:
Signature:	Signature:
Date:	
Place:	

IMPORTANT NOTICE TO RESPONDENTS

- Transnet has appointed a Procurement Ombudsman to investigate any material complaint in respect of RFPs exceeding R5,000,000.00 [five million S.A. Rand] in value. Should a Respondent have any material concern regarding an RFP process which meets this value threshold, a complaint may be lodged with Transnet's Procurement Ombudsman for further investigation.
- It is incumbent on the Respondent to familiarise himself/herself with the Terms of Reference for the Transnet Procurement Ombudsman, details of which are available for review at Transnet's website www.transnet.net.
- An official complaint form may be downloaded from this website and submitted, together with any supporting documentation, within the prescribed period, to procurement.ombud@transnet.net
- For transactions below the R5,000,000.00 [five million S.A. Rand] threshold, a complaint may be lodged with the Chief Procurement Officer of the relevant Transnet Operating Division.
- All Respondents should note that a complaint must be made in good faith. If a complaint is made in bad faith, Transnet reserves the right to place such a bidder on its List of Excluded Bidders.

RFP FOR INSTALLING SECURITY WALL AROUND KASERNE CAB OPERATIONAL AREA**Section 11: BREACH OF LAW**

NAME OF ENTITY: _____

I/We _____

do hereby certify that I/we **have/have not been** 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.

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____

SIGNATURE OF WITNESS_____
SIGNATURE OF RESPONDENT

RFP FOR INSTALLING SECURITY WALL AROUND KASERNE CAB OPERATIONAL AREA**Section 12: BID CLARIFICATION REQUEST FORM**

RFP No: CRAC-KAZ-9628

RFP deadline for questions / bid clarifications: **Before 12:00 3 days prior to closing date**

TO: Transnet SOC Ltd
ATTENTION: The Secretary, Transnet Acquisition Council [TAC]
EMAIL: prudence.nkabinde@transnet.net
DATE: _____
FROM: _____

RFP Bid Clarification No *[to be inserted by Transnet]***REQUEST FOR BID CLARIFICATION**

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RFP FOR INSTALLING SECURITY WALL AROUND KASERNE CAB OPERATIONAL AREA**Section 13: SERVICE PROVIDER CODE OF CONDUCT**

Transnet aims to achieve the best value for money when buying or selling Services and obtaining services. This however must be done in an open and fair manner that supports and drives a competitive economy. Underpinning our process are several acts and policies that any Service Provider dealing with Transnet must understand and support. These are:

- The Transnet Procurement Procedures Manual [**PPM**];
- Section 217 of the Constitution - the five pillars of Public PSCM [Procurement and Supply Chain Management]: fair, equitable, transparent, competitive and cost effective;
- The Public Finance Management Act [**PFMA**];
- The Broad Based Black Economic Empowerment Act [**B-BBEE**]; and
- The Prevention and Combating of Corrupt Activities Act.

This Code of Conduct has been included in this RFP to formally apprise prospective Transnet Service Providers of Transnet's expectations regarding behaviour and conduct of its Service Providers.

Prohibition of Bribes, Kickbacks, Unlawful Payments, and Other Corrupt Practices

Transnet is in the process of transforming itself into a self-sustaining State Owned Company [SOC], actively competing in the logistics industry. Our aim is to become a world class, profitable, logistics organisation. As such, our transformation is focused on adopting a performance culture and to adopt behaviours that will enable this transformation.

1. *Transnet will not participate in corrupt practices and therefore expects its Service Providers to act in a similar manner.*

- Transnet and its employees will follow the laws of this country and keep accurate business records that reflect actual transactions with and payments to our Service Providers.
- Employees must not accept or request money or anything of value, directly or indirectly, to:
 - illegally influence their judgement or conduct or to ensure the desired outcome of a sourcing activity;
 - win or retain business or to influence any act or decision of any decision stakeholders involved in sourcing decisions; or
 - gain an improper advantage.
- There may be times when a Service Provider is confronted with fraudulent or corrupt behaviour of Transnet employees. We expect our Service Providers to use our "Tip-offs Anonymous" Hot line to report these acts [0800 003 056].

2. *Transnet is firmly committed to the ideas of free and competitive enterprise.*

- Service Providers are expected to comply with all applicable laws and regulations regarding fair competition and antitrust.

- Transnet does not engage with non-value adding agents or representatives solely for the purpose of increasing B-BBEE spend [fronting].

3. *Transnet's relationship with Service Providers requires us to clearly define requirements, exchange information and share mutual benefits.*

- Generally, Service Providers have their own business standards and regulations. Although Transnet cannot control the actions of our Service Providers, we will not tolerate any illegal activities. These include, but are not limited to:
 - misrepresentation of their product [e.g. origin of manufacture, specifications, intellectual property rights];
 - collusion;
 - failure to disclose accurate information required during the sourcing activity [e.g. ownership, financial situation, B-BBEE status];
 - corrupt activities listed above; and
 - harassment, intimidation or other aggressive actions towards Transnet employees.
- Service Providers must be evaluated and approved before any materials, components, products or services are purchased from them. Rigorous due diligence is conducted and the Service Provider is expected to participate in an honest and straight forward manner.
- Service Providers must record and report facts accurately, honestly and objectively. Financial records must be accurate in all material respects.

Conflicts of Interest

A conflict of interest arises when personal interests or activities influence [or appear to influence] the ability to act in the best interests of Transnet.

- Doing business with family members
- Having a financial interest in another company in our industry

RFP FOR INSTALLING SECURITY WALL AROUND KASERNE CAB OPERATIONAL AREA**Section 14: CERTIFICATE OF ATTENDANCE OF SITE MEETING / RFP BRIEFING**

It is hereby certified that –

1. _____

2. _____

Representative(s) of _____ [name of entity]

attended the site meeting / RFP briefing in respect of the proposed Services to be supplied in terms of this RFP on _____ 2012

TRANSNET'S REPRESENTATIVE

RESPONDENT'S REPRESENTATIVE

DATE _____

DATE _____

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RFP FOR INSTALLING SECURITY WALL AROUND KASERNE CAB OPERATIONAL AREA

Section 15: NON-DISCLOSURE AGREEMENT [NDA]

Complete and sign the Non-Disclosure Agreement attached hereto

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Respondent's Signature

Date & Company Stamp

RFP FOR INSTALLING SECURITY WALL AROUND KASERNE CAB OPERATIONAL AREA**Section 16: FURTHER RECOGNITION CRITERIA [FRC]**

Transnet encourages its Service Providers to constantly strive to improve their B-BBEE rating. Whereas Respondents will be allocated points in terms of a preference point system based on its B-BBEE scorecard to be assessed as detailed in Section 1, paragraph 5.1, in addition to such scoring, a further 10% [ten per cent] will be allocated to Respondents score based on the following "Further Recognition Criteria" on an ascending scale. This will be calculated based on the extent to which the Respondent commits to meet, sustain and/or exceed the minimum compliance targets with its proposed target score to be achieved during the contract period.

Respondents are to insert their Further Recognition Criteria current and target compliance scores [i.e. not the % change but the end-state quantum expressed as a percentage] in the table below. This will indicate how you would intend to sustain or improve your FRC compliance rating over the contract period, which will represent a binding commitment to the successful Respondent.

Further Recognition Criteria				
Ownership Indicator	Required Responses	Compliance Target	Current Scores (%)	RFP Target Scores (%)
A Ownership :				
1. The percentage of the business owned by Black ¹ persons.	<i>Provide a commitment based on the extent to which ownership in the hands of Black persons as a percentage of total ownership of the organisation will be sustained or increased over the contract period.</i>	Points will be allocated for any score >50% to 100%, on a sliding scale		
2. The percentage of your business owned by Black women.	<i>Provide a commitment based on the extent to which ownership in the hands of black women as a percentage of total ownership of the organisation will be sustained or increased over the contract period.</i>	Points will be allocated for any score >30% to 100%, on a sliding scale		
	Required Responses	Compliance Target	Current Scores (%)	RFP Target Scores (%)

¹ "Black" means South African Blacks, Coloureds and Indians, as defined in the B-BBEE Act, 53 of 2003

RFP FOR INSTALLING SECURITY WALL AROUND KASERNE CAB OPERATIONAL AREA**Section 17: E4B – MINIMUM COMMUNAL HEALTH REQUIREMENTS****MINIMUM COMMUNAL HEALTH REQUIREMENTS IN AREAS OUTSIDE THE JURISDICTION OF A LOCAL AUTHORITY : TEMPORARY FACILITIES FOR CONTRACTOR'S PERSONNEL****1. CAMPS**

- 1.1 Prior to the erection of any camp, the Contractor shall submit to the Technical Officer, for his approval, details of his proposals as to the site, water supply, sanitation, and size and type of buildings. Where the site is on private land, the Contractor shall submit the written approval for the use of the site of the relevant statutory authority and of the owner and occupier of the land (as applicable).
- 1.2 Camps must not be erected on land infested with field rodents.
- 1.3 Adequate drainage shall be provided to carry off storm and waste water.
- 1.4 Buildings shall be built to a neat and orderly pattern.
- 1.5 All buildings shall have smooth, hard, impervious floors, graded to provide effective drainage and to permit washing.
- 1.6 Camps shall be maintained by the Contractor at his own expense in a clean and tidy condition. The Contractor shall take such steps as the Technical Officer and landowner/occupier may demand to prevent the creation of a nuisance.
- 1.7 When so instructed by the Technical Officer, the Contractor shall, at his own expense, erect suitable screens between the camp and any public road, thoroughfare or railway line.
- 1.8 After removal of a camp, the Contractor shall, at his own expense, restore the site to its original condition to the satisfaction of the Technical Officer and of the landowner and occupier where the site is on private land.

2. HOUSING

- 2.1 Every living room shall have cross ventilation, both constant and occasional. Where only one window is provided, it shall not be in the same wall as the door.
- 2.2 Dimensions of living rooms shall be sufficient to allow 3.5 square metres of floor area and 11 cubic metres of air space for each person over the age of 10 years. The floor area of any living room shall not be less than 7,8 square metres.
- 2.3 Flat-roofed quarters shall have a minimum roof height of 3 metres above floor level. For quarters with pitched roofs, the wall height shall be not less than 2,6 metres above the floor with a minimum height above floor of 3 metres at the top of the pitch.
- 2.4 Doors shall not be less than 2m x 0,75m and must be halved.
- 2.5 Windows of each living room shall have an area not less than one twelfth of the floor area and shall be capable of opening to at least half their full area.

- 2.6 In areas where malaria is prevalent, doors and windows must be fitted with gauze screens.
- 2.7 Cooking shelters shall comprise roofed structures, three sides of which shall be enclosed by a weatherproof material, approved by the Technical Officer to a height of at least **1m** above ground level.
 - 2.7.1 Sleeping quarters shall not accommodate more than 8 persons per room.
 - 2.7.2 Pegboards shall be carried on metal or concrete supports and shall be separated by partitions not less than 0,4 metres high extending to within 150mm of the end of the bunk. Pegboards shall be removable for cleaning.

3. **WATER SUPPLY AND ABLUTION FACILITIES**

- 3.1 The Contractor shall ensure that an adequate and conveniently situated supply of potable water is provided.
- 3.2 Separate buildings for ablution facilities shall be provided. Where approval has been obtained for the housing of both males and females, separate facilities for each sex shall be provided. The proportion shall be 1 cubicle for 20 persons.
- 3.3 Waste water shall be hygienically disposed of.

4. **SANITATION**

- 4.1 Separate buildings for latrine facilities shall be provided. Where housing are provided for both males and females, separate facilities for each sex shall be provided. The proportions shall be at least one squatting seat for every 15 persons or less in the case of pit latrines, or one for every 10 persons or less in case of pail latrines.

Latrines shall be fly proof and sited at least 10 metres from any other building, and shall not face on any public road, thoroughfare, railway line or residential property. Pits shall not be less than 2,5 metres deep and sited not less than 120 metres from nearest underground water source.
- 4.2 Latrines shall be so constructed, situated and maintained, and night soil so disposed of as to prevent access by animals, breeding of flies, pollution of streams and domestic water supplies, and other nuisances. Where a night soil removal service is operated by a competent authority, use of such service shall be obligatory, and the use of pit latrines and atria pits will not be permitted.
- 4.3 At least one refuse bin of adequate size with close fitting lid shall be provided for each building. Refuse bins shall be emptied and cleaned out daily.
- 4.4 Labour shall be employed on camp sanitation duties on the following basis:-
 - 4.4.1 Where the number of persons living at the camp is 20 or less - one unit.
 - 4.4.2 For additional numbers over 20 living at the camp - one unit per 100 or part thereof.
- 4.5 Unless refuse is removed by a competent authority, it shall be disposed of in pits and covered over daily with a layer of earth or ash of sufficient thickness to prevent depredations by rodents and the breeding of flies.

- 4.6 Adequate measures shall be taken against all vermin and insects responsible for the spread of disease. Any instructions of a competent health authority shall be carried out promptly and implicitly.
- 4.7 Buildings and bedboards shall be treated whenever necessary with an approved insecticide.
- 4.8 The Contractor shall permit and facilitate inspection of the camp and structures on the site by the staff of Transnet or any other competent authority, and shall comply with any reasonable request by such staff or any other competent authority to eliminate any unsanitary condition.
- 4.9 Any outbreak of infectious disease shall immediately be reported telephonically and confirmed in writing to the Technical Officer.
- 4.10 The keeping of animals of any sort is not permitted.
- 4.11 The Contractor shall have on hand at the camp the necessary tools, disinfectants and cleaning materials to maintain and clean the sanitary facilities.

5. **RATIONS**

Rations, where supplied by the Contractor, shall be stored in a suitable and rodent proof building with sufficient shelving.

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RFP FOR INSTALLING SECURITY WALL AROUND KASERNE CAB OPERATIONAL AREA**Section 18: E4E – SAFETY ARRANGEMENTS AND PROCEDURAL COMPLIANCE
(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 include 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.

5.4.1 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 Situations

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 designer(s) for the project:

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

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

13.3 Principal Contractor

Date

13.4 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.

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 :-** _____**ACCEPTANCE OF DESIGNATION***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 : _____**TECHNICAL OFFICER****Date :** _____

ACKNOWLEDGEMENT OF RECEIPT

Name _____ **of** _____
Contractor/Builder :- _____

**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 : _____

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RFP FOR INSTALLING SECURITY WALL AROUND KASERNE CAB OPERATIONAL AREA

**Section 19: BBD8210 VERSION 1 – E7/1 – SPECIFICATION TO GENERAL WORK AND
WORKS ON, OVER, UNDER OR ADJACENT TO RAILWAY LINES AND NEAR HIGH VOLTAGE
EQUIPMENT**

Refer to attached form hereto

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GENERAL BID CONDITIONS - SERVICES

[March 2012]

“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 or Bid Document(s)** shall mean a reference to a Request for Proposal or Request for Quotation;
- 1.2 **Respondent(s)** shall mean a respondent/bidder to a Transnet Bid;
- 1.3 **RFP** shall mean Request for Proposal;
- 1.4 **RFQ** shall mean Request for Quotation;
- 1.5 **RFX** shall mean RFP and/or RFQ, as the case may be;
- 1.6 **Services** shall mean the services required by Transnet as specified in its Bid Document;
- 1.7 **Service Provider** shall mean the successful Respondent;
- 1.8 **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;
- 1.9 **Transnet** shall mean Transnet SOC Ltd, a State Owned Company; and
- 1.10 **VAT** shall mean Value-Added Tax chargeable 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 procedures as laid down by Transnet and are to be strictly adhered to by any person or enterprise or company responding to this RFX.

3 LODGING OF BID DOCUMENTS

- 3.1 A Bid, which shall hereinafter include reference to an RFP or RFQ, shall be lodged with Transnet no later than the closing date and time specified for the receipt thereof, in accordance with the directions issued with Bid Documents.
- 3.2 Bids shall be transmitted in a sealed envelope and placed in the tender box at a venue stipulated in the Bid Documents with the Bid number and subject endorsed on the left hand bottom corner 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 on office stationery bearing their own terms and conditions of contract; non-compliance with this conditions 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 facsimile thereof. Only if insufficient space has been allocated to a particular response

may a Respondent submit additional information under separate cover using the Company's letterhead and duly cross-referenced in the RFX.

5 RAISING OF A CHARGE FOR PLANS, SPECIFICATIONS AND BID FORMS

- 5.1 A non-refundable charge may be raised for Bid Documents, depending on the administrative cost of preparing and issuing the Bid Document.
- 5.2 If any of the drawings or specifications referred to in Bid Documents are the official publications of recognised standardising bodies, copies of such drawings and specifications shall be acquired by Respondents at their own expense.

6 DEFAULTS BY RESPONDENTS

- 6.1 If the Respondent, after it has been notified of the acceptance of its Bid fails to:
- a) enter into a formal contract when called upon to do so in terms of clause 14 [*Contract Documents*], within such period as Transnet may specify; or
 - b) accept an order in terms of the Bid; or
 - c) when called upon to do so, furnish satisfactory security of the fulfilment of the contract in terms of clause 15 [*Securities*],

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 it in calling for new offers or in accepting a higher offer.

- 6.2 If any Respondent, who has submitted a Bid and/or concluded a contract with Transnet [hereinafter referred to as **the Service Provider**], or in the capacity of agent or subcontractor who has been associated with such Bid or contract:
- a) has withdrawn such Bid after the advertised date and hour for the receipt of Bids; or
 - b) has, after having been notified of the acceptance of its 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; or
 - c) has carried out any contract resulting from such Bid in an unsatisfactory manner or has breached any condition of such contract; or
 - d) has offered, promised or given a bribe in relation to the obtaining or the execution of such contract; or
 - e) has acted in a fraudulent or improper manner or in bad faith towards Transnet or any government department or towards any public body, company or person; or
 - f) has made any incorrect statement in the affidavit or certificate referred to in clause 12 [*Formal Notification Regarding Name of Successful Respondent*] and is unable to prove to the satisfaction of Transnet that
 - (i) it made the statement in good faith honestly believing it to be correct; and

(ii) before making such statement, it took all reasonable steps to satisfy itself of its correctness; or

g) caused Transnet damage, or to incur costs in order to meet the Service Provider's requirements which could not be recovered from the Service Provider;

then a Bid from any such Respondent shall be disqualified and the person, enterprise or company [including any directors] shall, subject to clause 6.3 below, be disqualified from bidding for any Transnet business through its "blacklisting" process.

6.3 Any person or enterprise or company against whom a decision has been given under the provisions of clauses 6.2b), 6.2d) or 6.2e) above, may make representations to the Chief Operating Officer of Transnet Group, whose decision shall be final.

6.4 Any disqualification [Blacklisting] imposed upon any person or enterprise or company, may also apply to any other enterprise under the same or different names of disqualified persons or enterprise or company [or associates thereof] and shall for avoidance of doubt also be applied to any agent or employee of the person or enterprise or company concerned.

7 CURRENCY

Prices or fees must be quoted in the currency of the Republic of South Africa [ZAR] in respect of local Services. Prices or fees in any other currency may be rejected by Transnet save where such price is quoted by a foreign Respondent.

8 EXCHANGE AND REMITTANCE

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 or manufacturer of such percentage of the contract or order value as may be stipulated by the Respondent in its Bid Documents and any variation in the amount to be so paid, which may arise as a result of fluctuations in the rate of exchange involved, will be for the account of the Service Provider.

8.1 The Respondent who desires to avail itself of the aforementioned facility must at the time of bidding furnish the information called for in the clause "Exchange and Remittance" of the Bid Documents and also furnish full details of the principals or service providers to whom payment is to be made.

8.2 The Service Provider shall at its own cost obtain forward exchange cover on foreign currency to protect itself against any currency rate fluctuation risks for the duration of any resulting contract or order. Transnet will NOT accept any fluctuations in the rate of exchange at the time when payments are made.

Transnet will not recognise any claim for adjustment of the order and/or contract price under clause 8.2 above, if the increase in price arises after the date on which the Services were to be completed, as set out in the order and/or contract, or any subsequent agreement between the parties.

9 ACCEPTANCE OF BID

9.1 Transnet does not bind itself to accept the lowest or any Bid.

- 9.2 Transnet reserves the right to accept any Bid in whole or in part.
- 9.3 Upon the acceptance of a Bid by Transnet, the parties shall be bound by these General Bid Conditions and the Standard Terms and Conditions of Contract [Form ST&C – Services] and any schedule of "Special Conditions" or otherwise which form part of the Bid Documents.
- 9.4 Where the Respondent has been informed by Transnet per facsimile message or email of the acceptance of its Bid, the acknowledgement of the receipt transmitted shall be regarded as proof of delivery to the Respondent.

10 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.

11 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.

12 FORMAL NOTIFICATION REGARDING NAME OF SUCCESSFUL RESPONDENT

In the case of Bids submitted to the Secretary of an Acquisition Council, unsuccessful Respondents will be formally notified of the names of successful Respondent(s) as soon as possible after the closing date for receipt of the Bid in question.

13 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 suppliers 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.

14 CONTRACT DOCUMENTS

- 14.1 The contract documents will comprise these General Bid Conditions and the Standard Terms and Conditions of Contract [Form ST&C – Services] and any schedule of "Special Conditions" or otherwise which form part of the Bid Documents.

- 14.2 These contract documents will constitute the contract between the parties upon receipt by the Respondent of Transnet's letter of acceptance / intent, subject to all additional amendments and/or special conditions thereto as agreed to by the parties.

15 SECURITIES

- 15.1 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 a deed of suretyship [**Deed of Suretyship**] furnished by an approved bank, building society, insurance or guarantee corporation carrying on business in South Africa.
- 15.2 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.
- 15.3 Such security, if required, shall be an amount which will be stipulated in the Bid Documents.
- 15.4 For the purpose of clause 15.1 above, Transnet will supply a Deed of Suretyship form to the successful Respondent for completion and no guarantee in any other form will be accepted. A copy of such form will be supplied to Respondents on request. For this purpose a Deed of Suretyship form will be provided which shall be completed and returned to Transnet or a designated official by the successful Respondent within 30 [thirty] days from the date of the letter of acceptance. No payment will be made until the form, duly completed, is delivered to Transnet. Failure to return the Deed of Suretyship 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.
- 15.5 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 15 will be for the account of the Service Provider.

16 PRICES SUBJECT TO CONFIRMATION

- 16.1 A Bid with prices which are subject to confirmation will not be considered.
- 16.2 Bids where firm prices are quoted for the duration of any resulting order and or contract will receive precedence over prices which are subject to adjustment.

17 DELETION OF SERVICES EXCLUDED FROM BID

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

18 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/Services 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) or Services concerned being excluded in the matter of the award of the business.

19 VALUE-ADDED TAX

- 19.1 In respect of local Services, i.e. Services to be provided by a South African company, the prices or fees quoted by the Respondent are to be exclusive of VAT which must be shown separately at the standard rate on the Service Provider's Tax Invoice.
- 19.2 In respect of Services to be provided by a foreign principal:
- a) the invoicing by the Service Provider on behalf of its foreign principal represents a service rendered by the principal;
 - 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

20 TERMS AND CONDITIONS OF BID

- 20.1 The Service Provider shall adhere to the Standard Terms and Conditions of Contract as set out in Form ST&C - Services, a copy of which is 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 alternatives by written submission on a company letterhead. 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.

21 IMPORTANT NOTICE TO RESPONDENTS REGARDING PAYMENT

21.1 Method of Payment

- a) The attention of the Respondent is directed to clause 10 [*Invoices and Payment*] of Form ST&C – Services, which sets 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 offer(s) 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 21.1a) above. Failure to comply with clause 21.1a) above may preclude a Bid from further consideration.

NOTE: The successful Respondent [the **Service Provider**] shall, where applicable, be required to furnish a guarantee covering any advance payments.

21.2 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 as 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 as referred to in the contract or order. Incomplete and/or incorrect Tax Invoices shall be returned and the conditional period will be recalculated from the date of receipt of the correct documentation.

22 PLANS, DRAWINGS, DIAGRAMS, SPECIFICATIONS AND DOCUMENT

Copyright in plans, drawings, diagrams, specifications and documents compiled by the Service Provider for the purpose of contract work shall be governed by the terms and conditions detailed in clause 12 of Form ST&T - Services (*Intellectual Property Rights*).

23 VISITS TO FOREIGN COUNTRIES

- 23.1 Respondents must furnish details in a covering letter if it is considered necessary that employees of Transnet should carry out inspection and/or review any operational Services at the premises of the preferred Respondent or its subcontractors overseas for the purpose of a product demonstration and/or final acceptance or for any other reason.
- 23.2 If the Respondent considers overseas visits to be necessary it must provide the following information in a covering letter in respect of each proposed visit:
- a) countries and places to be visited;
 - b) number of employees and disciplines involved;
 - c) number of man-days involved; and
 - d) motivation for the visit.
- 23.3 Transnet will make all arrangements with regard to booking of air journeys, hotel reservations, transport to and from airports, places of inspection or demonstration, etc. and all expenses will be for the account of Transnet.
- 23.4 Before a visit is undertaken, such as envisage in this clause 23, Transnet and the Respondent will agree in writing on the number of employees of Transnet that should undertake the visit and the number of man-days involved in the visit.

24 BIDS BY OR ON BEHALF OF FOREIGN RESPONDENTS

- 24.1 Bids submitted by foreign principals may be forwarded direct by the principals to the Secretary of the Acquisition Council or to a designated official of Transnet according to whichever officer is specified in the Bid Documents, or may be so forwarded on the principal's behalf by its South African representative or agent provided that written proof is submitted 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.
- 24.2 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.
- 24.3 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 Government Notice No. 1160 of 27 June 1930 [and any amendments thereto] - "Rules of the Supreme Court of South Africa for the authentication of documents executed outside the Republic for use within the Republic."
- b) The Power of Attorney must be signed by the principal under the same title as used in the Bid Documents.
- c) On arrival within the Republic of South Africa this Power of Attorney is to be completed in terms of Section 8(2) of the Stamp Duties Act No. 77 of 1968, or any amendment thereof.
- d) 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.
- e) The Power of Attorney must authorise the South African representative or agent to choose the *domicilium citandi et executandi* as provided for in clause 26 [Addresses for Notices] of the Standard Conditions of Contract, Form ST&C - Services.

24.4 If payment is to be made in South Africa, the foreign Supplier [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 Supplier'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.

24.5 The attention of the Respondent is directed to clause 15 above [Securities] regarding the provision of security for the fulfilment of contracts and orders and the manner and form in which such security is to be furnished.

oooOOOooo

NON-DISCLOSURE AGREEMENT

entered into by and between

TRANSNET SOC LTD

Registration Number 1990/000900/30

and

Registration Number _____

RFP

Number

CRAC-KAZ-9628

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THIS AGREEMENT is made between

Transnet SOC Ltd [Transnet] [Registration No. 1990/000900/30]

whose registered office is at 49th Floor, Carlton Centre, 150 Commissioner Street, Johannesburg 2001,

and

_____ **[the Company]** [Registration No _____]

whose registered office is at _____

WHEREAS

Transnet and the Company wish to exchange Information [as defined below] and it is envisaged that each party may from time to time receive Information relating to the other in respect thereof. In consideration of each party making available to the other such Information, the parties jointly agree that any dealings between them shall be subject to the terms and conditions of this Agreement which themselves will be subject to the parameters of the Bid Document.

IT IS HEREBY AGREED

1 INTERPRETATION

In this Agreement:

- 1.1 **Agents** mean directors, officers, employees, agents, professional advisers, contractors or sub-contractors, or any Group member;
- 1.2 **Bid or Bid Document** means Transnet's Request for Information [**RFI**] Request for Proposal [**RFP**] or Request for Quotation [**RFQ**], as the case may be;
- 1.3 **Confidential Information** means any information or other data relating to one party (the **Disclosing Party**) and/or the business carried on or proposed or intended to be carried on by that party and which is made available for the purposes of the Bid to the other party (the **Receiving Party**) or its Agents by the Disclosing Party or its Agents or recorded in agreed minutes following oral disclosure and any other information otherwise made available by the Disclosing Party or its Agents to the Receiving Party or its Agents, whether before, on or after the date of this Agreement, and whether in writing or otherwise, including any information, analysis or specifications derived from, containing or reflecting such information but excluding information which:
 - a) is publicly available at the time of its disclosure or becomes publicly available (other than as a result of disclosure by the Receiving Party or any of its Agents contrary to the terms of this Agreement); or

- b) was lawfully in the possession of the Receiving Party or its Agents (as can be demonstrated by its written records or other reasonable evidence) free of any restriction as to its use or disclosure prior to its being so disclosed; or
 - c) following such disclosure, becomes available to the Receiving Party or its Agents (as can be demonstrated by its written records or other reasonable evidence) from a source other than the Disclosing Party or its Agents, which source is not bound by any duty of confidentiality owed, directly or indirectly, to the Disclosing Party in relation to such information;
- 1.4 **Group** means any subsidiary, any holding company and any subsidiary of any holding company of either party; and
- 1.5 **Information** means all information in whatever form including, without limitation, any information relating to systems, operations, plans, intentions, market opportunities, know-how, trade secrets and business affairs whether in writing, conveyed orally or by machine-readable medium.

2 CONFIDENTIAL INFORMATION

- 2.1 All Confidential Information given by one party to this Agreement (the **Disclosing Party**) to the other party (the **Receiving Party**) will be treated by the Receiving Party as secret and confidential and will not, without the Disclosing Party's written consent, directly or indirectly communicate or disclose (whether in writing or orally or in any other manner) Confidential Information to any other person other than in accordance with the terms of this Agreement.
- 2.2 The Receiving Party will only use the Confidential Information for the sole purpose of technical and commercial discussions between the parties in relation to the Bid or for the subsequent performance of any contract between the parties in relation to the Bid.
- 2.3 Notwithstanding clause 2.1 above, the Receiving Party may disclose Confidential Information:
- a) to those of its Agents who strictly need to know the Confidential Information for the sole purpose set out in clause 2.2 above, provided that the Receiving Party shall ensure that such Agents are made aware prior to the disclosure of any part of the Confidential Information that the same is confidential and that they owe a duty of confidence to the Disclosing Party. The Receiving Party shall at all times remain liable for any actions of such Agents that would constitute a breach of this Agreement; or
 - b) to the extent required by law or the rules of any applicable regulatory authority, subject to clause 2.4 below.
- 2.4 In the event that the Receiving Party is required to disclose any Confidential Information in accordance with clause 2.3b) above, it shall promptly notify the Disclosing Party and cooperate with the Disclosing Party regarding the form, nature, content and purpose of such disclosure or any action which the Disclosing Party may reasonably take to challenge the validity of such requirement.
- 2.5 In the event that any Confidential Information shall be copied, disclosed or used otherwise than as permitted under this Agreement then, upon becoming aware of the same, without prejudice to

any rights or remedies of the Disclosing Party, the Receiving Party shall as soon as practicable notify the Disclosing Party of such event and if requested take such steps (including the institution of legal proceedings) as shall be necessary to remedy (if capable of remedy) the default and/or to prevent further unauthorised copying, disclosure or use.

- 2.6 All Confidential Information shall remain the property of the Disclosing Party and its disclosure shall not confer on the Receiving Party any rights, including intellectual property rights over the Confidential Information whatsoever, beyond those contained in this Agreement.

3 RECORDS AND RETURN OF INFORMATION

- 3.1 The Receiving Party agrees to ensure proper and secure storage of all Information and any copies thereof.
- 3.2 The Receiving Party shall keep a written record, to be supplied to the Disclosing Party upon request, of the Confidential Information provided and any copies made thereof and, so far as is reasonably practicable, of the location of such Confidential Information and any copies thereof.
- 3.3 The Company shall, within 7 (seven) days of receipt of a written demand from Transnet:
- a) return all written Confidential Information (including all copies); and
 - b) expunge or destroy any Confidential Information from any computer, word processor or other device whatsoever into which it was copied, read or programmed by the Company or on its behalf.
- 3.4 The Company shall on request supply a certificate signed by a director as to its full compliance with the requirements of clause 3.3b) above.

4 ANNOUNCEMENTS

- 4.1 Neither party will make or permit to be made any announcement or disclosure of its prospective interest in the Bid without the prior written consent of the other party.
- 4.2 Neither party shall make use of the other party's name or any information acquired through its dealings with the other party for publicity or marketing purposes without the prior written consent of the other party.

5 DURATION

The obligations of each party and its Agents under this Agreement shall survive the termination of any discussions or negotiations between the parties regarding the Bid and continue thereafter for a period of 5 (five) years.

6 PRINCIPAL

Each party confirms that it is acting as principal and not as nominee, agent or broker for any other person and that it will be responsible for any costs incurred by it or its advisers in considering or pursuing the Bid and in complying with the terms of this Agreement.

7 ADEQUACY OF DAMAGES

Nothing contained in this Agreement shall be construed as prohibiting the Disclosing Party from pursuing any other remedies available to it, either at law or in equity, for any such threatened or actual breach of this Agreement, including specific performance, recovery of damages or otherwise.

8 PRIVACY AND DATA PROTECTION

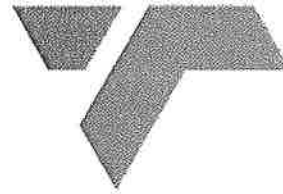
- 8.1 The Receiving Party undertakes to comply with South Africa's general privacy protection in terms of the Bill of Rights (Section 14) in connection with this Bid and shall procure that its personnel shall observe the provisions of such Act (as applicable) or any amendments and re-enactments thereof and any regulations made pursuant thereto.
- 8.2 The Receiving Party warrants that it and its Agents have the appropriate technical and organisational measures in place against unauthorised or unlawful processing of data relating to the Bid and against accidental loss or destruction of, or damage to such data held or processed by them.

9 GENERAL

- 9.1 Neither party may assign the benefit of this Agreement, or any interest hereunder, except with the prior written consent of the other, save that Transnet may assign this Agreement at any time to any member of the Transnet Group.
- 9.2 No failure or delay in exercising any right, power or privilege under this Agreement will operate as a waiver of it, nor will any single or partial exercise of it preclude any further exercise or the exercise of any right, power or privilege under this Agreement or otherwise.
- 9.3 The provisions of this Agreement shall be severable in the event that any of its provisions are held by a court of competent jurisdiction or other applicable authority to be invalid, void or otherwise unenforceable, and the remaining provisions shall remain enforceable to the fullest extent permitted by law.
- 9.4 This Agreement may only be modified by a written agreement duly signed by persons authorised on behalf of each party.
- 9.5 Nothing in this Agreement shall constitute the creation of a partnership, joint venture or agency between the parties.
- 9.6 This Agreement will be governed by and construed in accordance with South African law and the parties irrevocably submit to the exclusive jurisdiction of the South African courts.

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TRANSNET



Transnet SOC Limited Registration Number 1990/00900/06

TRANSNET SPECIFICATION

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

(This specification shall be used in network operator contracts)

Circulation Not Restricted

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1.0 SCOPE

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

2.0 DEFINITIONS

The following definitions shall apply:

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

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

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

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

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

"Dead" - Isolated and earthed.

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

"Executive Officer" - The person appointed by the network operator 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 1000 volts.

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

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

- telecommunication networks for transmission of digital information and
- safety sensitive train operations systems.

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

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

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

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

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

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

PART A - GENERAL SPECIFICATION

3.0 AUTHORITY OF OFFICERS OF TRANSNET

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

4.0 CONTRACTOR'S REPRESENTATIVES AND STAFF

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

5.0 OCCUPATIONS AND WORK PERMITS

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

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

6.0 SPEED RESTRICTIONS AND PROTECTION

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

7.0 ROADS AND ROADS ON THE NETWORK OPERATOR'S PROPERTY

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

8.0 CLEARANCES

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

9.0 STACKING OF MATERIAL

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

10.0 EXCAVATION, SHORING, DEWATERING AND DRAINAGE

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

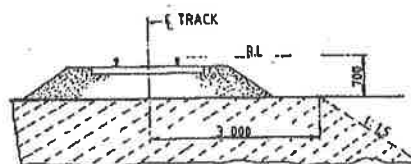


Fig 1

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

11.0 FALSEWORK FOR STRUCTURES

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

12.0 PILING

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

13.0 UNDERGROUND SERVICES

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

14.0 BLASTING AND USE OF EXPLOSIVES

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

the vicinity of the blasting operations to the effect that all claims for compensation in respect of damage caused by the blasting operations to their respective properties, have been settled.

- 14.9 The Contractor shall provide proof that he has complied with the provisions of clauses 10.17.1 to 10.17.4 of the Explosives Regulations (Act 26 of 1956 as amended).

- 14.10 Blasting within 500m of a railway line will only be permitted during intervals between trains. A person appointed by the Contract Supervisor, assisted by flagmen with the necessary protective equipment, will be in communication with the controlling railway station.

Only this person will be authorised to give the Contractor permission to blast, and the Contractor shall obey his instructions implicitly regarding the time during which blasting may take place.

- 14.11 The flagmen described in clause 14.10, where provided by the network operator, are for the protection of trains and the network operator's property only, and their presence does not relieve the Contractor in any manner of his responsibilities in terms of Explosives Act or Regulations, or any obligation in terms of this Contract.

- 14.12 The person described in clause 14.10 will record in a book provided and retained by the network operator, the dates and times:-

- (i) when each request is made by him to the controlling station for permission 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.

- 14.13 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 Contract Supervisor and the person who will do the blasting shall both sign the book whenever an entry described in clause 14.12 is made.

15.0 RAIL TROLLEYS

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

16.0 SIGNAL TRACK CIRCUITS

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

17.0 PENALTY FOR DELAYS TO TRAINS

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

18.0 SURVEY BEACONS AND PEGS

- 18.1 The Contractor shall not on any account move or damage any beacon, bench mark, reference mark, signal or trigonometrical station in the execution of the Works without the written approval of the Contract Supervisor.

Should the Contractor be responsible for any such occurrence, he shall report the circumstances to the Contract Supervisor who will arrange with the Director-General of Surveys for replacement of the beacon or mark at the cost of the Contractor.

- 18.2 The Contractor shall not move or damage any cadastral or mining beacon without the written approval of the Contract Supervisor and before it has been referenced by a registered land surveyor. Any old boundary beacon, which becomes an internal beacon on creation of new boundaries, shall not be moved without the written approval of the Contract Supervisor.

Should the Contractor move or damage any cadastral or mining beacon without authority, he shall be responsible for having it replaced, at his cost, by a land surveyor.

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

19.0 TEMPORARY LEVEL CROSSINGS

- 19.1 The Contract Supervisor may, on request of the Contractor, and if necessary for the purpose of execution of the Works, permit the construction of a temporary level crossing over a railway a line at a position approved by the Contract Supervisor and at the Contractor's cost. The period for which the temporary level crossing is permitted will be at the discretion of the Contract Supervisor.

- 19.2 The Contractor will provide protection and supervise the construction of the road over the track(s) and within the railway servitude at the level crossing, as well as the erection of all road signs and height gauges. All cost to be borne by the applicant.

The Contractor shall exercise extreme caution in carrying out this work, especially in respect of damage to tracks, services, overhead power and communications routes and prevent contact with "live" overhead electrical equipment.

Unless otherwise agreed, the Contractor will provide the service deviations or alterations to the network operator's track-, structure-, drainage-, electrical-, telecommunications- and train authorisation systems to accommodate the level crossing.

- 19.3 The Contractor shall take all necessary steps including the provision of gates, locks and, where necessary, watchmen to restrict the use of the temporary level crossing to himself and his employees, his subcontractors and their employees, the staff of the network operator and to such other persons as the Contract Supervisor may permit and of whose identity the Contractor will be advised. If so ordered by the Contract Supervisor, the Contractor shall provide persons to control road traffic using the temporary level crossing. Such persons shall stop all road traffic when any approaching train is within seven hundred and fifty (750) metres of the temporary level crossing, and shall not allow road traffic to proceed over it until the lines are clear.
- 19.4 The Contractor shall maintain the temporary level crossing within the railway servitude in good condition for the period it is in use. A temporary agreement with the road authority to be concluded for the maintenance of the level crossing outside the railway servitude.
- 19.5 When the temporary level crossing is no longer required by the Contractor, or permitted by the network operator, the Contractor shall at his own cost remove it and restore the site and the network operator's track-, structure-, drainage-, electrical-, telecommunications- and train authorisation systems to its original condition. Work over the tracks and within the railway servitude will be supervised by the network operator.

20.0 COMPLETION OF THE WORKS

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

21.0 PROTECTION OF PERSONS AND PROPERTY

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

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

- 21.2 The Contractor shall take all the requisite measures and precautions during the course of the Works to:
- (i) protect the public and property of the public,
 - (ii) protect the property and workmen of both the network operator and the Contractor,
 - (iii) avoid damage to and prevent trespass on adjoining properties, and
 - (iv) ensure compliance with any instruction issued by the Contract Supervisor or other authorised person, and with any stipulation embodied in the contract documents which affects the safety of any person or thing.
- 21.3 The network operator will provide, at its own cost, protection for the safe working of trains during such operations as the Contract Supervisor may consider necessary. Protection by the network operator for any purpose whatsoever, does not absolve the Contractor of his responsibilities in terms of the Contract.
- 21.4 The Contractor shall take all precautions and appoint guards, watchmen and compound managers for prevention of disorder among and misconduct by the persons employed on the Works and by any other persons, whether employees or not, on the work site and for the preservation of the peace and protection of persons and property in the direct neighbourhood. Any relocation of camps because of disorder shall be at the Contractor's expense.
- 21.5 All operations necessary for the execution of the Works, including the provision of any temporary work and camping sites, shall be carried out so as not to cause veldt fires, ground and environmental pollution, soil erosion or restriction of or interference with streams, furrows, drains and water supplies.
- If the original surface of the ground is disturbed in connection with the Works, it shall be made good by the Contractor to the satisfaction of the land owner, occupier or responsible authority.
- 21.6 The Contractor shall take all reasonable steps to minimise noise and disturbance when carrying out the Works, including work permitted outside normal working hours.
- 21.7 Dumping of waste or excess materials by the Contractor shall, in urban areas, be done under the direction and control of, and at sites made available by the local authority. Dumping outside local authority boundaries shall be done only with the express permission and under the direction and control of the Contract Supervisor.
- 21.8 The Contractor shall comply with environmental protection measures and specifications stipulated by the Contract Supervisor and/or local and environmental authorities.
- 22.0 INTERFERENCE WITH THE NETWORK OPERATOR'S ASSETS AND WORK ON OPEN LINES**
- 22.1 The Contractor shall not interfere in any manner whatsoever with an open line, nor shall he carry out any work or perform any act which affects the security, use or safety of an open line except with the authority of the Contract Supervisor and in the presence of a duly authorised representative of the network operator.
- 22.2 The Contractor shall not carry out any work or operate any plant, or place any material whatsoever nearer than three metres from the centre line of any open line except with the written permission of the Contract Supervisor and subject to such conditions as he may impose.
- 22.3 Care must be taken not to interfere with or damage any services such as overhead wire routes, cables or pipes and optical fibre cable, except as provided for the work specified. The Contractor will be held responsible for any damage to or interruption of such services arising from any act or omission on his part or of any of his employees, or persons engaged by him on the Works. The cost of repairing, replacing or restoring the services, as well as all other costs arising from any damage to services, shall be borne by, and will be recovered from the Contractor.
- 22.4 Authority granted by the Contract Supervisor and the presence of an authorised representative of the network operator in terms hereof, shall not relieve the Contractor of his duty to comply with this specification.
- 23.0 ACCESS, RIGHTS-OF-WAY AND CAMPSITES**
- 23.1 Where entry onto the network operator's property is restricted, permission to enter will be given only for the purpose of carrying out the Works and will be subject to the terms and conditions laid down by the network operator.
- 23.2 The Contractor shall arrange for campsites, workplaces and access thereto as well as for any right-of-

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

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

- 23.3 The Contractor shall take all reasonable steps to confine the movement of vehicles and plant to the approved right-of-way to minimise damage to property, crops and natural vegetation.

- 23.4 When access is no longer required, and before completion of the Works, the Contractor shall repair, restore or replace any fence or gate damaged during execution of the Works to the satisfaction of the Contract Supervisor and shall furnish the Contract Supervisor with a certificate signed by the owner and occupier of land over which he has gained access to a campsite, workplace and the Works, certifying that the owner and occupier have no claim against the Contractor or the network operator arising from the Contractor's use of the land. Should the Contractor be unable to obtain the required certificate, he shall report the circumstances to the Contract Supervisor.

24.0 SUPERVISION

- 24.1 The Contract Supervisor will provide overall technical superintendence of the Works, and may direct the Contractor in terms of the provisions of the Contract or in respect of any measures which the Contract Supervisor may require for the operations of the network operator, the safety of trains, property and workmen of the network operator, and for the safety of other property and persons. The Contractor shall carry out the directions of the Contract Supervisor. The superintendence exercised by the Contract Supervisor, including any agreement, approval, refusal or withdrawal of any approval given, shall not relieve the Contractor of any of his duties and liabilities under the Contract, and shall not imply any assumption by the network operator or by the Contract Supervisor of the legal and other responsibilities of the Contractor in carrying out the Works.

- 24.2 The Contract Supervisor may delegate to any deputy or other person, any of his duties or functions under the Contract. On receiving notice in writing of such delegation, the Contractor shall recognise and obey the deputy or person to whom any such duties or functions have been delegated as if he were the Contract Supervisor.

- 24.3 The Contractor shall exercise supervision over the Works at all times when work is performed or shall be represented by an agent having full power and authority to act on behalf of the Contractor. Such agent shall be competent and responsible, and have adequate experience in carrying out work of a similar nature to the Works, and shall exercise personal supervision on behalf of the Contractor. The Contract Supervisor shall be notified in writing of such appointment which will be subject to his approval.

- 24.4 The Contractor or his duly authorised agent shall be available on the site at all times while the Works are in progress to receive the orders and directions of the Contract Supervisor.

25.0 HOUSING OF EMPLOYEES

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

26.0 OPTICAL FIBRE CABLE ROUTES

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

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

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

27.0 GENERAL

- 27.1 This specification is based on the contents of Transnet's publication ELECTRICAL SAFETY INSTRUCTIONS, as amended, a copy of which will be made available on loan to the Contractor for the duration of the contract.

These instructions apply to all work near "live" high-voltage equipment maintained and/or operated by the network operator, and the onus rests on the Contractor to ensure that he obtains a copy.

- 27.2 This specification must be read in conjunction with and not in lieu of the Electrical Safety Instructions.
- 27.3 The Contractor's attention is drawn in particular to the contents of Part I, Sections 1 and 2 of the Electrical Safety Instructions.
- 27.4 The Electrical Safety Instructions cover the minimum safety precautions which must be taken to ensure safe working on or near high-voltage electrical equipment, and must be observed at all times. Should additional safety measures be considered necessary because of peculiar local conditions, these may be ordered by and at the discretion of the Electrical Officer (Contracts).
- 27.5 The Contractor shall obtain the approval of the Electrical Officer (Contracts) 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.
- 27.6 The Contractor shall regard all high-voltage equipment as "live" unless a work permit is in force.
- 27.7 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 the network operator's staff where this is necessary.
- 27.8 No barrier shall be removed unless authorised by the Electrical Officer (Contracts).

28.0 WORK ON BUILDINGS OR FIXED STRUCTURES

- 28.1 Before any work is carried out 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.
- 28.2 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.
- 28.3 The shuttering for bridge piers, abutments, retaining walls or parapets adjacent to or over any track may be permitted to serve as a barrier, provided that it extends at least 2,5 metres above any working level in the case of piers, abutments and retaining walls and 1,5 metres above any working level in the case of parapets.

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

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

local depot examining officer.

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

30.0 USE OF EQUIPMENT

30.1 Measuring Tapes and Devices

- 30.1.1 Measuring tapes may be used near "live" high-voltage equipment provided that no part of any tape or a person's body comes within 3 metres of the "live" equipment.
- 30.1.2 In windy conditions the distance shall be increased to ensure that if the tape should fall it will not be blown nearer than 3 metres from the "live" high-voltage equipment.
- 30.1.3 Special measuring devices longer than 2 metres such as survey sticks and rods may be used if these are of non-conducting material and approved by the responsible Electrical Engineer of the network operator, but these devices must not be used within 3 metres of "live" high-voltage equipment in rainy or wet conditions.
- 30.1.4 The assistance of the Electrical Officer (Contracts) shall be requested when measurements within the limits defined in clauses 31.1.1 to 31.1.3 are required.
- 30.1.5 The restrictions described in 31.1.1 to 31.1.3 do not apply on a bridge deck between permanent parapets nor in other situations where a barrier effectively prevents contact with the "live" high-voltage equipment.

30.2 Portable Ladders

- 30.2.1 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.

31.0 CARRYING AND HANDLING MATERIAL AND EQUIPMENT

- 31.1 Pipes, scaffolding, iron sheets, reinforcing bars and other material which exceeds 2 metres in length shall be carried completely below head height near "live" high-voltage equipment. For maximum safety such material should be carried by two or more persons so as to maintain it as nearly as possible in a horizontal position. The utmost care must be taken to ensure that no part of the material comes within 3 metres of any "live" high-voltage equipment.
- 31.2 Long lengths of wire or cable shall never be run out in conditions where a part of a wire or cable can come within 3 metres of any "live" high-voltage equipment unless the Electrical Officer (Contracts) has been advised and has approved appropriate safety precautions.
- 31.3 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.

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

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

(i) If the distance between the point at which the pole is to be erected or removed and the nearest "live" high-voltage equipment is more than the length of the pole plus 3 metres, the work shall be supervised by the Responsible Representative.

(ii) If the distance described in (i) is less than the length of the pole plus 3 metres, the Electrical Officer (Contracts) shall be consulted to arrange for an Authorised Person to supervise the work and to ensure that the pole is earthed where possible. The pole shall be kept in contact with the point of erection, and adequate precautions shall be taken to prevent contact with "live" high-voltage equipment.

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

32.3 The provisions of clauses 33.1 and 33.2 shall also apply to the erection or removal of columns, antennae, trees, posts, etc.

33.0 USE OF WATER

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

34.0 USE OF CONSTRUCTION PLANT

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

34.2 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.

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

34.4 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.

34.5 Clauses 35.1 to 35.4 shall apply *mutatis mutandis* to the use of maintenance machines of any nature.

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

35.1 If the Responsible Representative finds that the work cannot be done in safety with the high-voltage electrical equipment "live", he shall consult the Electrical Officer (Contracts) who will decide on the action to be taken.

35.2 If a work 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.

36.0 TRACTION RETURN CIRCUITS IN RAILS

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

36.2 Broken rails with an air gap between the ends, and joints at which fishplates are removed under "broken bond" conditions, are potentially lethal. The rails on either side of an air gap between rail ends on electrified lines shall not be touched simultaneously until rendered safe by the network operator personnel.

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

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

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

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

Such equipment includes:-

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

END

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