

TRANSNET FREIGHT RAIL [TFR]

an Operating Division **TRANSNET SOC LTD**

[Registration Number 1990/000900/30]

REQUEST FOR PROPOSAL (RFP)

VRYHEID DIESEL STORAGE TANK 2 REPAIR.

RFP NUMBER	: SIM23009CIDB/ERAC VYG 42011
ISSUE DATE	: 06 SEPTEMBER 2023
COMPULSORY BRIEFING DATE	: 20 SEPTEMBER 2023
CLOSING DATE	: 04 OCTOBER 2023
CLOSING TIME	: 10H00AM
TENDER VALIDITY PERIOD	: 12 WEEKS FROM CLOSING DATE

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T1.1 TENDER NOTICE AND INVITATION TO TENDER

SECTION 1: NOTICE TO TENDERERS

1. INVITATION TO TENDER

Responses to this Tender [hereinafter referred to as a **Tender**] are requested from persons, companies, close corporations or enterprises [hereinafter referred to as a Tenderer].

DESCRIPTION	VRYHEID DIESEL STORAGE TANK 2 REPAIR.
TENDER DOWNLOADING	This Tender may be downloaded directly from the National Treasury eTender Publication Portal at www.etenders.gov.za and the Transnet website at https://transnetetenders.azurewebsites.net (please use Google Chrome to access Transnet link) FREE OF CHARGE.
COMPULSORY TENDER CLARIFICATION MEETING	<p>A Compulsory Tender Clarification Meeting will be conducted at Vryheid East, Off R69, Locomotive Movement Depot. GPS Latitude S: 27° 47' 10.55" Longitude E: 30° 50' 07.93" on the 20TH OF SEPTEMBER 2023, at 10:00am [10 O'clock] for a period of ± 2 (Two) hours. [Tenderers to provide own transportation and accommodation].</p> <p>The Compulsory Tender Clarification Meeting will start punctually, and information will not be repeated for the benefit of Tenderers arriving late.</p> <p>A Site visit/walk will take place, tenderers are to note:</p> <ul style="list-style-type: none"> Tenderers are required to wear safety shoes, goggles, long sleeve shirts, high visibility vests and hard hats. Tenderers without the recommended PPE will not be allowed on the site walk. Tenderers and their employees, visitors, clients and customers entering Transnet Offices, Depots, Workshops and Stores will have to undergo breathalyser testing. All forms of firearms are prohibited on Transnet properties and premises. The relevant persons attending the meeting must ensure that their identity documents, passports or drivers' licences are on them for inspection at the access control gates. <p>Certificate of Attendance in the form set out in the Returnable Schedule T2.2-01 hereto must be completed and submitted with your Tender as proof of attendance is required for a compulsory site meeting and/or tender briefing.</p> <p>Tenderers are required to bring this Returnable Schedule T2.2-01 to the Compulsory Tender Clarification Meeting to be signed by the Employer's Representative.</p> <p>Tenderers failing to attend the compulsory tender briefing will be disqualified.</p>
CLOSING DATE	<p>10:00am on (2023/10/04)</p> <p>Tenderers must ensure that tenders are uploaded timeously onto the system. If a tender is late, it will not be accepted for consideration.</p>

2. TENDER SUBMISSION

Transnet has implemented a new electronic tender submission system, the e-Tender Submission Portal, in line with the overall Transnet digitalization strategy where suppliers can view advertised tenders, register their information, log their intent to respond to bids and upload their bid proposals/responses on to the system.

a) The Transnet e-Tender Submission Portal can be accessed as follows:

Log on to the Transnet eTenders management platform website (<https://transnetetenders.azurewebsites.net>);

- Click on "ADVERTISED TENDERS" to view advertised tenders;
- Click on "SIGN IN/REGISTER – for bidder to register their information (must fill in all mandatory information);
- Click on "SIGN IN/REGISTER" - to sign in if already registered;
- Toggle (click to switch) the "Log an Intent" button to submit a bid;
- Submit bid documents by uploading them into the system against each tender selected.
- **Tenderers are required to ensure that electronic bid submissions are done at least a day before the closing date to prevent issues which they may encounter due to their internet speed, bandwidth or the size of the number of uploads they are submitting. Transnet will not be held liable for any challenges experienced by bidders as a result of the technical challenges. Please do not wait for the last hour to submit. A Tenderer can upload 30mb per upload and multiple uploads are permitted.**

b) The tender offers to this tender will be opened as soon as possible after the closing date and time. Transnet shall not, at the opening of tenders, disclose to any other company any confidential details pertaining to the Tender Offers / information received, i.e. pricing, delivery, etc. The names and locations of the Tenderers will be divulged to other Tenderers upon request.

c) Submissions must not contain documents relating to any Tender other than that shown on the submission.

3. CONFIDENTIALITY

All information related to this RFP is to be treated with strict confidentiality. In this regard Tenderers are required to certify that they have acquainted themselves with the Non-Disclosure Agreement. All information related to a subsequent contract, both during and after completion thereof, will be treated with strict confidence. Should the need however arise to divulge any information gleaned from provision of the Works, which is either directly or indirectly related to Transnet's business, written approval to divulge such information must be obtained from Transnet.

4. DISCLAIMERS

Tenderers are hereby advised that Transnet is not committed to any course of action as a result of its issuance of this Tender and/or its receipt of a tender offer. In particular, please note that Transnet reserves the right to:

- 4.1. Award the business to the highest scoring Tenderer/s unless objective criteria justify the award to another tenderer.
- 4.2. Not necessarily accept the lowest priced tender or an alternative Tender;
- 4.3. Go to the open market if the quoted rates (for award of work) are deemed unreasonable;
- 4.4. Should the Tenderers be awarded business on strength of information furnished by the Tenderer, which after conclusion of the contract is proved to have been incorrect, Transnet reserves the right to terminate the contract;
- 4.5. Request audited financial statements or other documentation for the purposes of a due diligence exercise;
- 4.6. Not accept any changes or purported changes by the Tenderer to the tender rates after the closing date;
- 4.7. Verify any information supplied by a Tenderer by submitting a tender, the Tenderer/s hereby irrevocably grant the necessary consent to the Transnet to do so;
- 4.8. Conduct the evaluation process in parallel. The evaluation of Tenderers at any given stage must therefore not be interpreted to mean that Tenderers have necessarily passed any previous stage(s);
- 4.9. Unless otherwise expressly stated, each tender lodged in response to the invitation to tender shall be deemed to be an offer by the Tenderer. The Employer has the right in its sole and unfettered discretion not to accept any offer.
- 4.10. Not be held liable if tenderers do not provide the correct contact details during the clarification session and do not receive the latest information regarding this RFP with the possible consequence of being disadvantaged or disqualified as a result thereof.
- 4.11. Transnet reserves the right to exclude any Tenderers from the tender 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, as amended. Tenderers are required to indicate in tender returnable [T2.2-22], [**Breach of Law**] whether or not they have been found guilty of a serious breach of law during the past 5 [five] years.
- 4.12. Transnet reserves the right to perform a risk analysis on the preferred tenderer to ascertain if any of the following might present an unacceptable commercial risk to the employer:
 - *unduly high or unduly low tendered rates or amounts in the tender offer;*

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- *contract data of contract provided by the tenderer; or*
 - *the contents of the tender returnables which are to be included in the contract.*

5. Transnet will not reimburse any Tenderer for any preparatory costs or other work performed in connection with this Tender, whether or not the Tenderer is awarded a contract.

6. NATIONAL TREASURY'S CENTRAL SUPPLIER DATABASE

Tenderer are required to self-register on National Treasury's Central Supplier Database (CSD) which has been established to centrally administer supplier information for all organs of state and facilitate the verification of certain key supplier information. The CSD can be accessed at <https://secure.csd.gov.za/>. Tenderer are required to provide the following to Transnet in order to enable it to verify information on the CSD:

Supplier Number..... and Unique registration reference number.....(Tender Data)

**Transnet urges its clients, suppliers and the general public
to report any fraud or corruption to
TIP-OFFS ANONYMOUS: 0800 003 056 OR Transnet@tip-offs.com**

T1.2 TENDER DATA

The conditions of tender are the Standard Conditions of Tender as contained in Annex C of the CIDB Standard for Uniformity in Engineering and Construction Works Contracts. The Standard for Uniformity in Construction Procurement was first published in Board Notice 62 of 2004 in Government Gazette No 26427 of 9 June 2004. It was subsequently amended in Board Notice 67 of 2005 in Government Gazette No 28127 of 14 October 2005, Board Notice 93 of 2006 in Government Gazette No 29138 of 18 August 2006, Board Notice No 9 of 2008 in Government Gazette No 31823 of 30 January 2009, Board Notice 86 of 2010 in Government Gazette No 33239 of 28 May 2010, Board Notice 136 of 2015 in Government Gazette 38960 of 10 July 2015 and Board Notice 423 of 2019 in Government Gazette No 42622 of 8 August 2019.

This edition incorporates the amendments made in Board Notice 423 of 2019 in Government Gazette 42622 of 8 August 2019. (see www.cidb.org.za).

The Standard Conditions of Tender make several references to Tender data for detail that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the Standard Conditions of Tender.

Each item of data given below is cross-referenced in the left-hand column to the clause in the Standard Conditions of Tender to which it mainly applies.

Clause	Data
C.1.1	The <i>Employer</i> is Transnet SOC Ltd (Reg No. 1990/000900/30)
C.1.2	The tender documents issued by the <i>Employer</i> comprise: Part T: The Tender Part T1: Tendering procedures Part T2 : Returnable documents Part C: The contract Part C1: Agreements and contract data Part C2: Pricing data
	T1.1 Tender notice and invitation to tender T1.2 Tender data T2.1 List of returnable documents T2.2 Returnable schedules C1.1 Form of offer and acceptance C1.2 Contract data (Part 1 & 2) C1.3 Form of Securities C2.1 Pricing instructions C2.2 Price List

	Part C3: Scope of work	C3.1 Service Information
	Part C4: Affected Property	C4.1 Affected Property
C.1.4	The Employer's agent is:	Procurement Officer
	Name:	Samukelisiwe Mhlanga
	Address:	15 Girton Road, Inyanda House 2, Parktown
	Tel No.	011 584 1071
	E – mail	Samukelisiwe.Mhlanga2@transnet.net
C.2.1	Only those tenderers who satisfy the following eligibility criteria are eligible to submit tenders:	
	<p>1. Stage One - Eligibility with regards to attendance at the compulsory clarification meeting:</p> <p>An authorised representative of the tendering entity or a representative of a tendering entity that intends to form a Joint Venture (JV) must attend the compulsory clarification meeting in terms C2.7</p> <p><i>Any tenderer that fails to meet the stipulated eligibility criteria will be regarded as an unacceptable tender.</i></p>	
	<p>2. Stage Two - Eligibility in terms of the Construction Industry Development Board:</p> <p>a) Only those tenderers who are registered with the CIDB, or are capable of being so prior to the evaluation of submissions, in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations, designation of 2SD or 2ME or higher class of construction work, are eligible to have their tenders evaluated.</p> <p>b) Joint Venture (JV)</p> <p>Joint ventures are eligible to submit tenders subject to the following:</p> <ol style="list-style-type: none"> every member of the joint venture is registered with the CIDB; the lead partner has a contractor grading designation of not lower than one level below the required class of construction works under consideration and possesses the required recognition status (Not Applicable). the combined Contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a Contractor grading designation determined in accordance with the sum tendered for a 2SD or 2ME or higher class of construction work or a value 	

- determined in accordance with Regulation 25(1B) or 25(7A) of the Construction Industry Development Regulations
4. The tenderer shall provide a certified copy of its signed joint venture agreement.

3. Stage Three - Functionality:

Only those tenderers who obtain the minimum qualifying score for functionality will be evaluated further in terms of price and the applicable preference point system. The minimum qualifying for score for functionality is 70 points.

The evaluation criteria for measuring functionality and the points for each criteria and, if any, each sub-criterion are as stated in C.3.11.3 below.

Any tenderer that fails to meet the stipulated eligibility criteria will be regarded as an unacceptable tender.

- C.2.7 The arrangements for a compulsory clarification meeting are as stated in the Tender Notice and Invitation to Tender. **Tenderers must complete and sign the attendance register.** Addenda will be issued to and tenders will only be received from those tendering entities including those entities that intends forming a joint venture appearing on the attendance register.

Tenderers are also **required to bring their RFP document to the briefing session and have their returnable document T2.2-01 certificate of attendance** signed off by the Employer's authorised representative.

- C.2.12 No alternative tender offers will be considered.

- C.2.13.3 Each tender offer shall be in the **English Language**.

- C.2.13.5 The *Employer's* details and identification details that are to be shown on each tender offer package are as follows:

- | | |
|-------------------------|---|
| Identification details: | <p>The tender documents must be uploaded with:</p> <ul style="list-style-type: none"> ▪ Name of Tenderer: (insert company name) ▪ Contact person and details: (insert details) ▪ The Tender Number: SIM23009CIDB/ERAC VYG 42011 ▪ The Tender Description: VRYHEID DIESEL STORAGE TANK 2 REPAIR. |
|-------------------------|---|

Documents must be marked for the attention of:
Employer's Agent: Samukelisiwe Mhlanga

- C.2.13.9 Telephonic, telegraphic, facsimile or e-mailed tender offers will not be accepted.

- C.2.15 The closing time for submission of tender offers is:

Time: **10:00am** on the **04 October 2023**

Location: The Transnet e-Tender Submission Portal:

(<https://transnetetenders.azurewebsites.net>);

NO LATE TENDERS WILL BE ACCEPTED

C.2.16 The tender offer validity period is **12 weeks** after the closing date. Tenderers are to note that they may be requested to extend the validity period of their tender, on the same terms and conditions, if Transnet's internal evaluation and governance approval processes has not been finalised within the validity period.

C.2.23 The tenderer is required to submit with his tender:

1. A valid Tax Clearance Certificate issued by the South African Revenue Services.
Tenderers also to provide Transnet with a TCS PIN to verify Tenderers compliance status.
2. A **valid B-BBEE Certificate** from a Verification Agency accredited by the South African Accreditation System [**SANAS**], or a **sworn affidavit** confirming annual turnover and level of black ownership, in line with the code of good practice, together with the tender;
3. A valid CIDB certificate in the correct designated grading;
4. Proof of registration on the Central Supplier Database;
5. Letter of Good Standing with the Workmen's compensation fund by the tendering entity or separate Letters of Good Standing from all members of a newly constituted JV.

Note: Refer to Section T2.1 for List of Returnable Documents

C3.11 The minimum number of evaluation points for functionality is: **70**

The procedure for the evaluation of responsive tenders is Functionality, Price and Preference:

Only those tenderers who attain the minimum number of evaluation points for Functionality will be eligible for further evaluation, failure to meet the minimum threshold will result in the tender being disqualified and removed from any further consideration.

Functionality Criteria

The functionality criteria and maximum score in respect of each of the criteria are as follows:

(Please see CIDB Compiler guidance note T1.2 – Tender Data).

Functionality criteria	Sub-criteria	Sub-Criteria Point allocation	Maximum number of points
T2.2-03 Method Statement	No method statement/work plan provided. The tenderer has submitted no information or inadequate information to determine a score.	0 (0)	40
	The technical approach and/ or methodology are poor and are unlikely to satisfy project objectives and requirements. The bidder has misunderstood aspects of the scope of work and does not deal with the critical aspects of the projects. The contractor did not understand or include certain aspects of the scope and submitted (1-2) criteria's as per the project requirements.	6 (40)	
	The approach is generic and not tailored to address the project objectives and requirements. The approach does not adequately deal with the critical characteristics of the project. The approach only covered (3-4) criteria's and approach is generic and not tailored to cover all project objectives.	9 (70)	
	The approach is specifically tailed to address the project objectives and requirements. The method statement addresses all key activities, but not in detail. The approach is sufficient and flexible to accommodate changes that may occur during execution and has covered at least (5 -6) of the above requirements.	11 (90)	
	Good method statement provided which shows innovation and efficiency. All the important activities are indicated in the activity schedule and their timing and sequencing is appropriate and consistent with project objectives and requirements. There is a fair degree of detail that facilitates understanding of the proposed	14 (100)	

	work plan. All the specified items (7) have been covered in detail on the methodology.		
T2.2-04 Previous experience	<p>Tenderer has submitted no information</p> <p>1 contactable reference relevant to this RFQ with completion certificates/ written references/POs</p> <p>2 contactable references relevant to this RFQ with completion certificates/ written references/POs</p> <p>3 Contactable references relevant to this RFQ with completion certificates/ written references/POs</p> <p>4 or more Contactable references relevant to this RFQ with completion certificates/ written references/POs</p>	<p>0 (0)</p> <p>6 (40)</p> <p>9 (70)</p> <p>11 (90)</p> <p>14 (100)</p>	40
T2.2-05 Work program	<p>No delivery Period submitted for the Project and (or) > 21 weeks delivery period.</p> <p>Delivery Period >19 ≤20 weeks.</p> <p>Delivery Period >18 ≤19+ weeks.</p> <p>Delivery Period >17 ≤18 weeks</p> <p>Delivery Period <16 weeks.</p>	<p>0 (0)</p> <p>2 (40)</p> <p>4 (70)</p> <p>6 (90)</p> <p>8 (100)</p>	20
Maximum possible score			100

for Functionality		
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Functionality shall be scored independently by not less than 3 (three) evaluators and averaged in accordance with the following schedules:

- T2.2-03 Method Statement
- T2.2-04 Previous experience
- T2.2-05 Work program

Each evaluation criteria will be assessed in terms of scores of 0, 40, 70, 90 or 100

The scores of each of the evaluators will be averaged, weighted and then totalled to obtain the final score for functionality, unless scored collectively. (See CIDB Inform Practice Note #9).

Note: Any tender not complying with the above mentioned requirements, will be regarded as non-responsive and will therefore not be considered for further evaluation. This note must be read in conjunction with Clause C.2.1.

- C.3.11. Only tenders that achieve the minimum qualifying score for functionality will be evaluated further in accordance with the 80/20 preference points systems as described in Transnet Preferential Procurement Policy (TPPP).

80 where the financial value of one or more responsive tenders received have a value equal to or below R50 million, inclusive of all applicable taxes,

Thresholds	Minimum Threshold
Functionality	70

Evaluation Criteria	Final Weighted Scores
Price	80
Specific goals - Scorecard	20
TOTAL SCORE:	100

Up to 100 minus W_1 tender evaluation points will be awarded to tenderers who complete the preferencing schedule and who are found to be eligible for the preference claimed. **Should the evidence required for any of the Specific Goals applicable in this tender not be provided, a tenderer will score zero preference points for that particular "Specific Goal".**

In terms of Transnet Preferential Procurement Policy (TPPP) and Procurement Manuals, the following preference points must be awarded to a bidder who provides the relevant required evidence for claiming points

Selected Specific Goal	Number of points allocated (80/20)
B-BBEE Level of contributor (1 or 2)	10
+50% Black Youth Owned Entities	10
Non-Compliant and/or B-BBEE Level 3-8 contributors	0

The following Table represents the evidence to be submitted for claiming preference points for applicable specific goals in a particular tender:

Specific Goals	Acceptable Evidence
B-BBEE	B-BBEE Certificate / Sworn-Affidavit B-BBEE Certificate of JV, a consolidated scorecard will be accepted DTIC guidelines

30% Black Women Owned Entities	B-BBEE Certificate / Sworn-Affidavit / CIPC B-BBEE Certificate (in case of JV, a consolidate scorecard will be accept) as per DTIC guidelines
At least 50% Black Youth Owned Entities	Certified copy of ID Documents of the Owners and B-BBEE Certificate / Affidavit (in case of JV, a consolidate scorecard will be accept)
Entities Owned by People with Disability (PWD)	Certified copy of ID Documents of the Owners and Doctor's note confirming the disability and/or Employment Equity Act 1(EEA1) form.
Entities/Black People living in rural areas	Entity's Municipal/ESKOM bill or letter from Induna/chief confirming residential address not older than 3 months
South African Enterprises	CIPC Registration Documents
EME or QSE 51% Black Owned	B-BBEE Certificate / Affidavit (in case of JV, a consolidate scorecard will be accept) as per DTIC guidelines
Entities that are 51 % Black Owned	B-BBEE Certificate / Sworn-Affidavit B-BBEE Certificate (in case of JV, a consolidate scorecard will be accept) as per DTIC guidelines
Promoting exports orientated production for Job creation	Returnable section/annexure.....on job creation
Local Content and Local Production	Returnable Local Content and production Annexures
NIPP	NIPP Returnable documents
Creation of new jobs and labour intensification	Returnable section/annexure.....on job creation.
The promotion of supplier development through sub-contracting or JV for a minimum of 30% of the value of a contract to South African Companies which are: I. 30% Black Women, 51% Black Youth and 51% Black People with disabilities II. Entities with a specified minimum B-BBEE level (1 and 2) III. EMEs and/or QSEs who are 51% Black-owned	Sub-contracting agreements and Declaration / Joint Venture Agreement. Certified copy of ID Documents of the Owners and B-BBEE Certificate / Affidavit (in case of JV, a consolidate scorecard will be accept) of the sub-contracted entities.
The promotion of enterprises located in a specific province/region/municipal area for work to be done or services to be rendered in that province/region/municipal area	CIP - Registered address of entity

The maximum points for this bid are allocated as follows:

DISCRIPTION	POINTS
PRICE	80
B-BBEE STATUS LEVEL OF CONTRIBUTION	10
At least 50% Black Youth Owned Entities	10
Total points for Price and Specific Goals must not exceed	100

Note: Transnet reserves the right to carry out an independent audit of the tenderers scorecard components at any stage from the date of close of the tenders until completion of the contract.

C.3.13 Tender offers will only be accepted if:

1. The tenderer or any of its directors/shareholders is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector;
2. the tenderer does not appear on Transnet's list for restricted tenderers and National Treasury's list of Tender Defaulters;
3. the tenderer has fully and properly completed the Compulsory Enterprise Questionnaire and there are no conflicts of interest which may impact on the tenderer's ability to perform the contract in the best interests of the Employer or potentially compromise the tender process and persons in the employ of the state.
4. Transnet reserves the right to award the tender to the tenderer who scores the highest number of points overall, unless there are **objective criteria** which will justify the award of the tender to another tenderer. Objective criteria include but are not limited to the outcome of a due diligence exercise to be conducted. The due diligence exercise may take the following factors into account inter alia; the tenderer:
 - a) is not under restrictions, or has principals who are under restrictions, preventing participating in the employer's procurement,
 - b) is not undergoing a process of being restricted by Transnet or other state institution that Transnet may be aware of,
 - c) can, as necessary and in relation to the proposed contract, demonstrate that he or she possesses the professional and technical qualifications,

professional and technical competence, financial resources, equipment and other physical facilities, managerial capability, reliability, experience and reputation, expertise and the personnel, to perform the contract,

- d) has the legal capacity to enter into the contract,
- e) is not insolvent, in receivership, under Business Rescue as provided for in chapter 6 of the Companies Act, 2008, bankrupt or being wound up, has his affairs administered by a court or a judicial officer, has suspended his business activities, or is subject to legal proceedings in respect of any of the foregoing,
- f) complies with the legal requirements, if any, stated in the tender data and
- g) is able, in the option of the employer to perform the contract free of conflicts of interest.

C.3.17 The number of paper copies of the signed contract to be provided by the Employer is 1 (one).

T2.1 List of Returnable Documents

2.1.1 These schedules are required for eligibility purposes:

T2.2-01 **Stage One as per CIDB: Eligibility Criteria Schedule** - - Certificate of attendance at Compulsory Tender Clarification Meeting

T2.2-02 **Stage Two as per CIDB: Eligibility Criteria Schedule** - CIDB Registration

2.1.2 Stage Three as per CIDB: these schedules will be utilised for evaluation purposes:

T2.2-03 **Evaluation Schedule:** Method Statement

T2.2-04 **Evaluation Schedule:** Previous experience

T2.2-05 **Evaluation Schedule:** Work program

2.1.3 Returnable Schedules:

General:

T2.2-06 Assessment Schedule: Enterprise Risk and Business

T2.2-07 Assessment Schedule - Health and Safety Requirements

T2.2-08 Assessment Schedule: Environmental Management Plan

T2.2-09 Changes to Tender Document

T2.2-10 Availability of Equipment and Other Resources

T2.2-11 Authority to submit tender

T2.2-12 Record of addenda to tender documents

T2.1-13 Letter of Good Standing

T2.2-14 Schedule of proposed Subcontractors

Agreement and Commitment by Tenderer:

T2.2-15: CIDB SFU ANNEX G Compulsory Enterprise Questionnaire

Valid proof of Respondent's compliance to Specific Goals evidence (Preference Claim Form) requirements stipulated in SBD6.1.

T2.2-16 Supplier Code of Conduct

T2.2-17 Non-Disclosure Agreement

T2.2-18 Supplier declaration form

T2.2-19 RFP Declaration Form

T2.2-20 Certificate of Acquaintance with Tender Document

T2.2-21 Service Provider Integrity Pact

T2.2-22 RFP – Breach of Law

1.3.2 Bonds/Guarantees/Financial/Insurance:

T2.2-23 Insurance provided by the Contractor

2.2 C1.1 Offer portion of Form of Offer & Acceptance

2.3 C1.2 Part Two (Data by Contractor)

2.4 C2.2 Price List

Part T2.2: Returnable Schedules

T2.2-01: Eligibility Criteria Schedule:

Certificate of Attendance at Tender Clarification Meeting

This is to certify that

(Company Name)

Represented
by:

(Name and
Surname)

Was represented at the compulsory tender clarification meeting

Held at:		
On (date)		Starting time:

Particulars of person(s) attending the meeting:

Name

Signature

Capacity

Attendance of the above company at the meeting was confirmed:

Name

Signature

**For and on Behalf of the
Employers Agent.**

Date

T2.2-02: Eligibility Criteria Schedule - CIDB Grading Designation

Note to tenderers:

Tenderers are to indicate their CIDB Grading by filling in the table below. **Attach a copy of the CIDB Grading Designation or evidence of being capable of being so registered.**

CRS Number	Status	Grading	Expiry Date

1. Only those tenderers who are registered with the CIDB or are capable of being so prior to the evaluation of submissions, in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations, for a **2SD** or **2ME** or higher class of construction work, are eligible to have their tenders evaluated.

2. Joint Venture (JV)

Joint ventures are eligible to submit tenders subject to the following:

- every member of the joint venture is registered with the CIDB;
- the lead partner has a contractor grading designation of not lower than one level below the required grading designation in the class of construction works under consideration and possesses the required recognition status (Not Applicable).
- combined Contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a Contractor grading designation determined in accordance with the sum tendered for a **2SD** or **2ME** or higher class of construction work or a value determined in accordance with Regulation 25(1B) or 25(7A) of the Construction Industry Development Regulations
- The tenderer shall provide a certified copy of its signed joint venture agreement

T2.2-03: Evaluation Schedule: Method Statement

Note to tenderers:

Index of documentation attached to this schedule

Reference to attached submissions to this schedule:

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The scoring of the Method Statement will be as follows:

Score	Method Statement (40)
0	No method statement/work plan provided. The tenderer has submitted no information or inadequate information to determine a score.
40	The technical approach and/ or methodology are poor and are unlikely to satisfy project objectives and requirements. The bidder has misunderstood aspects of the scope of work and does not deal with the critical aspects of the projects. The contractor did not understand or include certain aspects of the scope and submitted (1-2) criteria's as per the project requirements.
70	The approach is generic and not tailored to address the project objectives and requirements. The approach does not adequately deal with the critical characteristics of the project. The approach only covered (3-4) criteria's and approach is generic and not tailored to cover all project objectives.
90	The approach is specifically tailored to address the project objectives and requirements. The method statement addresses all key activities, but not in detail. The approach is sufficient and flexible to accommodate changes that may occur during execution and has covered at least (5 -6) of the above requirements.
100	Good method statement provided which shows innovation and efficiency. All the important activities are indicated in the activity schedule and their timing and sequencing is appropriate and consistent with project objectives and requirements. There is a fair degree of detail that facilitates understanding of the proposed work plan. All the specified items (7) have been covered in detail on the methodology.

He/she undersigned, who warrants that he/she is duly authorised to do so on behalf of the Tenderer, confirms that the contents of this schedule are within my personal knowledge and are to the best of my belief both true and correct.

Signed	_____	Date	_____
Name	_____	Position	_____
Tenderer	_____		

T2.2-04: Evaluation Schedule: Previous Experience

Note to tenderers:

Tenderers are required to demonstrate performance in comparable projects of similar size and nature by supplying the following:

A list of past / current comparable projects.

Score	Previous experience (40)
0	Tenderer has submitted no information
40	1 contactable reference relevant to this RFQ with completion certificates/ written references/POs
70	2 contactable references relevant to this RFQ with completion certificates/ written references/POs
90	3 Contactable references relevant to this RFQ with completion certificates/ written references/POs
100	4 or more Contactable references relevant to this RFQ with completion certificates/ written references/POs

Signed _____ Date _____

Name _____ Position _____

Tenderer _____

T2.2-05: Evaluation Schedule: Work program

Note to tenderers:

The table below will be used as guidelines for scoring / evaluating the Work Program submitted by the Tenderer:

Score	Work program (20)
0	No delivery Period submitted for the Project and (or) > 21 weeks delivery period.
40	Delivery Period >19 ≤20 weeks.
70	Delivery Period >18 ≤19+ weeks.
90	Delivery Period >17 ≤18 weeks
100	Delivery Period <16 weeks.

He/she undersigned, who warrants that he/she is duly authorised to do so on behalf of the Tenderer, confirms that the contents of this schedule are within my personal knowledge and are to the best of my belief both true and correct.

Signed _____ Date _____

Name _____ Position _____

Tenderer _____

T2.2-06: Assessment Schedule: Enterprise Risk and Business

Continuity Management Requirements (Due Diligence)

Tenderers to identify and evaluate the potential risk elements associated with the service and possible mitigation thereof. The risk elements and the mitigation as identified thereof by the Tenderer are to be submitted.

If No Risks are identified "No Risks" must be stated on this schedule.

Tenderers are also to evaluate any risk/s stated by the Employer in Contract Data Part C1 and provide possible mitigation thereof.

Signed

Date

Name

Position

Tenderer

The Due Diligence of the Tenderer's Risk Elements will be as follows:

1. Due Diligence Elements: Risk Management and Business Continuity Management		
Tender Number: SIM23009CIDB/ERAC VYG 42011		
Tender Description: Vryheid Diesel Storage Tank 2 Repair		
1.1. Business Impact Analysis	Assessment Criteria	Bidder
<p>The following elements of the Business Impact Analysis will be assessed:</p> <p>1.1.1. Identification of critical processes within the project / service: (a) Demonstrate that the critical activities and/ or processes are identified. These are activities and/ or processes if disrupted prevent project completion / service delivery.</p> <p>1.1.2. Recovery Time Objective (RTO) in case of any interruption that may arise: (a) Detail for each of the above critical activities and/ or processes what is the determined acceptable recovery time objective for re-instatement of the activity/ process (consider all applicable SLA or regulatory requirements).</p> <p>1.1.3. Recovery Strategy: How will the service provider/ supplier recover. (a) Detail the step-by-step process as to how the critical activities and/ or processes will be recovered? (b) In which order? Whom is to undertake the recovery etc.</p> <p>1.1.4. Operational dependencies: (a) List applicable internal and external dependencies for the recovery of the listed critical activities and/ or processes e.g.: Operational equipment, telephones etc. needed to ensure continuity.</p> <p>1.1.5. Alternative supply of equipment and/ or supply of extra staff: (a) Provide adequate information on how alternate equipment or additional experienced staff will be secured if a BCM incident negatively impacting these resources as originally allocated for completion of a project/ delivery of a service.</p> <p>1.1.6. Battle Box: The battle box may amongst other things include a physical collection or an electronic repository of recovery plans, work instructions, manual documented processes, standard</p>		
		<p>All elements for the BIA are required.</p> <p>All elements will be assessed as per the guide provided, for adequacy and relevance to the project / service offering etc. and a due diligence report provided.</p>

<p>operating procedures, templates, letterheads etc. required for continuity of business critical systems. In some instance this can also include off-site stores of certain equipment or electronic devices etc.</p> <p>(a) Detail the contents of a battle box for continuation of the critical activities and/ or processes after a disruptive event.</p>		
1.2. Business Continuity Plan	Assessment Criteria	
<p>The following elements of Business Continuity Management and the BCP will be assessed:</p> <p>1.2.1. Emergency operating procedure: (a) Detail the steps to be followed, after an emergency incident on the site/ location of impact, is experienced.</p> <p>1.2.2. Business Continuity Invocation Action: Once the incident is under control and its impact determined and assessed. (a) Detail the process on when, how and by Whom, the BCP will be invoked.</p> <p>1.2.3. Project Recovery Resources: These are additional resources or the re-arrangements of existing resources, required to support the recovery of critical activities and/ or processes as per the BCP, within the RTO. (a) Identify and list the recovery resources</p> <p>1.2.4. Business / Supplier Contact List: Internal / external service providers, etc. on whom a reliance for operational continuity is required. (a) Provide a list of the identified business / supplier contact list.</p> <p>1.2.5. Emergency Contacts (BCP): Aligned to the BCP invocation process (1.2.2) (a) Include a list of BCM recovery team members, their names and contact details, i.e. the BCM Common Data.</p>	<p>All elements for the BCP are required.</p> <p>All relevant will be assessed as per the guide provided, for adequacy and relevance to the project / service offering etc. and a due diligence report provided</p>	
1.3. Risk Management Plan - Project/ Operational Risks be based on the scope of works / services etc.	Assessment Criteria	

<p>The following elements of Risk Management will be assessed:</p> <p>1.3.1. Identification of Risks of Service Interruption during the project: The provided risk register: (a) Name the identified risks to service interruption and / or non delivery of services etc. during the project. (b) List/ align the causes giving raise to the risks and</p> <p>1.3.2. Risk Analysis Methodology: How is the identified risks analysed and rated: (a) Provide risk consequence/ impact and risk likelihood/ probability rating table/ categories. (b) Clearly show how the risk rating/ score is calculated (e.g. Impact x Likelihood = Risk Rating/ Score), for plotting of risk from High to Low, and/or similar.</p> <p>1.3.3. Ranking of the Risks: (a) Provide a listing of the risks by its name from Highest to Lowest ranked risks.</p> <p>1.3.4. Mitigation of the identified risks: In the risk register: (c) List/ align the risk controls inplace to manage the identified risks. (d) If applicable, additional risk tasks over controls already in place, to further mitigate the risk be provided.</p> <p>1.3.5. Responsible person: In the risk register: (a) Risks be assigned to named, risk owners and named owners for controls or any additional risk task</p>	<p>All elements for the Risk Assessment are required.</p> <p>All elements will be assessed as per the guide provided, for adequacy and relevance to the project / service offering etc. and a due diligence report provided.</p>	
<p>Due Diligence</p>		
<p>1. Be fair and objective in your due diligence process. 2. Complete the due diligence in full and provide comments to support findings/ areas of improvement where necessary. 3. The document should be completed in a neat and tidy manner due to the fact that it will become an official document. 4. Be transparent and share your observations with the company representative (applicable where site visit was conducted to verify information supplied) and assessment team. 5. No copies of the completed due diligence document must be provided to the company representative. 6. On completion of the due diligence the results to be discussed with the contractor via SCM. 7. After the tender award the tenderers representative may be advised of their shortcomings in terms of their SHE submission.</p>		
<p>Name of Evaluator</p>		
<p>Signature</p>		
<p>Date</p>		

TRANSNET FREIGHT RAIL SAFETY HEALTH AND ENVIRONMENTAL COMPLIANCE (SHE) SPECIFICATIONS FOR CONTRACTORS

CONTRACT NAME:	Repair of aboveground diesel storage tank 2.	
CONTRACT NUMBER:		
CONTRACT SCOPE:	<p>Contractor to provide own electricity and water for the duration of the project.</p> <p>External - Nozzles and Attachments</p> <ul style="list-style-type: none"> Insert tell-tale hole on manway reinforcing pad. <p>Insulation /coating</p> <ul style="list-style-type: none"> Mechanically remove the existing isolated areas of concern, supply, and coat, clean, primer and re-coat. <p>Shell External and attachments</p> <ul style="list-style-type: none"> Supply and reinstate suitable corrosion protection on the tank shell. Supply and install the name plate on the tank and davit arm on shell manway. Supply and Clean, repair/replace and re-coat isolated areas of corrosion on the cat ladder. Perform floor bottom settlements' and out of plumb. <p>Shell Internal and attachments</p> <ul style="list-style-type: none"> Supply and reinstate suitable corrosion protection up to the first strake. <p>Floor internal</p> <ul style="list-style-type: none"> Supply and mechanically clean, prime and apply corrosion protection coating with at least 10 years warranty. Supply and install rounded corner repair plates on areas with above 50% material loss and Supply and apply coating on material loss below 50% includes the repaired areas. Supply and Address areas with pitting, mechanical dents, damages, indentation, and bulges. <p>Roof External and attachments:</p> <ul style="list-style-type: none"> Supply and Clean, repair and re-coat the roof handrails showing corrosion, severe corrosion on roof nozzles bolt holes, and localized corrosion on roof plate. Supply and Install hinges on roof manhole cover. <p>Commissioning</p> <ul style="list-style-type: none"> Perform API post-inspection and provide report issued by Approved API Inspector. Box, test, and commission the tank. 	
CONTRACT LOCATION:	Vryheid Depot in Abaqulusi Municipality.	
CONTRACT DURATION:	4 months.	
CONTRACT MANAGER:	Cherise Govender	
TECHNICAL OFFICER:		
SHE SPECIFICATION APPROVAL		
TITLE:	NAME:	SIGNATURE:
TFR CONTRACT MANAGER / PROJECT MANAGER / TFR AGENT	Cherise Govender	<p>.....</p> <p>.....</p> <p>DATE:</p>

RISK / ENVIRONMENTAL SPECIALIST	Ramatsobane Lekwane DATE:
SAFETY SPECIALIST / MANAGER	Mabalele Mathe DATE:

1. Introduction

- 1.1 This Safety, Health and Environmental (SHE) specification is Transnet Freight Rail (TFR) minimum requirements to be met by contractors when performing work for or on behalf of TFR. They set out the requirements to be followed by the Contractor and other contractors so that the health and safety of all person's potentially at risk may receive the same priority as other facets of the contract.
- 1.2 The Contractor shall **develop a SHE plan and prepare a SHE file** based on these requirements, risk assessment as well as all the relevant applicable legislation. The contractor shall remain accountable for the quality and execution of his health and safety programme for his employees and sub-contractor employees. This specification in no way releases the contractors from compliance with the relevant legislation.

2 Purpose

- 2.1 The purpose of this specification is to ensure that the Contractor provides and maintains, as far as reasonably practicable a safe working environment for all employees and the public whilst performing work for or on behalf of TFR.
- 2.2 This specification form an integral part of the contract, and the Contractor shall forward this specification to all subcontractors at the bidding stage so that they can in turn prepare health and safety plans relating to their operations.

3 Scope and Application

- 3.1 This specification is applicable to all contractors, suppliers and all activities and processes carried out for or on behalf of Transnet Freight Rail. The Specification defines the strategies to manage Health and Safety and is a compliance document drawn up in terms of the Occupational Health and Safety Act 85 of 1993, Asbestos Regulations 2003 and Transnet Contractor Management Procedure requirements as applicable.
- 3.2 This specification shall also apply to any subcontractors as employers in their own right. The Contractor shall furnish the TFR Contract Manager/Technical Officer with full particulars of such subcontractors and shall ensure that they comply with the OHS Act and Regulations and Transnet's safety requirements and procedures.
- 3.3 Every effort has been made to ensure that this specification document is accurate and adequate in all respects. Should it, however, contain any errors or omissions they may not be considered as grounds for claims under the contract for additional reimbursement or extension of time, or relieve the Contractor from his responsibilities and accountability

in respect of the contract to which this specification document pertains.
Any such inaccuracies, inconsistencies and/or inadequacies must immediately be brought to the attention of the TFR Contract Manager/Technical Officer or Client Agent.

4 General

- 4.1 The Contractor and Transnet Freight Rail 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 (herein referred as the OHS Act) and applicable Regulations.
- 4.2 The Contractor accepts, in terms of the General Conditions of Contract and in terms of the OHS 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. The Contractor shall, before commencement with the execution of the contract work, comply with the provisions set out in the OHS Act, Asbestos Regulations 2002 and shall implement and maintain a SHE Plan approved by Transnet Freight Rail, on the Site and place of work for the duration of the contract.
- 4.3 The Contractor accepts his obligation to complying with the OHS Act and applicable Regulations notwithstanding the omission of some of the provisions of the OHS Act and the Regulations from this document.
- 4.4 Transnet Freight Rail accepts, in terms of the OHS 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 TFR Contract Manager/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
- 4.5 In the event of any discrepancies between any legislation and this specification, the applicable legislation will take precedence.

5. Section 37(2) Agreements

- 5.1 Transnet Freight Rail and the Contractor shall enter into an agreement in terms of section 37(2) of the Occupational Health and Safety Act to the arrangements and procedures between them to ensure compliance by the Contractor with the provisions of the OHS Act.
- 5.2 The agreement shall be completed and signed by the Contractor mandated representative as soon as possible and returned to the relevant TFR Project Manager / TFR Contract Manager for his/her signature on behalf of TFR.
- 5.3 The Contractor shall enter into a Section 37(2) Agreement with their respective sub-contractors. Signed copy of such agreement must be kept on the Contractor's SHE file.

6. Definitions

6.1 In this Specification the definitions as listed in the Occupational Health and Safety Act 85 of 1993, Construction Regulations, 2014, Regulations, 2002 and Transnet Contractor Management Procedure shall apply, unless the context otherwise indicates: -

6.1.1 **"Competent person"** means a person who—

- a) has in respect of the work or task to be performed the required knowledge, training, and experience and, where applicable, qualifications, specific to that work or task: Provided that where appropriate qualifications and training are registered in terms of the provisions of the National Qualification Framework Act, 2000 (Act No.67 of 2000), those qualifications and that training must be regarded as the required qualifications and training; and
- b) is familiar with the Act and with the applicable regulations made under the Act.

6.1.2 **"Contractor"** means an employer (organisation) or a person who performs ANY work and has entered into a legal binding business agreement contract to supply a product or provide services to Transnet. This applies to the Suppliers, Vendors, Consultants, Service Providers or Contractors. NB: A contractor is an employer in his/her own right (Principal Contractor and subcontractor).

6.1.3 **"Construction work"**, which, in terms of the Construction Regulations, 2014 means any work in connection with: -

- a) the construction, erection, alteration, renovation, repair, demolition or dismantling of or addition to a building or any similar structure; or
- b) the construction, erection maintenance, demolition or dismantling of any bridge, dam, canal, road, railway, runway, sewer or water reticulation system or the moving of earth, clearing of land, the making of an excavation, piling or any similar civil engineering structure; or any similar type of work.

6.1.4 **"Demolition work"** includes demolition, alteration, stripping, removing, repair, gleaning of any spilt asbestos, or high-pressure water jetting of any structure containing asbestos lagging or insulation, but does not include work performed on asbestos cement sheeting and related products and asbestos cement products that form part of the structure of a workplace, building, plant, or premises.

6.1.5 **"Excavation work"** means the making of any man-made cavity, trench, pit, or depression formed by cutting, digging, or scooping

6.1.6 **"Fall protection plan"** means a documented plan, which includes and provides for-

- a) all risks relating to working from a fall risk position, considering the nature of work undertaken.
 - b) the procedures and methods to be applied in order to eliminate the risk of falling;
- and

c) a rescue plan and procedures

6.1.7 **"Fall risk"** means any potential exposure to falling either from, of or into

6.1.8 **"Hazardous chemical agent or HCA"** means a GHS-aligned chemical agent as provided for in Annexure 1 of the occupational health and safety act 1993.

6.1.9 **"Health and safety (SHE) plan"** means a site, activity, or contract specific documented plan in accordance with the client's health and safety specification.

6.1.10 **"Respiratory protective equipment"** means a device which is worn over at least the mouth and nose to prevent the inhalation of air that is not safe, and which device conforms to a standard approved by the Minister.

6.1.11 **"Risk assessment"** means a programme to determine any risk associated with any hazard at a work site, in order to identify the steps needed to be taken to remove, reduce or control such hazard.

6.1.12 **"Safety data sheet" or "SDS"** means a document that is aligned to the GHS, providing information on hazard classification, properties of hazardous chemicals procedures for handling or working with hazardous chemicals in a safe manner, and the effects of hazardous chemicals on health and safety at the workplace, and that is prepared in accordance with regulation 14A.

6.1.13 **"Safety, Health and Environmental (SHE) File"** means a file or other record in permanent form, containing the information required to be kept on site in accordance with the OHS Act and applicable Regulations.

6.1.14 **"Sensitiser"** means an HCA that causes a substantial proportion of exposed people to develop an allergic reaction in normal tissue after repeated exposure, and includes dermal sensitisers and respiratory sensitisers;

6.1.15 **"TFR"** means Transnet Freight Rail, a division of Transnet SOC Ltd (Registration No. 1990/000900/30), a public company incorporated in accordance with the company laws of the Republic of South Africa

6.1.16 **"TFR Contract Manager"** TFR employee appointed to liaise with the contractor to ensure that the specifications of the contract are met (with special emphasis on safety, technical specifications, inspection of quality and quantity of work). It includes a Maintenance Manager (REM), Technical Manager (REM), Supervisor (REM), Technical Officer.

7. Notification of Construction Work and Asbestos Work

7.1 The Contractor who intends to carry out any construction work other than work where a Construction Work Permit is required, must at least 7 days before carrying out such work, notify the Provincial Director of the Department of Labour in writing if the construction work: -

(a) includes excavation work

- (b) includes working at a height where there is a risk of a person falling.
- (c) includes the demolition of a structure; or
- (d) includes the use of explosives to perform construction work,

7.2 The notification to the Provincial Director shall be on a form similar to Annexure 2 of the Construction Regulations, 2014. The Contractor shall ensure that a copy of the completed notification form is kept on site for inspection by an inspector, TFR Contract Manager/Technical Officer or employee.

7.3 The Contractor shall notify the provincial director in writing prior to the commencement or to carrying out of any asbestos work.

8. Letter of Good standing

8.1 The Contractor shall submit proof of registration and Letter of Good Standing with the compensation fund or with a licensed compensation insurer as contemplated in the Compensation for Occupational Diseases Act, 1993 (Act No. 130 of 1993) for his company and each of his sub-contractors'.

8.2 No contractor may do any work for TFR without a valid letter of good standing. The Contractor must ensure that the Letter of Good Standing remains valid for the duration of the contract period.

8.3 The letter of good standing must reflect the name of the Contractor and/or Sub-contractor, registration number and, expiry date.

9. Management and Supervision

9.1 The Contractor and all subcontractors shall submit a SHE organogram outlining the site SHE management structure including the relevant appointments/competent persons or the intended appointments where such appointments have not been made.

9.2 The Contractor shall, in accordance with the OHS Act and applicable Regulations, make all the necessary appointments of competent persons in writing. Copies should also be retained on the SHE file.

9.3 In case of construction work, additional appointments must be made in terms of the Construction Regulations:

9.3.1 **Construction Manager** appointed fulltime on a single site with the duty of managing all the construction work including the duty of ensuring occupational health and safety compliance. The appointed construction manager may not manage any construction work on or in any construction site other than the site in respect of which he or she has been appointed.

9.3.2 A Contractor must upon having considered the size of the contract, in writing appoint one or more **Assistant Construction Managers** for different sections thereof: Provided that the designation of any such person does not relieve the construction

manager of any personal accountability for failing in his or her management duties in terms of this regulation.

- 9.3.3 A Construction Manager must in writing appoint **Construction Supervisors** responsible for construction activities and ensuring occupational health and safety compliance on the construction site.
- 9.3.4 No Construction Supervisor appointed may supervise any construction work on or in any construction site other than the site in respect of which he or she has been appointed: Provided that if a sufficient number of competent employees have been appropriately designated under on all the relevant construction sites, the appointed construction supervisor may supervise more than one site.
- 9.3.5 A Contractor must, upon having considered the size of the contract, in writing appoint one or more competent employees for different sections thereof to assist the construction supervisor, and every such employee has, to the extent clearly defined by the contractor in the letter of appointment, the same duties as the construction supervisor: Provided that the designation of any such employee does not relieve the construction supervisor of any personal accountability for failing in his or her supervisory duties in terms of this regulation.
- 9.3.6 A Contractor shall in writing appoint a full-time or part-time **Construction Health and Safety Officer** who is registered with the SACPCMP, to assist in the control of all health and safety related aspects on the site.
- 9.3.7 The Construction Safety Officer shall have sound knowledge of the Occupational Health and Safety Act and its regulations, National Environmental Management Act, and associate environmental requirements such as Waste and Water Acts and sound knowledge of Hazard Identification and Risk Management processes
- 9.4 Subcontractors shall also make the above written appointments and the Contractor shall deliver copies thereof to the TFR Contract Manager/Technical Officer.

10. SHE Committee Meetings and SHE Representatives

- 10.1 Where applicable, The Contractor and subcontractors shall appoint SHE Representative/s in writing after consultation with employees and ensure that they are trained in performing their duties.
- 10.2 SHE Representatives duties shall include inspections of the workplace, taking part in incident investigations, risk assessments, attending SHE Committee meetings etc. Records of monthly inspections of SHE Representatives must be kept on the SHE file.
- 10.3 The number of SHE Representatives appointed shall be in accordance with the requirements of the Occupational health and Safety Act 85 of 1993.
- 10.4 When required by legislation, the Contractor must ensure that a SHE Committee meeting is held monthly, and minutes of such meeting shall be recorded, and records kept on the SHE file. The Contractor representative and appointed SHE representatives shall attend the monthly SHE Committee meeting.

10.5 The TFR Contract Manager/Technical Officer or his deputy shall be allowed to attend meetings of the Contractor's health and safety committee as an observer.

10.6 Subcontractors appointed by the Contractor shall have their own internal monthly SHE Committee meeting.

11. SHE Audits and Contractor Monthly Reports

11.1 The TFR Contract Manager/Technical Officer or his deputy shall ensure that the Contractor's SHE Plan is audited at intervals mutually agreed to between them, but at least once every month to ensure that the SHE Plan is implemented and maintained on site.

11.2 TFR Safety Officers / Specialists shall at all reasonable times be allowed access to the work sites, the Contractor site offices and tool-sheds to inspect the Contractor's and its subcontractor's tools, equipment, registers and workplace.

11.3 Should any non-compliances or contraventions to the TFR safety requirements, legal requirements, this specification or the Contractor's SHE Plan be identified, such non-compliances or contraventions shall be rectified by the contractor at its cost immediately or within a period specified by the TFR Contract Manager/Technical Officer, his deputy, or TFR Safety Officers / Specialists.

11.4 Should the Contractor refuse or fail to rectify such non-compliances or contraventions, TFR may take remedial action at the Contractor's cost as it may deem necessary to ensure safety at the TFR sites at all times.

11.5 TFR reserves the right to conduct safety audits without prior warning.

11.6 The Contractor on all contracts of more than 1 month shall provide a monthly safety performance report as required by TFR.

11.7 The Monthly safety performance report shall be compiled in terms of Annexure 1 or in any format that the Contractor has as long as it includes all items listed in Annexure 1.

12. Training, Competence and Awareness

12.1 Induction Training

12.1.1 The Contractor shall ensure that all his employees and subcontractors employees undergo a TFR SHE Induction with regard to the general hazards prevalent on the site, rules and regulations, and other related aspects before commencing work. It is the responsibility of the contractor to inform TFR whenever new employees are appointed after the initial induction was conducted.

12.1.2 In addition to the TFR SHE induction, it is the responsibility of the Contractor to develop and implement a site specific SHE Induction programme, a job specific induction programme and a general employee SHE awareness programme, to develop awareness amongst employees on the generic SHE issues associated with the scope of work and the specific environmental issues in question.

12.1.3 The Contractor shall ensure that all visitors and suppliers to the site undergo and comply with Contractors' site-specific safety induction requirement prior to being allowed access to site. All visitors and suppliers shall sign the attendance register.

12.1.4 All visitors and suppliers shall wear the necessary personal protective equipment whilst on site and shall remain in the care of the host who understand the scope of work and associated risks.

12.1.5 The Contractor shall maintain comprehensive attendance records of SHE induction training on the SHE file.

12.2 Competency / Training

12.2.1 The Contractor must ensure that all his employees are adequately trained to perform the tasks allocated to them and that there is the requisite amount of supervision at all times to maintain safe work practices and standards.

12.2.2 The Contractor shall identify training requirements of employees whose work may have a significant impact on their health and safety or that might create a significant impact upon the environment and ensure that these employees will receive appropriate training. A Training matrix shall be used as a mechanism to manage and control the training of employees.

12.2.3 The Contractor shall identify all training needs and incorporate the site-specific training into the SHE plan.

12.2.4 Each Contractor shall be required to ensure that before an employee commences work on the contract that the supervisor in control with responsibility for the employee has informed the employee of his scope of authority and any hazards associated with the work performed. This will include man-job specifications, the discussion of any standard task procedures or hazardous operational procedures to be performed by the employee

12.2.5 The Contractor is to ensure that the supervisor has satisfied himself that the employee is conversant with all hazards associated with any work to be performed by conducting task observations.

12.2.6 The Contractor must ensure that certificate/s of competence where applicable is/are provided in the SHE File.

12.3 Awareness Training

12.3.1 Awareness training required shall be identified for all employees on the contract using the SHE Policy, the SHE Plan, the SHE programmes and procedures.

12.3.2 The Contractor shall have a daily safety talk. This talk shall include subcontractor employees.

12.3.3 The talk must be brief and concise. Subject topics should be applicable to the job at hand, incidents, accidents and up-and-coming work will be discussed along with

suggestions and comments. These meetings can be used as a training meeting with the central idea of educating employees.

12.4 Information and training

12.4.1 The Contractor shall, before any employee is exposed or may be exposed to asbestos dust, after consultation with the health and safety committee established for that section of the workplace, ensure that the employee is adequately and comprehensively informed and trained on the scope and contents of the Asbestos Regulations, 2002, both practical aspects and theoretical knowledge, with regard to:

- a) the potential sources of exposure, including the recognition of derelict asbestos-containing materials;
- b) the potential health risk caused by exposure to asbestos, including the health risks to employees' families and others, which could result from taking home asbestos contaminated equipment and clothing, and the dramatically increased risk of lung cancer for asbestos workers who smoke;
- c) the measures taken by the employer to protect an employee against any risk from exposure;
- d) the precautions to be taken by the employee to protect himself or herself against the health risks associated with the exposure, which precautions include the wearing and use of protective clothing and respiratory protective equipment;
- e) the necessity, correct use, maintenance and limitations of protective equipment, facilities and engineering control measures provided;
- f) the assessment of exposure, the purpose of air sampling, the necessity for medical surveillance and the long-term benefits and limitations thereof;
- g) the occupational exposure limit and its meaning;
- h) the importance of good housekeeping at the workplace and personal hygiene;
- i) the safe working procedures regarding the use, handling, processing, and storage of any material containing asbestos, which procedures include the correct use of control measures to limit the spread of asbestos dust outside the work area, and to limit the exposure of workers inside the work area as far as is reasonably practicable;
- j) procedures to be followed in the event of an accidental spillage or any other similar emergency situation likely to result in the release of asbestos dust;
- k) procedures for reporting and correcting defects likely to result in the release of asbestos dust;
- l) safe disposal of asbestos waste; and
- m) procedures for record keeping;

12.4.2 The Contractor shall ensure that refresher training on matters of asbestos related shall be given at least every year or at more frequent intervals that may be recommended by the health and safety committee.

12.4.3 Training should be given more frequently than once a year if:-

- a) work methods change;
- b) the type of work carried out changes significantly; or
- c) the type of equipment used to control exposure changes.

12.4.4 Training shall be provided by somebody who is competent to provide it and has adequate personal practical experience and theoretical knowledge of all aspects of the work being carried out by the employer.

12.4.5 The Contractor shall ensure, as far as is reasonably practicable, that his or her mandatory or any person other than employees who may be exposed to asbestos at the workplace are given adequate information, instruction and training.

12.4.6 The Contractor shall keep a record of any training, both practical and theoretical, that was given to an employee.

12.4.7 The Contractor shall give instructions in writing of the procedures to the drivers of vehicles carrying asbestos or asbestos-containing material, that has the potential of causing environmental pollution or affecting human health.

13. Health and Safety Plan (SHE Plan)

13.1 Potential Contractor submitting tenders shall submit with their tender, a Health and Safety Plan setting out the practical arrangements and procedures to be implemented by him to ensure compliance by him with the OHS Act and Regulations, this SHE specification and particularly in respect of: -

- (a) 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 OHS Act;
- (b) the execution of the contract work in such a manner as to ensure in terms of section 9 of the OHS 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;
- (c) ensuring, as far as is reasonably practical, in terms of section 37 of the OHS 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.

13.2 The Contractor's Health and Safety Plan 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.

13.3 The SHE Plan shall include full particulars in respect of: -

- (a) Safety Management Structure arrangements i.e. Appointments to be done and how;
- (b) SHE Organisation arrangements i.e. SHE Committees, SHE Audits, Findings and Corrective Actions
- (c) Risk Management i.e. Risk Assessment frequencies, methodology
- (d) Education and Training i.e. safety induction, site / job specific training arrangements
- (e) Emergency Planning
- (f) Health and Safety Communication i.e. Toolbox talks, incident recall
- (g) Safe working methods and procedures to be implemented i.e. safe work procedures, task observation
- (h) Fall Protection Plan i.e. documented plan, training/competency, medical surveillance, rescue plan
- (i) Personal protective Equipment and Clothing
- (j) Contract Security i.e. site access control and security
- (k) SHE Costs
- (l) Occupational Health i.e Medical Surveillance, First Aid, Welfare Facilities, Substance Abuse testing, Noise, Vibration, Manual Handling etc
- (m) Environmental management
- (n) Incident Management i.e. reporting and investigation
- (o) Operational Control
- (p) Review plan of the SHE Plan
- (q) COVID-19 Requirements

13.5 The Contractor shall submit a final SHE Plan after awarding of the contract which shall be subject to the TFR Contract Manager/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 TFR Contract Manager/Technical Officer's opinion, are necessary to ensure full compliance by the Contractor with his obligations as an employer in terms of the OHS Act and Regulations.

- 13.6 The Contractor shall approve the SHE Plan of the subcontractor and further take reasonable steps to ensure that each subcontractor's SHE Plan is implemented and maintained on the site: Provided that the steps taken, shall include periodic audits at intervals mutually agreed to between them, but at least once every month.
- 13.7 The Contractor shall stop any subcontractor from executing any construction work, which is not in accordance with the Contractor's, and/or subcontractor's SHE Plan for the site or which poses a threat to the health and safety of persons.
- 13.8 The Contractor shall ensure that a copy of the SHE Plan is available on site for inspection by an inspector, TFR Contract Manager/Technical Officer, agent, subcontractor, employee, registered employee organisation, health and safety representative or any member of the health and safety committee.

14. Hazards Identification and Potential Hazardous Situations

- 14.1 The Contractor shall ensure a risk assessment is carried out by a competent person, appointed in writing, before commencement of any work and reviewed during the duration of the contract period. The Risk Assessments shall form part of the Health and Safety Plan to be applied on the site and shall include at least the following:
 - (a) The identification of the risks and hazards (including ergonomic risks) that persons may be exposed to;
 - (b) The analysis and evaluation of the hazards identified;
 - (c) A documented plan, including safe work procedures to mitigate, reduce or control the; risks identified; and
 - (d) A monitoring and review plan.
- 14.2 Risk assessments shall be conducted by a competent person and such person shall use a documented method to analyse and evaluate identified risk and hazards.
- 14.3 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
- 14.4 The risk assessment shall be reviewed when there are changes that affect the design of the structure that may affect the health, safety and environment on site or after an incident.
- 14.5 The Contractor shall ensure that all employees are to be informed, instructed and trained regarding any risks, hazard and related SHE procedures by a competent person as outlined in the risk assessment prior to commencement of work and thereafter at predetermined intervals as outlined in the monitoring plan.

- 14.6 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 intervals as may be determined in the risk assessment.
- 14.7 The risk assessment shall be available on site for review. Where a risk assessment is not readily available or not communicated to contractor employees, the construction activities shall be stopped until such time the contractor complies.
- 14.8 The Contractor and the TFR Contract Manager/Technical Officer shall immediately notify one another of any hazardous or potentially hazardous situations which may arise during performance of the contract 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.
- 14.9 The Contractor shall be required to analyse his scope of work and define these critical activities. For each activity, a risk assessment shall be required which defines systems and safe work procedures that will be used in order to complete the activity safely.
- 14.10 Copies of all safe work procedures and proof that employees have been trained on those safe work procedures shall be kept on the SHE file.
- 14.11 Preliminary risk and hazard identification shall be conducted by the Contractor prior to work commencement on site. Should the Client's Agent, Project Manager, TFR Contract Manager/Technical Officer or his duly nominated alternative identify hazardous activities performed by the Contractor on the site for which the Contractor has not submitted a risk assessment, the Contractor shall be required to do so before continuing with work.

15. Safety, Health and Environmental (SHE) File

- 15.1 The Contractor shall prepare a SHE file and submit to TFR Contract Manager for approval prior to commencement of work on site. The file shall include all documentation required as per the OHS Act and applicable regulations. ,
- 15.2 The approval time of the SHE file is at least 5 working days
- 15.3 The Contractor shall ensure that a copy of the both his SHE File as well as any subcontractor's SHE File is kept on site and made available to an inspector of the Department of Labour, the TFR Contract Manager/Technical Officer, or subcontractor upon request.
- 15.4 The Contractor shall hand over a consolidated SHE file to the TFR Contract Manager/Technical Officer upon completion of the Construction Work and shall in addition to documentation mentioned in the OHS Act and applicable Regulations include a record of all drawings, designs, materials used and other similar information concerning the completed structure.

16. Occupational Health

16.1 Medical Surveillance Programme

16.1.1 The Contractor shall ensure that all his and subcontractor employees have a valid medical certificate of fitness issued by an Occupational Health Practitioner.

16.1.2 Medical certificate of fitness must be available and be kept in the SHE file.

16.1.3 The Contractor shall ensure that its medical surveillance programme comply to the requirements of Regulation 9 of the Asbestos Regulation.

16.2 Substance Abuse

16.2.1 All Contractors must comply with the Transnet Substance Abuse Policy and Regulation 2A of the General Safety Regulations of the OHS Act.

16.2.2 No Contractor may possess, sell, offer to other person, use, store, manufacture, transport, distribute, or transfer drugs or alcohol during work hours, on or off TFR premises.

16.2.3 TFR will not tolerate substance abuse or use which put at risk the health and safety of its employees or threatens its services to our stakeholders. It is on this basis that a contractor employee will be considered unfit for work if:

(a) He/she is subjected to alcohol screening and/or alcohol testing and is found to have alcohol in his/her breathe and/or blood;

(b) Refuses to undergo substance screening and/or testing;

(c) He /she produces a positive confirmatory test for any other substances, measured by sample analysis at a registered pathological laboratory and authorised by a medical practitioner; and/or

(d) Through observation by security personnel or TFR Contract Manager, it is evident that the contractor's physical, emotional, mental or behavioural state reflects that they are intoxicated or under the influence.

16.2.4 Any transgression of this policy will constitute a breach of the relevant contract and may result in the termination of services/contract.

16.2.5 Any contractor employee using medication that has a narcotic effect must declare before work to his / her supervisor.

16.3 Occupational Hygiene

16.3.1 The Contractor shall conduct Health Risk Assessments of all the Occupational Hygiene / Environmental stressors (e.g. noise, dust, illumination, HCS, heat & cold stressors, ergonomics, etc.) present in the area where they operate to determine if there is any possible worker exposure. Records of all these assessments should be documented and kept up to date.

16.3.2 The Contractor shall monitor the extent to which their employees are exposed to the occupational hygiene stressors. These assessments shall be conducted by an Approved Inspection Authority as listed on the Department of Labour database. The findings from

these assessments should be kept on the SHE file, communicated to all affected parties and be reported to relevant authorities.

16.3.3 The Contractor shall ensure that the monitoring of exposure to asbestos is conducted by an approved asbestos inspection authority.

16.3.4 The Contractor shall ensure compliance with the requirements of Asbestos Regulation 7 and 8 with regard to assessment of potential exposure and air monitoring.

16.4 First Aid requirements

16.4.1 All Contractors shall ensure that their employees receive prompt first aid treatment in case of injury or emergency. The Contractor must have the necessary equipment and/or facility on site for treatment of injured persons.

16.4.2 Contractor shall ensure that the first aid box / boxes are available and accessible. More first aid boxes shall be provided if the risks, distance between work teams, or the working environment requires it.

16.4.3 Taking into account the type of injuries that are likely to occur on site, the nature of activities performed and the number of employees on site, the Contractor shall ensure that the first aid box contain suitable first aid equipment which includes at least the minimum contents as listed on Annexure 1 of General Safety Regulation (GSR).

16.4.4 The Contractor must ensure that trained / certificated first-aid personnel are appointed and be available on site at all times. The ratio of first aiders to employees shall be 1:50.

16.5 Asbestos Control

16.5.1 The Contractor shall inform the TFR Project Manager or TFR Contract Manager if during performance of the work asbestos or suspected asbestos containing material is found, not having been identified previously. Only Asbestos Approved Contractor can work on asbestos containing material.

16.5.2 The Contractor shall ensure that no person apply asbestos by means of spraying or any other similar process or require or permit any other person to apply asbestos by means of such process.

16.5.3 The Contractor shall ensure that measures to control asbestos exposure to its own employees, TFR employees and other person are implemented in terms of the requirements of Regulation 11, 12 and 13 of the Asbestos Regulation.

16.6 Noise

16.6.1 The Contractor shall ensure that the requirements of the Noise Induced Hearing Loss Regulations are complied with.

16.6.2 Contractor shall ensure that machinery and equipment are operated at noise levels not exceeding an equivalent level of 85-dB (A) during normal working conditions.

16.6.3 Where the noise levels at the Operator position or to employees working in the vicinity exceed an equivalent level of 85-dB (A) during normal working conditions, the Contractor shall take appropriate measures to reduce such levels to an equivalent level of 85-dB (A). The use of Personal Protective Equipment (PPE) should be the last resort.

16.6.4 All employees exposed to noise must be trained on the effects of exposure, precautionary measures to be taken to prevent exposure and the correct use of PPE.

16.6.5 Noise zones must be demarcated as such.

16.7 Vibration

16.7.1 Contractors must put measures to reduce the risks associated with hand–arm vibrations, avoid, whenever possible, the need for vibration equipment.

16.7.2 Contractor shall develop a good maintenance regime for tools and machinery. This may involve ensuring that tools are regularly sharpened, worn components are replaced or engines are regularly tuned and adjusted.

16.7.3 The Contractor must introduce a work pattern that reduces the time exposure to vibrations.

16.7.4 The Contractor shall issue employees with gloves and warm clothing. There is a debate as to whether anti-vibration gloves are really effective, but it is agreed that warm clothing helps with blood circulation which reduces the risk of vibration white finger. Care must be taken so that the tool does not cool the hand of the operator.

16.8 Manual Handling

16.8.1 Contractor must reduce risk of injury due to manual handling by using mechanical assistance involving the use of mechanical aids to assist the manual handling operation. Mechanical aids such as hand-powered hydraulic hoists, specially adapted trolleys, hoist for lifting patients and roller conveyors can be used.

16.8.2 Contractor shall ensure all employees involved in manual handling are trained in good lifting techniques.

16.9 Dust

16.9.1 The Contractor shall monitor dust caused by their activities, mobile equipment, generators and other equipment during works. Factors such as wind can often affect the intensity to which the impact is experienced.

16.9.2 Dust suppression measures must be in place to reduce the dust caused by the activities on site.

16.9.3 Appropriate PPE should be provided to exposed employees.

16.9.4 The Contractor shall ensure that no person uses compressed air or permits any person to use compressed air to remove asbestos dust from any surface or person.

16.10 Weather precautions

- 16.10.1 In the event of adverse weather (high winds, flooding, storm surge, lightning etc) or other conditions, the Contractor must institute precautionary measures to protect employees on site.
- 16.10.2 The Contractor shall take steps to prevent heat stroke, dehydration and exhaustion of employees as a result of exposure to excessive heat on site. Such steps may include employees taking regular breaks, consuming enough water, provision of sun brims for their hard hats and sunscreen to protect them against sun burn.
- 16.10.3 The Contractor shall take steps to prevent hypothermia or dangerous overcooling of the body as a result of exposure to cold temperatures.

16.11. Welfare Facilities

- 16.11.1 The Contractor shall ensure that suitable, clean and hygienic welfare facilities are provided to its employees and subcontractors. Where such welfare facilities are provided to them by TFR for the use of their employees and subcontractors, the Contractor shall ensure that they are kept in a clean, hygienic, safe, whole and leak-free condition, and in a good state of repair.
- 16.11.2 The Contractor shall ensure that no person smoke, eat, drink or keep food or beverages in an area not specifically designated for it or require or permit any other person to smoke, eat, drink or keep food or beverages in such area;

16.12 Work in Confined Space

- 16.12.1 The Contractor shall ensure that a confined space is only entered by an employee or any other person only after the air therein has been tested and evaluated by a person who is competent to pronounce on the safety thereof, and who has certified in writing that the confined space is safe and will remain safe while any person is in the confined space, taking into account the nature and duration of the work to be performed therein.
- 16.12.2 the Contractor shall take steps to ensure that any confined space in which there exist or is likely to exist a hazardous gas, vapour, dust, or fumes, or which has or likely to have, an oxygen content of less than 20 percent by volume, is entered by an employee or other person only when:
- (a) the confined space is purged and ventilated to provide a safe atmosphere therein and measures necessary to maintain a safe atmosphere therein have been taken.
 - (b) the confined space is isolated from all pipes, ducts, and other communicating openings by means of effective blanking other than the shutting or locking of a valve or a cock, or, if this is not practicable, only when all valves and cocks which are a potential source of danger have been locked and securely fastened by means of chains and padlocks.

- 16.12.3 The Contractor shall ensure that the provisions of General Safety Regulation 5 are complied with regard to work on confined space
- 16.12.4 The Contractor must take into consideration that a tunnel is defined as a confined space in terms of the General Safety Regulations and must ensure compliance to the above when working in tunnels.

17 Incidents/Occurrences

- 17.1 All incidents referred to in Regulation 9 of General Administration Regulations of the OHS Act involving the contractor and his subcontractor on TFR premises, shall be reported to the TFR Contract Manager and Department of Labour as prescribed by the OHS Act.
- 17.2 TFR must be forwarded with a copy of a report of any investigation, formal inquiry conducted in terms of Section 31 and 32 of the Act into any incident involving the contractor, his subcontractor, any person or machinery under his control on TFR premises.
- 17.3 TFR Contract Manager must be informed of the above incidents/occurrences before the end of shift when the incident/occurrence occurred.
- 17.4 The Contractor shall make available its employees to attend as witnesses when required so by TFR during an investigation into any incident where TFR believes the said contractor employees were witnesses or may assist in the investigation.
- 17.5 The contractor shall make available to TFR any documents required to assist in their investigation.

18. SHE Cost

- 18.1 The Contractor shall ensure that it has made adequate provision for the cost of health and safety measures in the tender offer.
- 18.2 The Contractor shall ensure that its subcontractors have made adequate provision for the cost of health and safety measures in the tender offer.

19. Personal Protective Equipment (PPE)

- 19.1 The contractor shall ensure that all employees are provided with appropriate prescribed Personal Protective Equipment (PPE) free of charge (according to General Safety Regulations (2), suitable for the type of activities that the employees will perform.
- 19.2 Such PPE shall be approved by credible institution such as SABS, EN, or AN.
- 19.3 The contractor shall manage the issuing of PPE and ensure that PPE is used at all times. Employees shall be trained in the proper use of PPE.
- 19.4 The Contractor shall comply to the requirements of Regulation 17 of the Asbestos Regulation 2002 with regard to PPE.

20. Emergency Evacuation Plan and Procedure

- 20.1 The Contractor must establish and implement an emergency evacuation plan to ensure that in the event of fire, explosion structural collapse etc. all staff is able to evacuate the area to a demarcated area for the purpose.
- 20.2 The area so selected must be demarcated and the relevant "Assembly Point" sign displayed where applicable or use TFR nearest assembly point.
- 20.3 An Emergency Evacuation Procedure must be drawn up; all staff members and contractors shall be given awareness training and participate in regular evacuation drills.
- 20.4 The Contractor and its employees shall collaborate and adhere to TFR evacuation drills and requirements.

21. Access Control and Security

- 21.1 The Contractor shall, before commencing any work, obtain from the TFR Contract Manager/Technical Officer a Site Access Certificate signed by him, permitting and limiting access to the designated site or place of work by the Contractor and any subcontractors under his control.
- 21.2 No Site Access Certificate will be granted to the Contractor who fails to comply with TFR minimum SHE requirements, with the SHE File not approved and without the SHE induction been concluded.
- 21.3 The contractor must assess the security risks and implement appropriate measures. All contractors are to strictly adhere to all security requirements on the premises.
- 21.4 The Contractor in collaboration with the TFR representative will ensure that proper access control is in place and functional at all times onto and out of the site. A form of access control will be issued to contractor employees who have been inducted and submitted copies of ID documents or work permits (where required).
- 21.5 Access Permits should be carried by a contract employee at all time when on site. Access Permits shall be produced at the point of entry / gate.
- 21.6 Contractors shall ascertain from TFR Contract Manager/Technical Officer the correct route along with their employees may proceed when coming on or going off shift and direct their employees accordingly.

22. Management of Subcontractors

- 22.1 The Contractor is directly responsible for the actions of his contractors/sub-contractors.
- 22.2 The Contractor will also be responsible for initiating any remedial action (recovery plan) that may be necessary to ensure that the contractor complies with all requirements.
- 22.3 The Contractor shall provide any contractor who is making a bid or appointed to perform construction work, with the relevant sections of the documented SHE specification, who would in turn provide a SHE plan for approval.

- 22.4 The Contractor shall carry out inspection/audits on the contractor/subcontractor to ensure that their SHE plan is being implemented and maintained and submit audit report to TFR Representative.
- 22.5 The Contractor shall stop any contractor/subcontractor from executing construction work which poses a threat to the safety and health of persons or the environment.
- 22.6 The Contractor shall ensure that the sub-contractors appointed have the necessary competencies and resources to perform the work safely.
- 22.7 The Contractor will be required to submit 37(2) mandatory agreement between the Contractor and subcontractor to the TFR Contract Manager

23. Environmental Management

- 23.1 The Contractor shall identify, document and comply with all pertinent Environmental laws and associated Regulations, approvals, licenses and permits which are applicable to the Services and activities undertaken.
- 23.2 Before commencement with any of the services to be rendered to TFR, the Contractor shall make available all personnel who will be working on the specified contract to be given environmental induction training. All Contractor employees arriving on the site shall attend such induction.
- 23.3 The Contractor shall adhere to all instructions issued by Contract Manager or his /her delegated person in promotion of environmental management and legal compliance.
- 23.4 The Contractor shall determine the correct positioning of topsoil stockpiling to avoid massive disturbance and prepare the topsoil for reuse during landscaping.
- 23.5 Concrete shall not be mixed directly on the ground or any other permeable surface. Should concrete batching activities occur, these should be located in the designated area on site with low environmental sensitivity levels.
- 23.6 All excess concrete shall be removed from site on completion of plastering or concrete pouring and disposed of in an environmentally acceptable manner.
- 23.7 The Contractor shall ensure that his or her employees are aware of the procedures to be followed when dealing with spills and leaks, which shall include notifying the relevant authorities and TFR as required in terms of National Environmental Management Act (NEMA), 1998 and National Water Act (NWA), 1998. The Contractor shall ensure that all necessary material and equipment required for use during clean – up/rehabilitation of spills and leaks are available on site at all times. Treatment, remediation and/or rehabilitation of contaminated areas shall be undertaken to the reasonable satisfaction of the TFR Environmental Control Officer or relevant Environmental Specialist.
- 23.8 Contractor shall be solely responsible for the control of dust generated from his or her activities. Excavation, handling and transport of erodible material shall be avoided under aggressive wind conditions or when a visible dust plume is present. If dust damping

measures are deemed inadequate, working must cease until the wind speed drops to an acceptable level.

- 23.9 Construction activities generating output levels of 85 dB (A) or more shall be confined to the hours 08h00 to 17h00 Mondays to Fridays (close to residential areas).
- 23.10 No on-site burying or dumping of waste material shall occur. Waste must be collected by a licensed waste transporting contractor and disposed of at a licensed disposal site. Disposal certificate must be made available to TFR on request.
- 23.11 Waste bins must be provided in sufficient number and capacity to store solid waste produced on a daily basis. These bins must be kept closed and emptied regularly.
- 23.12 A designated re-fuelling area (s) must be provided. The re-fuelling area must be protected from hydrocarbon spillage to the reasonable satisfaction of the TFR Environmental Control Officer or Relevant Environmental Specialist. As a minimum requirement, re-fuelling and workshop areas shall have a bunded floor surface and storm water collection mechanism. Refuelling shall always be accompanied by the use of drip trays.
- 23.13 The Contractor must notify the Contract Manager immediately of any pollution incident. An incident record system shall be maintained on site for inspection by TFR and relevant authorities.
- 23.14 All vehicles and equipment's shall be kept in good working condition. All leaking equipment's shall be repaired immediately or removed from site. All vehicles and equipment shall be maintained and not emit excessive noise.
- 23.15 In case of major hydrocarbon spill or leakage as a result of equipment failure, Contract Manager must be made aware of such event and the affected area must be fenced off and be cleaned immediately to the reasonable satisfaction of the TFR Environmental Control Officer to prevent contamination of soil and both surface and groundwater.
- 23.16 The Contractor shall ensure that no spillage occurs when toilets are being cleaned or emptied and that the contents are removed from site by a licensed service provider.
- 23.17 The use of borrow pits for the construction of access roads must comply with the provisions of Minerals and Petroleum Resources Development Act of 2004 as amended and should not be located inside the border of any protected area (e.g. Nature Reserve).
- 23.18 All disturbed areas must be rehabilitated to the reasonable satisfaction of TFR Environmental Control Officer or Relevant Environmental Specialist.
- 23.19 Transportation, handling and storage of all substances classified as hazardous must comply with the provisions of the Hazardous Substances Act, 15 of 1973, relevant Regulations and SANS Codes.
- 23.20 Archaeological remains, artificial features and structures older than 60 years are protected by the Natural Heritage Resources Act, 25 of 1999. Should any archaeological artefact be exposed during construction or any contract work, such work must be stopped immediately. The TFR Environmental Control Officer must be called in for

inspection and to recommend the way-forward. Under no circumstances may any artefacts be destroyed or removed from site.

- 23.21 The extraction of water for construction purposes must at all times comply with licensing requirements of Department of Water Affairs, where applicable. Extraction of water from a stream or a river requires approval.
- 23.22 Where blasting is required, it shall be carried out entirely within the provisions of the Explosives Act, 26 of 1956 and other relevant engineering and safety standards.
- 23.23 Office and camp sites shall be established, as far as is practicable, outside the flood plain, above the 1:50 flood level mark within the boundaries of the construction area. No camp or office site shall be located closer than 100 metres from a stream, river, spring, dam or pan.
- 23.24 The area chosen for these purposes shall be the minimum reasonably required and which will involve the least disturbance to vegetation.
- 23.25 Camps and site offices shall be fenced (where necessary) in consultation with the landowner.
- 23.26 The Project Manager or TFR Contract Manager may, at his or her discretion stop any work, activity or process not in accordance with Environmental laws and associated Regulations, approvals, licenses and permits.
- 23.27 The contractor shall preserve wildlife in terms of the NEMA.

24. Operational Safety

24.1 Asbestos cement sheeting and related products

24.1.1 The Contractor who erect, maintain, alter, renovate, repair, dismantle or add asbestos-cement roof sheeting, wall panelling, gutters, fascia boards and related products to a building shall ensure that—

- (a) if any roof work is performed, suitable roof ladders or duckboards or crawling boards are used in accordance with regulation 12 of the General Safety Regulations published by Government Notice No. R. 1031 of 30 May 1986;
- (b) written work procedures are laid down and followed to prevent the release of asbestos dust into the environment;
- (c) any water which contains asbestos dust as a result of the activities contemplated in Clause 24.1.1, shall be treated in accordance with regulation 13(2)(b) and (c) of the Asbestos Regulations 2002;
- (d) the work procedures contemplated in paragraph (b) shall be available for perusal by the relevant health and safety representative or relevant health and safety committee and for inspection by an inspector;
- (e) removal work is conducted under controlled conditions in accordance with regulations 11 and 13 of the Asbestos Regulations 2002;
- (f) cutting or drilling is performed under controlled conditions in accordance with regulation 11 and 13 of the Asbestos Regulations 2002, including the use of wet methods where possible, and a suitable slow-speed cutter is used, provided that a respirator shall be used by the operator and others at risk of exposure;
- (g) asbestos waste of any form, including dust, is collected and disposed of in accordance with regulation 20 of the Asbestos Regulations 2002;
- (h) once installed and where reasonably practicable, the relevant items are painted or otherwise sealed with a protective coating to limit the release of asbestos dust, combat weathering and inhibit growth of lichen or moss;
- (i) cleaning is done under controlled conditions ensuring that—
 - (i) dry brushing, scraping, sanding or abrasion techniques are not used;
 - (ii) where reasonably practicable, high-pressure water jetting is not used unless in conjunction with a suitable profiled hood that limits dispersal of contaminated water and, if the said jetting is used, that suitable control methods are used in accordance with regulation 13(2)(b) of the Asbestos Regulations 2002; and
 - (iii) when fungicidal solution or moss killer is applied, a standing time of 24 hours or any other period specified by the manufacturer is allowed, and

a low-pressure hose is used after such period to keep the sheets wet whilst employing a stiff broom or any similar means to remove any moss or lichens.

24.2 Special Permits

24.2.1 Where special work permits are required before work may be carried out such as for e.g. hot work (welding, cutting etc.), isolation, and occupations, the Contractor shall apply to the TFR Contract Manager/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 work permits.

24.3 Vehicle Safety

With respect to vehicles, vehicles and mobile plants the Contractor must ensure that:

24.3.1 They are of an acceptable design and maintained in a good working order and are used in accordance with their design and the intention for which they were designed

24.3.2 Are operated by a person who has received appropriate training, is certified competent and in possession of proof of competency and is authorised in writing to operate such vehicle and mobile plant;

24.3.3 Are operated by a person who has a medical certificate of fitness to operate those vehicle and mobile plant, issued by an occupational health practitioner;

24.3.4 Vehicles used to transport employees have seats firmly secured and adequate for the number of employees to be carried. No employees will be allowed to be transported at the back of LDV's / bakkies unless it is provided with a seat and safety belt and further that the risk assessment has indicated it to be a low risk.

24.3.5 Vehicles are fitted with structures designed to protect the operator from falling material or from being crushed should the vehicle or mobile plant overturn;

24.3.6 Vehicle must be equipped with an acoustic warning device which can be activated by the operator and an automatic acoustic reversing alarm

24.3.7 Vehicles must be inspected by the authorised operator or driver on a daily basis using a relevant checklist prior to use and that the findings of such inspection are recorded in a register kept in the construction vehicle or mobile plant.

24.3.8 No person rides or is required or permitted to ride on a construction vehicle or mobile plant otherwise than in a safe place provided thereon for that purpose.

24.3.9 All vehicles or mobile plant when not in use, have buckets, booms or similar appendages, fully lowered or blocked, controls in a neutral position, motors stopped, wheels chocked, brakes set, and ignition secured.

24.3.10 Whenever visibility conditions warrant additional lighting, all mobile plant are equipped with at least two headlights and two taillights when in operation

24.3.11 Tools, material and equipment are secured and separated by means of a physical barrier in order to prevent movement when transported in the same compartment with employees.

24.3.12 Where applicable, also in collaboration with the TFR representative and other appropriate personnel develop a traffic management plan for the site to ensure the safe movement of all construction related mobile plant where applicable

24.3.13 This plan is to be reviewed as and when required to ensure its applicability where applicable.

24.3.14 Those working or operating on public roads comply with the requirements of the National Road Traffic Act, 1996.

23.3.15 All vehicles which have been in contact with asbestos waste are cleaned and decontaminated after the use, in such a way that such vehicle do not cause a hazard inside or outside the workplace.

23.3.16 The Contractor shall ensure that all vehicles in which asbestos is transported is clearly identified in accordance with SANS 10228 and 10229.

24.4 Housekeeping and general safeguarding on site

24.4.1 Contractor must ensure that suitable housekeeping is continuously implemented on each work site

24.4.2 The Contractor must ensure proper storage of materials and equipment and the removal of scrap, waste and debris at appropriate intervals.

24.4.3 The Contractor must ensure that materials required for use, are not placed on the site so as to obstruct means of access to and egress from workplaces and passageways

24.4.4 The Contractor must ensure that materials which are no longer required for use, do not accumulate on and are removed from the site at appropriate intervals.

24.5 Hazardous Chemical Substances (HCS)

24.5.1 The Contractor must ensure that all employees exposed to hazardous chemicals are trained on the potential source of exposure, potential risk to health caused by exposure and measures to be taken by the contractor and employees against any risk of exposure.

24.5.2 HCS risk assessment to be conducted and where it indicates that any employee may be exposed, the contractor shall ensure that monitoring is carried out in terms of regulation 6 and 7 of the Hazardous Chemical Substances Regulations.

24.5.3 Employees exposed to hazardous substances shall be under medical surveillance

24.5.4 Where herbicides are used, the contractor shall comply with all relevant legislative requirements pertaining to the use of herbicides and that work is undertaken under the supervision of a person with a valid certificate in Pest Control.

24.6 Stacking and Storage

- 24.6.1 The Contractor shall ensure that a competent person is appointed in writing with the duty of supervising all stacking and storage.
- 24.6.2 Adequate storage areas are provided, demarcated as storage areas and are kept neat and under control.

24.7 Fire Precautions and Fire Safety

- 24.7.1 The Contractor must ensure that all appropriate measures are taken to avoid the risk of fire. The Contractor shall comply to the fire precautions as stipulated in the Environmental Regulations for Workplaces, 1987 and regulation 29 of the Construction Regulations, 2014
- 24.7.2 Sufficient and suitable storage is provided for flammable liquids, solids and gases.
- 24.7.3 Smoking is prohibited and notices in this regard are prominently displayed in all places containing readily combustible or flammable materials
- 24.7.4 The Contractor shall ensure that the work areas are clear, at all times, of any material, which could fuel a fire and that combustible materials do not accumulate, oily rags, waste and other substances liable to ignite are without delay removed to a safe place.
- 24.7.5 A thorough inspection is made of the work site at the end of any working period to ensure that no material is left at the work site or any situation left in such a manner that a fire or accident could result (all machines to be turned off at main switches, and cylinders to be closed and hoses deflated).
- 24.7.6 Suitable and sufficient fire-extinguishing equipment is placed at strategic locations or as may be recommended by the Fire Chief or local authority concerned and that such equipment is maintained in a good working order.
- 24.7.7 The fire equipment is inspected by a competent person, who has been appointed in writing for that purpose, in the manner indicated by the manufacturer thereof
- 24.7.8 Sufficient number of employees are trained in the use of fire extinguishing equipment and familiarise themselves with locations of fire fighting equipment in the work site.
- 24.7.9 There is an effective evacuation plan providing for all persons to be evacuated speedily without panic, accounted for and a siren is installed and sounded in the event of a fire.
- 24.7.10 Where appropriate, suitable visual signs are provided to clearly indicate the escape routes in the case of a fire and the means of escape is kept clear at all times.
- 24.7.11 The Contractor must ensure that fire fighting equipment are not to be used for any purpose other than their intended use.

24.8 Demarcation of the site

24.8.1 The Contractor shall ensure that its activities are conducted within a limited area to facilitate control and to minimize the impact on the existing natural environment and other TFR activities.

24.8.2 The Contractor shall demarcate the boundaries of the site in order to restrict activities to the site.

24.8.3 The method of demarcation and the location of the demarcated area shall be determined by the Contractor and approved by the TFR Contract Manager prior to any work being undertaken. The Contractor shall ensure that all his plant, labour and materials remain within the boundaries of the site.

24.8.4 Failure to do so may result in the Contractor being required to fence off the boundaries of the site at his own expense to the satisfaction of the TFR. The contractor is responsible for the safeguarding of his/her own equipment and material while on site.

24.9 Fall Protection Plan

24.9.1 In the event of the risk and hazard identification, as required in terms of clause 14 of this Specification, revealing risks relating to working from a fall risk position the Contractor shall cause the designation of a competent person, responsible for the preparation of a fall protection plan;

24.9.2 The Contractor shall implement, maintain and monitor the fall protection plan for the duration of the contract. The Contractor shall also take such steps to ensure the continued adherence to the fall protection plan.

24.9.3 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;
- (e) rescue plan; and
- (f) the procedure addressing the inspection, testing and maintenance of all fall protection equipment

24.10 SHE Signage (Symbolic Safety Signs) on plant and in buildings

24.10.1 The Contractor's employees shall comply with all SHE signage posted at various locations of TFR sites.

24.10.2 The Contractor shall after occupation of the work site ensure that appropriate, SHE signs (Symbolic Safety Signs) are displayed on site.

24.10.3 The Contractor shall ensure that labelling, packaging, storage and transporting is conducted in compliance to the requirements of Asbestos Regulation 19.

24.11 General Machinery, Tools and Equipment

24.11.1 The Contractor shall ensure that all machinery, tools and equipment are identified, numbered or tagged, listed on an inventory list.

24.11.2 The Contractor shall ensure that all machinery, tools and equipment are safe to be used and is maintained in a good condition.

24.11.3 The Contractor shall ensure that all machines driven by means of belts, gear wheels, chains and couplings shall be adequately guarded in such a manner that persons cannot gain inadvertent access to the moving parts.

24.11.4 All machinery, tools and equipment to be regularly inspected at least monthly or as required by legislation and risk assessments. Records of such inspections shall be kept on the SHE file.

24.11.5 Where applicable machinery, tools and equipment must have the necessary approved test or calibration documentation.

24.11.6 The Contractor shall ensure that all machinery, tools and equipment are operated by persons who have been trained to operate such machinery, tools or equipment.

24.12 Portable Electrical Tools and Explosive Power Tools

24.12.1 The Contractor shall ensure that use and storage of all explosive power tools and portable electrical tools comply with all applicable legislation.

24.12.2 The Contractor shall ensure that only trained employees are authorised to use portable electrical tools and explosive power tools

24.12.3 The Contractor shall ensure that all portable electrical tools and explosive power tools are kept in a safe working condition.

24.12.4 All portable electrical tools and explosive power tools are inspected monthly by a competent person and daily before use by the operator of such tool. Records of such inspections must be kept in the safety file.

24.12.5 Users / Operators of electrical power tools and explosive power tools should be issued with suitable protective equipment

24.13 Lifting Machine, Lifting Tackle and Suspended Loads

24.13.1 The Contractor shall ensure that lifting machine and tackle comply with Driven Machinery Regulation 18 and all other applicable legislative requirements and standards.

24.13.2 The Contractor shall ensure that lifting machine operators shall be competent to operate a lifting machine. They must be in possession of a valid permit. The training should have been done according to the Code of Practice by a provider registered by the Department of Labour.

24.13.3 A lock out system should be implemented to ensure that only an operator that is competent can draw lifting machines and forklifts.

24.13.4 The Contractor shall ensure that before using any lifting machines or tackle the operator inspect it. Records of such inspections and examinations shall be kept on the safety file.

24.13.5 All lifting machines shall be examined and subjected to a performance test by an accredited person/company at intervals not exceeding 12 months.

24.13.6 All lifting tackle should be recorded on a register and should be examined by an accredited person/company at intervals not exceeding 3 months.

24.13.7 All hooks shall be fitted with a safety latch/catch.

24.13.8 All lifting tackle should be conspicuously and clearly marked with identification particulars and the maximum mass load which it is designed for.

24.13.9 No person shall be moved or supported by means of a lifting machine unless such a machine is fitted with a cradle approved by an inspector.

24.13.10 Rigging of loads to be done in accordance with acceptable safe work practices

24.13.11 Contractors and their employees shall keep out from under suspended loads, including excavators, and between a load and a solid object where they might be crushed if the load should swing or fall. They shall not pass or work under the boom or any crane or excavator.

24.13.12 Contractors and their employees shall ensure that crane loads are not carried over the heads of any workmen.

24.13.13 The Contractor shall ensure proper supervision in terms of guiding the load including the use of guide ropes to prevent loads from swinging and a trained person to direct lifting operations and checking the lifting tackle and attachments daily.

24.14 Hand Tools and Pneumatic Tools

24.14.1 All hand tools (hammers, chisels, spanners, etc) must be recorded on a register and inspected by a competent person on a monthly basis as well as by users prior to use.

24.14.2 All pneumatic tools should be numbered, recorded and inspected at least monthly as well as by users prior to use. And the revolutions per minutes measured in accordance with the manufacturer specifications

24.14.3 Tools with sharp points in toolboxes must be protected with a cover.

24.14.4 All files and similar tools must be fitted with handles.

24.14.5 The Contractor must have a policy on private and makeshift tools on site.

24.14.6 No pneumatic tool shall be operated by using a compressed gas cylinder. Pneumatic equipment shall only draw supply from mobile air compressors or from compressed air lines installed within the premises.

24.15 Excavations, Floor Openings and Trenches

The Contractor must ensure that:

24.15.1 All excavation work is carried out under the supervision of a competent person who has been appointed in writing for that purpose.

24.15.2 Evaluation of the stability of the ground, as far as is reasonably practicable, before excavation work begins.

24.15.3 Sufficient steps in order to prevent, as far as is reasonably practicable, any person from being buried or trapped by a fall or dislodgement of material in an excavation.

24.15.4 No person is permitted to work in an excavation which has not been adequately shored or braced: Provided that shoring and bracing may not be necessary where the sides of the excavation are sloped to at least the maximum angle of repose measured relative to the horizontal plane; or such an excavation is in stable material: Provided that permission has been given in writing by the appointed competent person upon evaluation by him or her of the site conditions.

24.15.5 Where any uncertainty pertaining to the stability of the soil still exists the decision from a professional engineer or a professional technologist competent in excavations is decisive and such a decision must be noted in writing and signed by both the competent person and the professional engineer or technologist, as the case may be.

24.15.5 The shoring or bracing used is designed and constructed in a manner that renders it strong enough to support the sides of the excavation in question.

24.15.6 No load, material, plant or equipment is placed or moved near the edge of any excavation where it may cause its collapse and consequently endangers the safety of any person, unless precautions such as the provision of sufficient and suitable shoring or bracing are taken to prevent the sides from collapsing;

24.15.7 Where the stability of an adjoining building, structure or road is likely to be affected by the making of an excavation, steps are taken to ensure the stability of such building, structure or road and the safety of persons.

24.15.8 Convenient and safe means of access to be provided to every excavation in which persons are required to work, and such access may not be further than six meters from the point where any worker within the excavation is working.

- 24.15.9 The location and nature of electricity, water, gas or other similar services which may in any way be affected by the work to be performed and must before the commencement of excavation work that may affect any such service, take the steps that are necessary to render the circumstances safe for all persons involved.
- 24.15.10 Every excavation, including all bracing and shoring, is inspected by the competent person, daily, prior to the commencement of each shift; after every blasting operation; after an unexpected fall of ground; after damage to supports; and after rain in order to ensure the safety of the excavation and of persons.
- 24.15.11 The results of such inspections must be recorded in a register kept on site and made available on request to an inspector, the client, the client's agent, any other contractor or any employee.
- 24.15.12 Every excavation which is accessible to the public or which is adjacent to public roads or thoroughfares, or whereby the safety of persons may be endangered, to be adequately protected by a barrier or fence of at least one metre in height and as close to the excavation as is practicable; and provided with warning illuminants or any other clearly visible boundary indicators at night or when visibility is poor.
- 24.15.13 All precautionary measures stipulated for confined spaces as determined in the General Safety Regulations, 2003, are complied with by any person entering any excavation.
- 24.15.14 Where the excavation work involves the use of explosives, appoint a competent person in the use of explosives for excavation, and must ensure that a method statement is developed by that person in accordance with the applicable explosive's legislation.
- 24.15.15 Warning signs to be positioned next to an excavation within which or where persons are working or carrying out inspections or tests.

24.16 Demolition Work

The Contractor must ensure in addition to the requirements of Construction Regulation 14 that:

- 24.16.1 Any person who intends to have demolition work carried out, shall before the commencement of that work, take steps to ensure that:
- a) demolition work is carried out by a person who is a registered asbestos contractor;
 - b) all asbestos materials likely to become airborne are identified;
 - c) a plan of work is submitted for approval at least 30 days prior to the commencement of that work to an approved asbestos inspection authority who may at its discretion allow a shorter period of time for such submission and may approve standardised procedures for routine alterations or repairs: Provided that the stipulated time period shall not apply if the plan of work is drawn up by an approved asbestos inspection authority;
 - d) A copy of the approved plan of that work, which has been signed by the approved asbestos inspection authority, the employer and, if the person performing that work is

not the employer or self-employed person, the mandatory of the employer or self-employed person, is submitted to the provincial director at least 14 days prior to commencement of such demolition work: Provided that an inspector may allow a shorter period for such submission;

- e) Copies of approved standardised procedures for demolition work are submitted to the provincial director at least 14 days prior to commencement of that work; and
- f) During and after the completion of demolition work, take steps to ensure that:
 - (i) all asbestos and materials containing asbestos are handled and disposed of in the approved landfill site
 - (ii) all persons exposed to or likely to be exposed to asbestos are issued with appropriate personal protective equipment and that such equipment is used properly; and
 - (iii) the premises, structure or area are thoroughly checked to ensure that all asbestos waste has been removed.

24.17 Electrical Equipment

The Contractor must ensure that:

- 24.17.1 Implementation and compliance with Electrical Installation Regulations, Electrical Machinery Regulations and regulation 24 of the Construction Regulations and OH&S Act.
- 24.17.2 All electrical installations, machinery and electrical work is performed in compliance with TFR Electrical Safety Instructions.
- 24.17.3 Connections are not made to any power supply without the prior written approval of the TFR Contract Manager.
- 24.17.4 All electrical machines and appliances provided by the Contractor for his own use on the Site are in a serviceable condition
- 24.17.5 Power tools used on the Site are protected by residual current devices approved by TFR Contract Manager and are double insulated.
- 24.17.6 All extension cords, portable tools and electrical plant supplied at a voltage above 32 volts are inspected, tested, and tagged by a Licensed Electrician at regular monthly intervals. Details of inspections and tests are kept in Logbooks available for inspection by the TFR Contract Manager or any other authorised Officer of TFR.
- 24.17.7 All electrical installations are inspected by the TFR Contract Manager (or his nominee) to ensure that the installation complies with the Statutory Regulations applicable to the site and TFR Electrical Safety Instructions. Any installations deemed unsatisfactory by the TFR Contract Manager should be removed by the Contractor at his expense.

- 24.17.8 Portable lights have adequate stability and are fitted with a mechanical guard to protect the lamp. Temporary festoon lighting is of the 'double insulated' type and is supported at least 2.5m above the floor, if possible. Hand lamps are of the 'all insulated' type.
- 24.17.9 All temporary light fittings are supplied from more than one final sub-circuit, with the supply from a residual current device, extra low voltage source or an isolating transformer.
- 24.17.10 The Contractor must obtain approval from the TFR Contract Manager before any of his employees or Sub-contractors commence work within three (3) metres of conductor rails or high-tension wires, or where there is a possibility of equipment coming close to and/or touching a power source and must provide suitable protective insulating barriers. For the erection of scaffolding, the distance is five (5) metres.
- 24.17.11 Only authorised persons may enter Electrical Contactor Houses, Motor Rooms, Switch Rooms, Control Rooms or Cable Ducts. Should the Contractor require entering such places to carry out work, he must first obtain permission from the TFR Contract Manager and obtain a valid Permit to Work.
- 24.17.12 The Contractor's employees required to enter such electrical spaces "authorised persons", with the names entered in the TFR Authorised Persons Register, after receiving approval from the TFR Electrical Officer, or they are accompanied by an authorised person who must supervise the placement of Danger Tags and Out-of-Service Tags, as well as Electrical Isolation Permit.
- 24.17.13 Electrical equipment supply cabling distribution boards, fixed lighting and portable appliances, extension leads, welding machines, compressors, pumps and hand portable tools are inspected on a monthly basis and also by the user daily before use.
- 24.17.14 Such monthly inspection(s) are to be performed by an appropriately qualified Electrician.
- 24.17.15 Contractors working on, over, under, or adjacent to railway lines and near high voltage equipment shall comply with the TFR E7/1 Specification for Works On, Over, Under or Adjacent to Railway Lines and Near High Voltage Equipment.
- 24.17.16 No person may do electrical installation work as an electrical contractor unless that person has been registered as an electrical contractor in terms of the Electrical Installation Regulations.
- 24.17.17 No person shall authorize, design, install or permit or require the installation of an electrical installation, other than in accordance with a health and safety standard provided that the components within an electrical installation shall comply with the standards and proof of compliance shall be identifiable on the components or certification shall be available from the supplier or manufacturer of the components.
- 24.17.18 Contractor shall provide further that items of an electrical installation not covered by such incorporated safety standard, and the conductors between the point of supply and the point of control, shall be installed in accordance with the by-laws or regulations of the supplier concerned.

24.17.19 A registered person shall exercise general control over all electrical installation work being carried out, and no person shall allow such work without such control: Provided that where the voltage exceeds 1kV, the installation shall be designed and supervised by a person deemed competent

24.17.20 No supplier shall restrict the application of a health and safety standard when an electrical installation is installed, except where the distribution system of the supplier may be adversely affected by the application thereof.

24.18 **COVID 19 Requirements**

24.18.1 The contractor shall complete and submit to the TFR Contract Manager a declaration stating that the contractor is permitted to operate in terms of the provisions of the Disaster Management Act 2002 (Act No 57 of 2002) and Regulations, Transnet COVID-19 Guidelines and COVID-19 Occupational Health and Safety Measures in Workplaces, COVID-19 (C19 OHS), 2020 and have prepared a COVID-19 Workplace Readiness Plan and shall operate within the regulated permissions and restrictions of applicable lockdown level.

24.18.2 The contractor must ensure that all its employees are trained on the health risks and hazards associated with COVID-19 and what precautionary measures they must follow for the protection of their health, including the proper use and maintenance of PPE. They are prepared and informed regarding updated rules, hygiene and behavioural practices, complete a "return to work interview" with their line manager and sign commitment to maintain social distancing.

24.18.3 The contractor shall ensure that every employee reporting for duty is screened to ascertain whether they have any observable symptoms associated with COVID-19 and require such employee to immediately inform the contractor if he/she experiences such symptoms

24.18.4 Non-essential physical work that requires close contact between workers should be avoided where it is possible to do so.

24.18.5 Where it is practicable, every employee must be issued with own tool for use for the duration of the shift. Tools and equipment in stores should be sanitised before issued and on return to the stores.

24.18.6 Washing hands facilities must be provided on site, and where it is not available, employees should be provided with hand sanitisers. Employees should be encouraged to regularly wash their hands.

24.18.7 Alcohol testing on site should be managed in such a way that no employee is exposed to the virus and contractors must promote personal hygiene. Breathalyzer equipped with disposable mouthpieces shall be used and shall be cleaned and/or disinfected after every use.

24.18.8 All non-essential visitors to site are not allowed, only suppliers are allowed. Suppliers must be advised in advance of the COVID-19 site screening tests and required COVID-19 PPE requirements for the site.

24.18.9 Where site meetings are held, only absolutely necessary meeting participants should attend. Social distancing should be maintained.

24.18.10 The contractor shall when transporting his employees to TFR premises comply with the regulations which outlines that 70% of the vehicle capacity can be utilised.

24.18.11 The contractor shall inform the TFR Contract Manager when any of its employees working on TFR premises has been diagnosed with COVID-19. The contractor shall investigate the cause and control failure and review its risk assessment to ensure that the necessary controls and PPE requirements are in place.

24.19 Scaffolding

24.19.1 The Contractor must ensure that all scaffolding operations are carried out under the supervision of a competent person and that all erectors, team leaders and inspectors are competent to carry out their work.

24.19.2 The Contractor must ensure that scaffolding when used and erected, complies with the safety standards as per SANS 10085-1:2004 Please note that Scaffold also need to comply with Construction Regulation 12 Temporary Works.

24.19.3 All scaffolding equipment to be inspected and proclaimed safe to use or rectified as to be safe to use after any inclement weather. Signage must be posted to indicate the status of the scaffolding.

24.20 Roof Work

24.20.1 The Contractor shall ensure that, in addition to the requirements set out in clause 24.9 of this specification, it is indicated in the fall protection plan that:

- (a) the roof work has been properly planned;
- (b) the roof erectors are competent to carry out the work;
- (c) no employee is permitted to work on roofs during inclement weather conditions or if any conditions are hazardous to the health and safety of the employee;
- (d) all covers to openings and fragile material are of sufficient strength to withstand any imposed loads;
- (e) suitable and sufficient platforms, coverings or other similar means of support have been provided to be used in such a way that the weight of any person passing across or working on or from fragile material is supported; and
- (f) suitable and sufficient guard-rails, barriers and toe-boards or other similar means of protection prevent, as far as is reasonably practicable, the fall of any person, material or equipment

24.21 Ladders

- 24.21.1 A contractor shall ensure that all ladders are numbered, inspected before use and weekly inspections are recorded in a register. A contractor shall ensure that a competent person who carries the above inspections is appointed in writing.

25. Confidentiality

- 25.1 The Contractor must, at all times, consider all data or information given to him or that is required in connection with the work of the Company, as confidential and not makes unauthorized use of it.
- 25.2 He/she must ensure that such data or information is not given to any non-employee of the contractor without written consent of the TFR Contract Manager.
- 25.3 The Contractor shall be aware of the confidentiality of the mentioned information and is compelled to treat it accordingly.
- 25.4 The contractor must provide adequate physical protection for any confidential documents, etc, which were obtained from Transnet in connection with the contract work as well as any copies made thereof. If any documents or sketches are lost Transnet must be notified immediately.

ANNEXURE 1

CONTRACTOR MONTHLY SHE REPORT

For Month/Year		Name of Contractor		
Name of Contract				
Contract Number	Date of Commencement	Date of Completion		
Number of employees	Man-hours worked this Month	Cumulative (Contract duration man-hours)	Man-hours Since last Lost Time Incident (LTI)	DIFR

1. Details of SHE Incidents

Incident	This Month	Cumulative (Contract duration)	Short description of major/ significant incidents and preventative action taken
Number of fatalities			
Number of disabling incidents			
Number of Medical Treatment Cases			
Number of first aid Cases			
Number of near miss incidents			
Motor vehicle incidents			
Number of environmental incidents			
Positive substance abuse incidents			
Substandard Act/ Conditions observed			
Legal violations observed			

2. Details of SHE Meetings

Date	No of participants	Major, SHE Concerns	Action taken

3. Details of Audits/Inspections

Date	Area / Facility	Findings/Recommendations	Action taken

5. Details of any SHE Promotional activities for the month

Date	Activity	Remarks

6. Safety Communication

Month	Number of Safety talks held	Remarks

Attach separate sheets for further or other details

.....
 Name of Contractor Representative

.....
 Signature

.....
 Date

T2.2-07: Assessment Schedule - Health and Safety Requirements

Submit the following documents as a minimum with your tender:

1. The Tenderers must provide their own project specific health and safety Plan.
2. Health and safety cost breakdown (Bill of Quantities)
3. Safety, Policy signed by the Chief Executive Officer, must include or cover the following five elements –
 - Commitment to Safety, prevention of pollution,
 - Continual improvement,
 - Compliance to legal requirements, appropriate to the nature of contractor's activities,
 - Hold management accountable for development of the safety systems
 - Include objectives and targets.
4. Table or outline the Roles & Responsibilities, such as S16.2 CEO, CR8.1 Construction manager, CR8.2 Assistant Construction manager, CR8.5 Safety officer, CR8.7 Construction Supervisor, CR8.8 Construction assistant supervisor, CR9.1 Risk Assessor, 17.1 SHE Reps, etc. as per the Occupational health and safety Act 85 of 1993
5. List of job categories for project and competencies required per category and develop a training Matrix for all employees who will be working on the project. This matrix must include Management and highlight training planned
6. Overview of the project specific Baseline Risk Assessment (RA), indicating major activities of the project
7. **Three years** synopsis of SHE incidents, description, type and action taken to prevent re-occurrence.

Complete and return with tender documentation the Contractor Safety Questionnaire included as

Attached submissions to this schedule:

The valid letters of good standing are provided

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T2.2-07a Health and Safety Cost Breakdown

NB: This Safety Cost breakdown is required to illustrate to Transnet that safety costs have been factored into your tender price, and will not be paid for as a separate expense.

Tenderer (Company)	Responsible Person	Designation	Date
Project/Tender Title	Project/Tender No.	Project Location / Description	

#	Cost element	Unit Cost (R)	# of Units	Total Cost (R)
1.	Human Resources			
2.	Systems Documentation			
3.	Meetings & Administration			
4.	H&S Training			
5.	PPE & Safety Equipment			
6.	Signage & Barricading			
7.	Workplace Facilities			
8.	Emergency & Rescue Measures			
9.	Hygiene Surveys & Monitoring			
10.	Medical Surveillance			
11.	Safe Transport of Workers			
12.	HazMat Management (e.g. asbestos /silica)			
13.	Substance Abuse Testing (3 kits @R500 pm)			
14.	H&S Reward & Recognition			
15.	Other			

Total Health and Safety Estimate (R)	
Total Estimate Value (R)	
H&S Cost as % of Tender value	

T2.2-07b – Health and Safety Questionnaire

1. SAFE WORK PERFORMANCE																			
1A. Injury Experience / Historical Performance - Alberta																			
Use the previous three years injury and illness records to complete the following:																			
Year																			
Number of medical treatment cases																			
Number of restricted work day cases																			
Number of lost time injury cases																			
Number of fatal injuries																			
Total recordable frequency																			
Lost time injury frequency																			
Number of worker man hours																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">1 - Medical Treatment Case</td> <td>Any occupational injury or illness requiring treatment provided by a physician or treatment provided under the direction of a physician</td> </tr> <tr> <td>2 – Restricted Work Day Case</td> <td>Any occupational injury or illness that prevents a worker from performing any of his/her craft jurisdiction duties</td> </tr> <tr> <td>3 – Lost Time injury Cases</td> <td>Any occupational injury that prevents the worker from performing any work for at least one day</td> </tr> <tr> <td>4 – Total Recordable Frequency</td> <td>Total number of Medical Treatment, Restricted Work and Lost Time Injury cases multiplied by 200,000 then divided by total man hours</td> </tr> <tr> <td>5- Lost Time Injury Frequency</td> <td>Total number of Lost Time Injury cases multiplied by 200,000 then divide by total man hours</td> </tr> </table>				1 - Medical Treatment Case	Any occupational injury or illness requiring treatment provided by a physician or treatment provided under the direction of a physician	2 – Restricted Work Day Case	Any occupational injury or illness that prevents a worker from performing any of his/her craft jurisdiction duties	3 – Lost Time injury Cases	Any occupational injury that prevents the worker from performing any work for at least one day	4 – Total Recordable Frequency	Total number of Medical Treatment, Restricted Work and Lost Time Injury cases multiplied by 200,000 then divided by total man hours	5- Lost Time Injury Frequency	Total number of Lost Time Injury cases multiplied by 200,000 then divide by total man hours						
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- 1B. Workers' Compensation Experience																			
Use the previous three years injury and illness records to complete the following (if applicable):																			
Industry Code:		Industry Classification:																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Year</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Industry Rate</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Contractor Rate</td> <td></td> <td></td> <td></td> </tr> <tr> <td>% Discount or Surcharge</td> <td></td> <td></td> <td></td> </tr> </table>				Year				Industry Rate				Contractor Rate				% Discount or Surcharge			
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Industry Rate																			
Contractor Rate																			
% Discount or Surcharge																			
Is your Workers' Compensation account in good standing? (Please provide letter of confirmation)		<input type="checkbox"/> Yes <input type="checkbox"/> No																	
- 2. CITATIONS																			
2A.	Has your company been cited, charged or prosecuted under Health, Safety and/or Environmental Legislation in the last 5 years? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, provide details:																		
2B.	Has your company been cited, charged or prosecuted under the above Legislation in another Country, Region or State?																		

	<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, provide details:				
3. CERTIFICATE OF RECOGNITION					
Does your company have a Certificate of Recognition? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, what is the Certificate No. _____ Issue Date _____					
4. SAFETY PROGRAM					
Do you have a written safety program manual?			<input type="checkbox"/> Yes	<input type="checkbox"/> No	
If Yes, provide a copy for review					
Do you have a pocket safety booklet for field distribution?			<input type="checkbox"/> Yes	<input type="checkbox"/> No	
If Yes, provide a copy for review					
Does your safety program contain the following elements:					
	YES	NO		YES	NO
CORPORATE SAFETY POLICY	<input type="checkbox"/>	<input type="checkbox"/>	EQUIPMENT MAINTENANCE	<input type="checkbox"/>	<input type="checkbox"/>
INCIDENT NOTIFICATION POLICY	<input type="checkbox"/>	<input type="checkbox"/>	EMERGENCY RESPONSE	<input type="checkbox"/>	<input type="checkbox"/>
RECORDKEEPING & STATISTICS	<input type="checkbox"/>	<input type="checkbox"/>	HAZARD ASSESSMENT	<input type="checkbox"/>	<input type="checkbox"/>
REFERENCE TO LEGISLATION	<input type="checkbox"/>	<input type="checkbox"/>	SAFE WORK PRACTICES	<input type="checkbox"/>	<input type="checkbox"/>
GENERAL RULES & REGULATIONS	<input type="checkbox"/>	<input type="checkbox"/>	SAFE WORK PROCEDURES	<input type="checkbox"/>	<input type="checkbox"/>
PROGRESSIVE DISCIPLINE POLICY	<input type="checkbox"/>	<input type="checkbox"/>	WORKPLACE INSPECTIONS	<input type="checkbox"/>	<input type="checkbox"/>
RESPONSIBILITIES	<input type="checkbox"/>	<input type="checkbox"/>	INVESTIGATION PROCESS	<input type="checkbox"/>	<input type="checkbox"/>
PPE STANDARDS	<input type="checkbox"/>	<input type="checkbox"/>	TRAINING POLICY & PROGRAM	<input type="checkbox"/>	<input type="checkbox"/>
ENVIRONMENTAL STANDARDS	<input type="checkbox"/>	<input type="checkbox"/>	COMMUNICATION PROCESSES	<input type="checkbox"/>	<input type="checkbox"/>
MODIFIED WORK PROGRAM	<input type="checkbox"/>	<input type="checkbox"/>			
5. TRAINING PROGRAM					
5A.	Do you have an orientation program for new hire employees?			<input type="checkbox"/> Yes	<input type="checkbox"/> No
	If Yes, include a course outline. Does it include any of the following:				
	YES	NO		YES	NO
GENERAL RULES & REGULATIONS	<input type="checkbox"/>	<input type="checkbox"/>	CONFINED SPACE ENTRY	<input type="checkbox"/>	<input type="checkbox"/>
EMERGENCY REPORTING	<input type="checkbox"/>	<input type="checkbox"/>	TRENCHING & EXCAVATION	<input type="checkbox"/>	<input type="checkbox"/>
INJURY REPORTING	<input type="checkbox"/>	<input type="checkbox"/>	SIGNS & BARRICADES	<input type="checkbox"/>	<input type="checkbox"/>
LEGISLATION	<input type="checkbox"/>	<input type="checkbox"/>	DANGEROUS HOLES & OPENINGS	<input type="checkbox"/>	<input type="checkbox"/>
RIGHT TO REFUSE WORK	<input type="checkbox"/>	<input type="checkbox"/>	RIGGING & CRANES	<input type="checkbox"/>	<input type="checkbox"/>
PERSONAL PROTECTIVE EQUIPMENT	<input type="checkbox"/>	<input type="checkbox"/>	MOBILE VEHICLES	<input type="checkbox"/>	<input type="checkbox"/>
EMERGENCY PROCEDURES	<input type="checkbox"/>	<input type="checkbox"/>	PREVENTATIVE MAINTENANCE	<input type="checkbox"/>	<input type="checkbox"/>
PROJECT SAFETY COMMITTEE	<input type="checkbox"/>	<input type="checkbox"/>	HAND & POWER TOOLS	<input type="checkbox"/>	<input type="checkbox"/>
HOUSEKEEPING	<input type="checkbox"/>	<input type="checkbox"/>	FIRE PREVENTION & PROTECTION	<input type="checkbox"/>	<input type="checkbox"/>
LADDERS & SCAFFOLDS	<input type="checkbox"/>	<input type="checkbox"/>	ELECTRICAL SAFETY	<input type="checkbox"/>	<input type="checkbox"/>

FALL ARREST STANDARDS	<input type="checkbox"/>	<input type="checkbox"/>	COMPRESSED GAS CYLINDERS	<input type="checkbox"/>	<input type="checkbox"/>
AERIAL WORK PLATFORMS	<input type="checkbox"/>	<input type="checkbox"/>	WEATHER EXTREMES	<input type="checkbox"/>	<input type="checkbox"/>

5B. Do you have a program for training newly hired or promoted supervisors? ☐ Yes ☐ No
 (If Yes, submit an outline for evaluation. Does it include instruction on the following:

	Yes	No		Yes	No
EMPLOYER RESPONSIBILITIES	<input type="checkbox"/>	<input type="checkbox"/>	SAFETY COMMUNICATION	<input type="checkbox"/>	<input type="checkbox"/>
EMPLOYEE RESPONSIBILITIES	<input type="checkbox"/>	<input type="checkbox"/>	FIRST AID/MEDICAL PROCEDURES	<input type="checkbox"/>	<input type="checkbox"/>
DUE DILIGENCE	<input type="checkbox"/>	<input type="checkbox"/>	NEW WORKER TRAINING	<input type="checkbox"/>	<input type="checkbox"/>
SAFETY LEADERSHIP	<input type="checkbox"/>	<input type="checkbox"/>	ENVIRONMENTAL REQUIREMENTS	<input type="checkbox"/>	<input type="checkbox"/>
WORK REFUSALS	<input type="checkbox"/>	<input type="checkbox"/>	HAZARD ASSESSMENT	<input type="checkbox"/>	<input type="checkbox"/>
INSPECTION PROCESSES	<input type="checkbox"/>	<input type="checkbox"/>	PRE-JOB SAFETY INSTRUCTION	<input type="checkbox"/>	<input type="checkbox"/>
EMERGENCY PROCEDURES	<input type="checkbox"/>	<input type="checkbox"/>	DRUG & ALCOHOL POLICY	<input type="checkbox"/>	<input type="checkbox"/>
INCIDENT INVESTIGATION	<input type="checkbox"/>	<input type="checkbox"/>	PROGRESSIVE DISCIPLINARY POLICY	<input type="checkbox"/>	<input type="checkbox"/>
SAFE WORK PROCEDURES	<input type="checkbox"/>	<input type="checkbox"/>	SAFE WORK PRACTICES	<input type="checkbox"/>	<input type="checkbox"/>
SAFETY MEETINGS	<input type="checkbox"/>	<input type="checkbox"/>	NOTIFICATION REQUIREMENTS	<input type="checkbox"/>	<input type="checkbox"/>

6. SAFETY ACTIVITIES

Do you conduct safety inspections? Yes No Weekly Monthly Quarterly
☐ ☐ ☐ ☐ ☐

Describe your safety inspection process (include participation, documentation requirements, follow-up, report distribution).

Who follows up on inspection action items? _____

Do you hold site safety meetings for field employees? If Yes, how often?
Yes No Daily Weekly Biweekly
☐ ☐ ☐ ☐ ☐

Do you hold site meetings where safety is addressed with management and field supervisors?
Yes No Weekly Biweekly Monthly
☐ ☐ ☐ ☐ ☐

Is pre-job safety instruction provided before to each new task? ☐ Yes ☐ No

Is the process documented? ☐ Yes ☐ No

Who leads the discussion? _____

Do you have a hazard assessment process? ☐ Yes ☐ No

- Are hazard assessments documented? If yes, how are hazard assessments communicated and implemented on each project? Who is responsible for leading the hazard assessment process?

Does your company have policies and procedures for environmental protection, spill clean-up, reporting, waste disposal, and recycling as part of the Health & Safety Program?

<input type="checkbox"/> Yes <input type="checkbox"/> No																																									
How does your company measure its H&S success? <ul style="list-style-type: none"> • Attach separate sheet to explain 																																									
7. SAFETY STEWARDSHIP																																									
7A	Are incident reports and report summaries sent to the following and how often? <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 10%;">Yes</th> <th style="width: 10%;">No</th> <th style="width: 10%;">Monthly</th> <th style="width: 10%;">Quarterly</th> <th style="width: 10%;">Annually</th> </tr> </thead> <tbody> <tr> <td>Project/Site Manager</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Managing Director</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Safety Director/Manager</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>/Chief Executive Officer</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table>						Yes	No	Monthly	Quarterly	Annually	Project/Site Manager	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Managing Director	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Safety Director/Manager	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	/Chief Executive Officer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
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/Chief Executive Officer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																				
7B	How are incident records and summaries kept? How often are they reported internally? <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 10%;">Yes</th> <th style="width: 10%;">No</th> <th style="width: 10%;">Monthly</th> <th style="width: 10%;">Quarterly</th> <th style="width: 10%;">Annually</th> </tr> </thead> <tbody> <tr> <td>Incidents totaled for the entire company</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Incidents totaled by project</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>• Subtotaled by superintendent</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>• Subtotaled by foreman</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table>						Yes	No	Monthly	Quarterly	Annually	Incidents totaled for the entire company	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Incidents totaled by project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	• Subtotaled by superintendent	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	• Subtotaled by foreman	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
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• Subtotaled by foreman	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																				
7C	How are the costs of individual incidents kept? How often are they reported internally? <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 10%;">Yes</th> <th style="width: 10%;">No</th> <th style="width: 10%;">Monthly</th> <th style="width: 10%;">Quarterly</th> <th style="width: 10%;">Annually</th> </tr> </thead> <tbody> <tr> <td>Costs totaled for the entire company</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Costs totaled by project</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>• Subtotaled by superintendent</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>• Subtotaled by foreman/general foreman</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table>						Yes	No	Monthly	Quarterly	Annually	Costs totaled for the entire company	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Costs totaled by project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	• Subtotaled by superintendent	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	• Subtotaled by foreman/general foreman	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
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• Subtotaled by foreman/general foreman	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																				
7D	Does your company track non-injury incidents? <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 10%;">Yes</th> <th style="width: 10%;">No</th> <th style="width: 10%;">Monthly</th> <th style="width: 10%;">Quarterly</th> <th style="width: 10%;">Annually</th> </tr> </thead> <tbody> <tr> <td>Near Miss</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Property Damage</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Fire</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Security</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Environmental</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table>						Yes	No	Monthly	Quarterly	Annually	Near Miss	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Property Damage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fire	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Security	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Environmental	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																				
Environmental	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																				
8 PERSONNEL																																									
List key health and safety officers planned for this project. Attach resume.																																									
Name		Position/Title		Designation																																					
Supply name, address and phone number of your company's corporate health and safety representative. Does this individual have responsibilities other than health, safety and environment?																																									
Name		Address		Telephone Number																																					
Other responsibilities:																																									
9 REFERENCES																																									

List the last three company's your form has worked for that could verify the quality and management commitment to your occupational Health & Safety program		
Name and Company	Address	Phone Number

Signed Date

Name Position

Tenderer

T2.2-08: Assessment Schedule: Environmental Management Plan

The tenderer must provide an environmental management plan describing:-

- Key environmental impacts and aspects associated with the proposed project.
- Possible mitigation measures associated with identified impacts and aspects.
- Key roles and responsibilities for both the Tender's project team and Transnet with regards to the project.
- Monitoring techniques and reporting of both accidents and incidents.
- Details of induction and other forms of training and EMP awareness (if any).

The following documents are key -

1.0 Transnet SOC Limited – Integrated Management Systems (IMS) Policy,

1.1 By signing this Tender Schedule, the tenderer confirms that they will comply with the above policy statement and environmental commitments therein.

1.2 Tender to provide a signed declaration of understanding as part of the returnable acknowledging understanding thereof and the budget provision for the implementation of environmental management requirements.

By signing this Tender Schedule, the tenderer confirms that they will **comply** with the above requirements and in particular Transnet Freight Rail IMS policy statement and environmental commitments therein.

The assessment of the Tenderer's Environmental Management Plan will be as follows:

Key Environmental Impacts and Possible Mitigation Measures	
	Assessment Feedback
The EMP is not submitted by the bidder.	
EMP with zero/no key impacts and mitigation measures specific to the project	
EMP contains 1-3 key impacts and mitigation measures specific to the project.	
EMP contains 4-6 key impacts and mitigation measures specific to the project.	
EMP contains 7-9 key reasonable and relevant impacts and mitigation measures specific to the project.	
EMP contains 10 and more key reasonable and relevant impacts and mitigation measures specific to	

the project, which meet and exceed tender requirements.	
Key Roles and Responsibilities	
	Assessment Feedback
The EMP is not submitted by the bidder.	
EMP with zero/no key roles and responsibilities specific to the project.	
EMP contains 1-3 key reasonable and relevant roles and responsibilities specific to the project.	
EMP contains 4-6 key reasonable and relevant roles and responsibilities specific to the project.	
EMP contains 7-9 key reasonable and relevant roles and responsibilities specific to the project.	
EMP contains 10 and more key reasonable and relevant roles and responsibilities specific to the project, which meet and exceed tender expectations.	

Environmental Monitoring, Training and Reporting	
	Assessment Feedback
The EMP is not submitted by the bidder.	
EMP with zero/no monitoring techniques, no training and no form of reporting.	
Tenderer did not demonstrate understanding of the project scope and provided irrelevant information on monitoring techniques, training methods and types of reports.	
Tenderer understood the project scope but provided relevant but less detailed information on monitoring techniques, training methods and types of reports.	
Tenderer understood the project scope and identified relevant monitoring techniques, relevant training methods and relevant reports.	
Tenderer understood the project scope and addresses critical aspects with regards to monitoring, training and reporting which meets and exceeds tender requirements .	

Attached submissions to this schedule:

See EMP comments above.

Signed _____ Date _____

Name _____ Position _____

Tenderer _____

T2.2-09: Changes to Tender Document

Changes to the tender documents are only allowed if a main tender complying fully with the tender documents has also been provided.

Do not return this schedule if no alternative tender is submitted.

The Conditions of Tender state that the tenderer may:

- C.2.12.1** Submit alternative tender offers only if a main tender offer, strictly in accordance with all the requirements of the tender documents, is also submitted. The alternative tender offer is to be submitted with the main tender offer together with a schedule that compares the requirements of the tender documents with the alternative requirements the tenderer proposes.
- C.2.12.2** Accept that an alternative tender offer may be based only on the criteria stated in the tender data or criteria otherwise acceptable to the employer.

Having examined the criteria stated in the Tender Data for this tender the proposed changes to the tender documents are:

Document No.	Subject of the proposed change	Propose to change to:

Signed

Date

Name

Position

Tenderer

T2.2-10: Availability of Equipment and Other Resources

The Tenderer to submit a list of all Equipment and other resources that will be used to execute the *services* as described in the Service Information.

Equipment Type and Availability – Description	Hourly Rate	Number of Equipment	Details of Ownership

Signed _____ Date _____

Name _____ Position _____

Tenderer _____

Tenderers to indicate their Affected Property establishment area requirements:

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

Date

Position

Position

T2.2-11: Authority to submit a Tender

Indicate the status of the tenderer by ticking the appropriate box hereunder. The tenderer must complete the certificate set out below for his category of organisation or alternatively attach a certified copy of a company / organisation document which provides the same information for the relevant category as requested here.

A - COMPANY	B - PARTNERSHIP	C - JOINT VENTURE	D - SOLE PROPRIETOR

A. Certificate for Company

I, _____ chairperson of the board of directors _____
 _____, hereby confirm that by resolution of the board taken on _____
 _____ (date), Mr/Ms _____, acting in the capacity of _____
 _____, was authorised to sign all documents in connection with this tender
 offer and any contract resulting from it on behalf of the company.

Signed

Date

Name

Position

Chairman of the Board of Directors

B. Certificate for Partnership

We, the undersigned, being the **key partners** in the business trading as _____
_____ hereby authorise Mr/Ms _____ acting in the
capacity of _____, to sign all documents in connection with the tender
offer for Contract _____ and any contract resulting from it on our behalf.

Name	Address	Signature	Date

NOTE: This certificate is to be completed and signed by the full number of Partners necessary to commit the Partnership. Attach additional pages if more space is required.

C. Certificate for Joint Venture

We, the undersigned, are submitting this tender offer in Joint Venture and hereby authorise Mr/Ms

_____, an authorised signatory of the company _____

_____, acting in the capacity of lead partner, to sign all documents in connection with the tender offer for Contract _____ and any contract resulting from it on our behalf.

This authorisation is evidenced by the attached power of attorney signed by legally authorised signatories of all the partners to the Joint Venture.

Furthermore we attach to this Schedule a copy of the joint venture agreement which incorporates a statement that all partners are liable jointly and severally for the execution of the contract and that the lead partner is authorised to incur liabilities, receive instructions and payments and be responsible for the entire execution of the contract for and on behalf of any and all the partners.

Name of firm	Address	Authorising signature, name (in caps) and capacity

D. Certificate for Sole Proprietor

I, _____, hereby confirm that I am the sole owner of the business
trading as _____.

Signed

Date

Name

Position

Sole Proprietor

T2.2-12: Record of Addenda to Tender Documents

This schedule as submitted confirms that the following communications received from the *Employer* before the submission of this tender offer, amending the tender documents, have been taken into account in this specific tender offer:

	Date	Title or Details
1		
2		
3		
4		
5		
6		
7		
8		
9		

Attach additional pages if more space is required.

Signed Date

Name Position

Tenderer

T2.2-13 Letter/s of Good Standing with the Workmen's compensation

Fund

Attached to this schedule is the Letter/s of Good Standing.

- 1.
- 2.
- 3.
- 4.

Name of Company/Members of Joint Venture:

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

T2.2-14 Proposed Sub-Contractors

Tenderer to note that if successful, any deviations from the list of proposed sub-contractors in the contract phase will be subject to acceptance by the *Service Manager* in terms of the Conditions of Contract. Please also note the applicable Z clauses in Contract Data by *Employer*.

Provide **detailed information** of the proposed Sub-contractors below:

	Name of proposed Sub-contractor	Proposed Sub-contractor National Treasury Central Supplier Database Registration Number Address and Region	Nature and extent of work	B-BBEEE Certificates or Sworn Affidavit attached behind this schedule? Yes/No	Percentage (%) of the sub-contracted works in terms of the tendered total of the prices.
1.					
2.					
3.					
4.					
5.					
6.					
7.					

T2.2-15: ANNEX G Compulsory Enterprise Questionnaire

The following particulars hereunder must be furnished.

In the case of a Joint Venture, separate enterprise questionnaires in respect of each partner/member must be completed and submitted.

Section 1: Name of enterprise: _____

Section 2: VAT registration number, if any: _____

Section 3: CIDB registration number, if any: _____

Section 4: CSD number: _____

Section 5: Particulars of sole proprietors and partners in partnerships

Name	Identity number	Personal income tax number

* Complete only if sole proprietor or partnership and attach separate page if more than 3 partners

Section 6: Particulars of companies and close corporations

Company registration number _____

Close corporation number _____

Tax reference number: _____

Section 7: The attached SBD4 must be completed for each tender and be attached as a tender requirement.

Section 8: The attached SBD 6 must be completed for each tender and be attached as a requirement.

The undersigned, who warrants that he / she is duly authorised to do so on behalf of the enterprise:

- i) authorizes the Employer to obtain a tax clearance certificate from the South African Revenue Services that my / our tax matters are in order;
- ii) confirms that the neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004;
- iii) confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;
- iv) confirms that I / we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest; and
- v) confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.

Signed

Date

Name

Position

Enterprise
name

SBD 6.1

PREFERENCE POINTS CLAIM FORM

This preference form must form part of all bids invited. It contains general information and serves as a claim for preference points for Specific Goals contribution. Transnet will award preference points to companies who provide valid proof of evidence as per the table of evidence in paragraph 4.1 below.

1. GENERAL CONDITIONS

- 1.1 The following preference point systems are applicable to all bids:
- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
 - the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).
- 1.2 The value of this bid is estimated to not exceed R50 000 000 (all applicable taxes included) and therefore the 80/20 preference point system shall be applicable. Despite the stipulated preference point system, Transnet shall use the lowest acceptable bid to determine the applicable preference point system in a situation where all received acceptable bids are received outside the stated preference point system.
- 1.3 Preference points for this bid shall be awarded for:
- (a) Price;
 - (b) B-BBEE Status Level of Contribution; and
 - (c) Any other specific goal determined in the Transnet preferential procurement policy
- 1.4 The maximum points for this bid are allocated as follows:

	POINTS
PRICE	80
B-BBEE STATUS LEVEL OF CONTRIBUTION Level 1 or 2	10
AT LEAST 50% BLACK YOUTH OWNED ENTITIES	10
Total points for Price and B-BBEE must not exceed	100

- 1.5 Failure on the part of a bidder to submit proof of evidence required for any of the specific goals together with the bid will be interpreted to mean that preference points for that specific goal are not claimed.
- 1.6 The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.

2. DEFINITIONS

- (a) **"all applicable taxes"** includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;
- (b) **"B-BBEE"** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- (c) **"B-BBEE status level of contributor"** means the B-BBEE status received by a measured entity based on its overall performance using the relevant scorecard contained in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- (d) **"bid"** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the supply/provision of services, works or goods, through price quotations, advertised competitive bidding processes or proposals;
- (e) **"Broad-Based Black Economic Empowerment Act"** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (f) **"EME"** means an Exempted Micro Enterprise as defines by Codes of Good Practice under section 9 (1) of the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (g) **"functionality"** means the ability of a bidder to provide goods or services in accordance with specification as set out in the bid documents
- (h) **"Price"** includes all applicable taxes less all unconditional discounts.
- (i) **"Proof of B-BBEE Status Level of Contributor"**
 - i) the B-BBEE status level certificate issued by an authorised body or person;
 - ii) a sworn affidavit as prescribed by the B-BBEE Codes of Good Practice; or
 - iii) any other requirement prescribed in terms of the B-BBEE Act.
- (j) **"QSE"** means a Qualifying Small Enterprise as defines by Codes of Good Practice under section 9 (1) of the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (k) **"rand value"** means the total estimated value of a contract in South African currency, calculated at the time of bid invitations, and includes all applicable taxes and excise duties.
- (l) **"Specific goals"** means targeted advancement areas or categories of persons or groups either previously disadvantaged or falling within the scope of the Reconstruction and Development Programme identified by Transnet to be given preference in allocation of procurement contracts in line with section 2(1) of the PPPFA.

3. POINTS AWARDED FOR PRICE

3.1 THE 80/20 PREFERENCE POINT SYSTEMS

A maximum of 80 points is allocated for price on the following basis:

80/20

$$P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

Where

P_s = Points scored for comparative price of bid under consideration

P_t = Comparative price of bid under consideration

P_{\min} = Comparative price of lowest acceptable bid

4. EVIDENCE REQUIRED FOR CLAIMING SPECIFIC GOALS

- 4.1 In terms of Transnet Preferential Procurement Policy (TPPP) and Procurement Manuals, preference points must be awarded to a bidder for providing evidence in accordance with the table below::

Specific Goals	Acceptable Evidence
B-BBEE Status contributor	B-BBEE Certificate / Sworn- Affidavit / B-BBEE CIPC Certificate (in case of JV, a consolidated scorecard will be accepted) as per DTIC guideline
30% Black Women Owned Entities	B-BBEE Certificate / Sworn- Affidavit / B-BBEE CIPC Certificate (in case of JV, a consolidated scorecard will be accepted) as per DTIC guideline
+50% Black Youth Owned Entities	Certified copy of ID Documents of the Owners and B-BBEE Certificate / Sworn- Affidavit / B-BBEE CIPC Certificate (in case of JV, a consolidated scorecard will be accepted) as per DTIC guideline
Entities Owned by People with Disability (PWD)	Certified copy of ID Documents of the Owners / Doctor's note and /or EEA1 form confirming the disability
Entities/Black People living in rural areas	Entity 's Municipal/ESKOM bill or letter from Induna/chief confirming residential address not older than 3 months.
South African Enterprises	CIPC Certificate
EME or QSE 51% Black Owned	B-BBEE Certificate / Sworn-Affidavit / CIPC Certificate
Entities that are 51 % Black Owned	CI B-BBEE Certificate / Sworn- Affidavit / B-BBEE CIPC Certificate (in case of JV, a consolidated scorecard will be accepted) as per DTIC guideline
Promoting exports Orientated for Job creation	Section.....Job Creation Schedule Returnable documents
Local Content and Local Production	Returnable Local Content and production Annexures
NIPP	NIPP Returnable documents
Creation of new jobs and labour intensification	Section.....Job Creation Schedule Returnable documents
The promotion of supplier development through sub-contracting or JV for a minimum of 30% of the value of a contract to South African Companies which are: I. 30% Black Women, 51% Black Youth and 51% Black people with disabilities II. Entities with a specified minimum B-BBEE level (1 and 2)	Sub-contracting agreements and Declaration / Joint Venture Agreement and CIPC – B-BBEE Certificate / Sworn- Affidavit / B-BBEE CIPC Certificate as per DTIC guideline

III. EMEs and/or QSEs who are 51% black-owned	
The promotion of enterprises located in a specific province/region/municipal area for work to be done or services to be rendered in that province/region/municipal area	CIPC – B-BBEE Certificate / Sworn- Affidavit / B-BBEE CIPC Certificate (in case of JV, a consolidated scorecard will be accepted) as per DTIC guidelines and Proof Registered address of entity

4.2 The table below indicates the required proof of B-BBEE status depending on the category of enterprises:

Enterprise	B-BBEE Certificate & Sworn Affidavit
Large	Certificate issued by SANAS accredited verification agency
QSE	Certificate issued by SANAS accredited verification agency Sworn Affidavit signed by the authorised QSE representative and attested by a Commissioner of Oaths confirming annual turnover and black ownership (only black-owned QSEs - 51% to 100% Black owned) [Sworn affidavits must substantially comply with the format that can be obtained on the DTI's website at www.dti.gov.za/economic_empowerment/bee_codes.jsp .]
EME	Sworn Affidavit signed by the authorised EME representative and attested by a Commissioner of Oaths confirming annual turnover and black ownership Certificate issued by CIPC (formerly CIPRO) confirming annual turnover and black ownership Certificate issued by SANAS accredited verification agency only if the EME is being measured on the QSE scorecard

- 4.3 A trust, consortium or joint venture (including unincorporated consortia and joint ventures) must submit a consolidated B-BBEE Status Level verification certificate for every separate bid.
- 4.4 Tertiary Institutions and Public Entities will be required to submit their B-BBEE status level certificates in terms of the specialized scorecard contained in the B-BBEE Codes of Good Practice.
- 4.5 A person will not be awarded points for B-BBEE status level if it is indicated in the bid documents that such a bidder intends sub-contracting more than 25% of the value of the contract to any other enterprise that does not qualify for at least the points that such a bidder qualifies for, unless the intended sub-contractor is an EME that has the capability and ability to execute the sub-contract.
- 4.6 A person awarded a contract may not sub-contract more than 25% of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned, unless the contract is sub-contracted to an EME that has the capability and ability to execute the sub-contract.

- 4.7 Bidders are to note that the rules pertaining to B-BBEE verification and other B-BBEE requirements may be changed from time to time by regulatory bodies such as National Treasury or the DTI. It is the Bidder's responsibility to ensure that his/her bid complies fully with all B-BBEE requirements at the time of the submission of the bid.

5. BID DECLARATION

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

6. B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 6.1

- 6.1 B-BBEE Status Level of Contribution: . =(maximum of 20 points)
 (Points claimed in respect of paragraph 6.1 must be in accordance with the table reflected in paragraph 4.1 and must be substantiated by relevant proof of B-BBEE status level of contributor.

7. SUB-CONTRACTING

- 7.1 Will any portion of the contract be sub-contracted?

(Tick applicable box)

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

- 7.1.1 If yes, indicate:

- i) What percentage of the contract will be subcontracted.....%
- ii) The name of the sub-contractor.....
- iii) The B-BBEE status level of the sub-contractor.....
- iv) Whether the sub-contractor is an EME or QSE.

(Tick applicable box)

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

8. DECLARATION WITH REGARD TO COMPANY/FIRM

8.1 Name of company/firm:.....

8.2 VAT registration number:.....

8.3 Company registration number:.....

8.4 TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
- ☐ One person business/sole propriety
- ☐ Close corporation
- ☐ Company
- ☐ (Pty) Limited

[TICK APPLICABLE BOX]

8.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....

8.6 COMPANY CLASSIFICATION

- ☐ Manufacturer
- ☐ Supplier
- ☐ Professional Supplier/Service provider
- ☐ Other Suppliers/Service providers, e.g. transporter, etc.

[TICK APPLICABLE BOX]

8.7 Total number of years the company/firm has been in business:.....

8.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contribution indicated in paragraphs 1.4 and 6.1 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraph 1.4 and 6.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- iv) If a bidder submitted false information regarding its B-BBEE status level of contributor,, which will affect or has affected the evaluation of a bid, or where a bidder has failed to declare any subcontracting arrangements or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have

(a) disqualify the person from the bidding process;

- (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
- (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
- (d) if the successful bidder subcontracted a portion of the bid to another person without disclosing it, Transnet reserves the right to penalise the bidder up to 10 percent of the value of the contract;
- (e) recommend that the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury from obtaining business from any organ of state for a period not exceeding 10 years, after the audi alteram partem (hear the other side) rule has been applied; and
- (f) forward the matter for criminal prosecution.

<p>WITNESSES</p> <p>1.</p> <p>2.</p>	<p>.....</p> <p style="text-align: center;">SIGNATURE(S) OF BIDDERS(S)</p> <p>DATE:.....</p> <p>ADDRESS</p> <p>.....</p>
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BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

Where a person/s are listed in the Register for Tender Defaulters and / or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

2. Bidder's declaration

- 2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest¹ in the enterprise, employed by the state? **YES/NO**
- 2.1.1 If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

Full Name	Identity Number	Name of State institution

2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution? **YES/NO**

2.2.1 If so, furnish particulars:

.....

2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract?
YES/NO

2.3.1 If so, furnish particulars:

.....

3 DECLARATION

I, the undersigned,
 (name)..... in submitting the
 accompanying bid, do hereby make the following statements that I certify to be true
 and complete in every respect:

- 3.1 I have read and I understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium² will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications,

² Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

- prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.4 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
- 3.5 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.
- 3.6 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
Signature	Date
.....
Position	Name of bidder

T2.2-16: Supplier Code of Conduct

Transnet SOC Limited aims to achieve the best value for money when buying or selling goods 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 supplier dealing with Transnet must understand and support. These are:

- The Transnet Procurement Policy – A guide for Tenderers.
- 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 (BBBEE)
- The Prevention and Combating of Corrupt Activities Act (PRECCA); and
- The Construction Industry Development Board Act (CIDB Act).

This code of conduct has been included in this contract to formally appraise Transnet Suppliers of Transnet's expectations regarding behaviour and conduct of its Suppliers.

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

Transnet is in the process of transforming itself into a self-sustaining State Owned Enterprise, 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 SOC Limited will not participate in corrupt practices. Therefore, it expects its suppliers 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 suppliers.
- Employees must not accept or request money or anything of value, directly or indirectly, from suppliers.
- Employees may not receive anything that is calculated 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 person involved in sourcing decisions; or

- Gain an improper advantage.

- There may be times when a supplier is confronted with fraudulent or corrupt behaviour of Transnet employees. We expect our Suppliers to use our “Tip-offs Anonymous” Hot line to report these acts. (0800 003 056).

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

- Suppliers are expected to comply with all applicable laws and regulations regarding fair competition and antitrust practices.
- Transnet does not engage with non-value adding agents or representatives solely for the purpose of increasing BBBEE spend (fronting).

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

- Generally, suppliers have their own business standards and regulations. Although Transnet cannot control the actions of our suppliers, we will not tolerate any illegal activities. These include, but are not limited to:
 - Misrepresentation of their product (origin of manufacture, specifications, intellectual property rights, etc);
 - Collusion;
 - Failure to disclose accurate information required during the sourcing activity (ownership, financial situation, BBBEE status, etc.);
 - Corrupt activities listed above; and
 - Harassment, intimidation or other aggressive actions towards Transnet employees.
- Suppliers must be evaluated and approved before any materials, components, products or services are purchased from them. Rigorous due diligence is conducted and the supplier is expected to participate in an honest and straight forward manner.
- Suppliers 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 SOC Limited.

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

Where possible, contracts will be negotiated to include the above in the terms of such contracts. To the extent such terms are not included in contractual obligations and any of the above code is breached, then Transnet reserves its right to review doing business with these suppliers.

I, _____ of _____
(insert name of Director or as per Authority Resolution from Board of Directors) *(insert name of Company)*

hereby acknowledge having read, understood and agree to the terms and conditions set out in the "Transnet Supplier Code of Conduct."

Signed this on day _____ at _____

Signature

T2.2-17: Unilateral Non-Disclosure Agreement

Note to tenderers: This Non-Disclosure Agreement is to be completed and signed by an authorised signatory:

THIS AGREEMENT is made effective as of day of 20..... by and between:

TRANSNET SOC LTD

(Registration No. 1990/000900/30), a company incorporated and existing under the laws of South Africa, having its principal place of business at 2nd Floor, Waterfall Business Estate, 9 Country Estate Drive, Midrand, 1662, South Africa

and

.....
(Registration No.), a private company incorporated and existing under the laws of South Africa having its principal place of business 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 Tender 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** (hereinafter Tender) 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:
- 1.3.1 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
 - 1.3.2 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
 - 1.3.3 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 Tender or for the subsequent performance of any contract between the parties in relation to the Tender.
- 2.3 Notwithstanding clause 2.1 above, the Receiving Party may disclose Confidential Information:
- 2.3.1 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

- 2.3.2 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 2.3.2 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:
- 3.3.1 return all written Confidential Information [including all copies]; and
- 3.3.2 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 3.3.2 above.

4. ANNOUNCEMENTS

- 4.1 Neither party will make or permit to be made any announcement or disclosure of its prospective interest in the Tender 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 Tender 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 Tender 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 Section 14 of the Bill of Rights in connection with this Tender 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 Tender 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.

Signed

Date

Name

Position

Tenderer

T2.2-18: Supplier declaration form

Respondents are to furnish the following documentation and complete the Supplier Declaration Form below:

1. **Original or certified** cancelled cheque **OR** letter from the Respondent's bank verifying banking details [**with bank stamp**]
2. **Certified copy** of Identity Document(s) of Shareholders/Directors/Members [*where applicable*]
3. **Certified copy** of Certificate of Incorporation, CM29 / CM9 [*name change*]
4. **Certified copy** of Share Certificates [CK1/CK2 if CC]
5. Original or certified letterhead confirm physical and postal addresses
6. **Original or certified** valid SARS Tax Clearance Certificate [RSA entities only]
7. **Certified copy** of VAT Registration Certificate [RSA entities only]
8. A signed letter from your entity's auditor or accountant confirming most recent annual turnover figures or certified BBBEE certificate
9. **Certified copy** of valid Company Registration Certificate [*if applicable*]

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

Note: No agreement 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)							
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.	

T2.2-19: RFQ declaration form

NAME OF COMPANY: _____

We _____ do hereby certify that:

1. Transnet has supplied and we have received appropriate tender offers to any/all questions (as applicable) which were submitted by ourselves for tender clarification purposes;
2. we have received all information we deemed necessary for the completion of this Tender;
3. at no stage have we received additional information relating to the subject matter of this tender from Transnet sources, other than information formally received from the designated Transnet contact(s) as nominated in the tender documents;
4. we are satisfied, insofar as our company is concerned, that the processes and procedures adopted by Transnet in issuing this tender and the requirements requested from tenderers in responding to this tender have been conducted in a fair and transparent manner; and
5. furthermore, we acknowledge that a direct relationship exists between a family member and/or an owner / member / director / partner / shareholder (unlisted companies) of our company and an employee or board member of the Transnet Group as indicated below: *[Respondent to indicate if this section is not applicable]*

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 your response and may preclude a Respondent from doing future business with Transnet]

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 company in the forthcoming adjudication process, we shall notify Transnet immediately in writing of such circumstances.

6. We accept that any dispute pertaining to this tender 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" below).

7. We further accept that Transnet reserves the right to reverse a tender award 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.
8. We have acquainted ourselves and agree with the content of T2.2-39 "Service Provider Integrity Pact".

For and on behalf of duly authorised thereto
Name:
Signature:
Date:

IMPORTANT NOTICE TO TENDERERS

- Transnet has appointed a Procurement Ombudsman to investigate any material complaint in respect of tenders exceeding R5,000,000.00 (five million S.A. Rand) in value. Should a Tenderer have any material concern regarding an tender process which meets this value threshold, a complaint may be lodged with Transnet's Procurement Ombudsman for further investigation.
- It is incumbent on the Tenderer 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 Tenderers 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 tenderer on its List of Excluded Bidders.

T2.2-20 Certificate of Acquaintance with Tender Documents

NAME OF TENDERING ENTITY:

1. By signing this certificate I/we acknowledge that I/we have made myself/ourselves thoroughly familiar with, and agree with all the conditions governing this RFP. This includes those terms and conditions of the Contract, the Supplier Integrity Pact, Non-Disclosure Agreement etc. contained in any printed form stated to form part of the documents thereof, but not limited to those listed in this clause.
2. 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 tender/contract condition or failed to take it into account for the purpose of calculating my/our offered prices or otherwise.
3. I/we understand that the accompanying Tender will be disqualified if this Certificate is found not to be true and complete in every respect.
4. For the purposes of this Certificate and the accompanying Tender, I/we understand that the word "competitor" shall include any individual or organisation, other than the Tenderer, whether or not affiliated with the Tenderer, who:
 - a) has been requested to submit a Tender in response to this Tender invitation;
 - b) could potentially submit a Tender in response to this Tender invitation, based on their qualifications, abilities or experience; and
 - c) provides the same Services as the Tenderer and/or is in the same line of business as the Tenderer
5. The Tenderer has arrived at the accompanying Tender independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium will not be construed as collusive Tendering.
6. In particular, without limiting the generality of paragraph 5 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - a) prices;
 - b) geographical area where Services will be rendered [market allocation]
 - c) methods, factors or formulas used to calculate prices;

- d) the intention or decision to submit or not to submit, a Tender;
 - e) the submission of a tender which does not meet the specifications and conditions of the tender;
or
 - f) Tendering with the intention not winning the tender.
7. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the Services to which this tender relates.
8. The terms of the accompanying tender have not been, and will not be, disclosed by the Tenderer, directly or indirectly, to any competitor, prior to the date and time of the official tender opening or of the awarding of the contract.
9. I/We am/are aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to tenders and contracts, tenders that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and/or may be reported to the National Prosecuting Authority [NPA] for criminal investigation. In addition, Tenderers that submit suspicious tenders may be restricted from conducting business with the public sector for a period not exceeding 10 [ten] years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

Signed on this _____ day of _____ 20____

SIGNATURE OF TENDERER

T2.2-21 Service Provider Integrity Pact

Important Note: All potential tenderers must read this document and certify in the RFP Declaration Form that they have acquainted themselves with, and agree with the content.

The contract with the successful tenderer will automatically incorporate this Integrity Pact and shall be deemed as part of the final concluded contract.

INTEGRITY PACT

Between

TRANSNET SOC LTD

Registration Number: 1990/000900/30

("Transnet")

and

The Contractor (hereinafter referred to as the "Tenderer/Service Providers/Contractor")

PREAMBLE

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

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

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

All Tenderers / Service Providers / Contractor's will be required to sign and comply with undertakings contained in this Integrity Pact, should they want to be registered as a Transnet vendor.

OBJECTIVES

Transnet and the Tenderer / Service Provider / Contractor agree to enter into this Integrity Pact, to avoid all forms of dishonesty, fraud and corruption including practices that are anti-competitive in nature, negotiations made in bad faith and under-pricing by following a system that is fair, transparent and free from any influence / unprejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to:

- a) Enable Transnet to obtain the desired contract at a reasonable and competitive price in conformity to the defined specifications of the works, goods and services; and
- b) Enable Tenderers / Service Providers / Contractors to abstain from bribing or participating in any corrupt practice in order to secure the contract.

COMMITMENTS OF TRANSNET

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

Transnet hereby undertakes that no employee of Transnet connected directly or indirectly with the sourcing event and ensuing contract, will demand, take a promise for or accept directly or through intermediaries any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the Tenderer, either for themselves or for any person, organisation or third party related to the contract in exchange for an advantage in the tendering process, Tender evaluation, contracting or implementation process related to any contract.

Transnet will, during the registration and tendering process treat all Tenderers / Service Providers with equity, transparency and fairness. Transnet will in particular, before and during the registration process, provide to all Tenderers / Service Providers the same information and will not provide to any Tenderers / Service Providers / Contractors confidential / additional information through which the Tenderers / Service Providers / Contractors could obtain an advantage in relation to any tendering process.

Transnet further confirms that its employees will not favour any prospective Tenderer in any form that could afford an undue advantage to a particular Tenderer during the tendering stage, and will further treat all Tenderers / Service Providers / Contractors participating in the tendering process.

Transnet will exclude from the tender process such employees who have any personal interest in the Tenderers / Service Providers / Contractors participating in the tendering process.

OBLIGATIONS OF THE TENDERER / SERVICE PROVIDER

The Tenderer / Service Provider / Contractor commits itself to take all measures necessary to prevent

corrupt practices, unfair means and illegal activities during any stage of its Tender or during any ensuing

contract stage in order to secure the contract or in furtherance to secure it and in particular the Tenderer / Service Provider / Contractor commits to the following:

- a) The Tenderer / Service Provider / Contractor will not, directly or through any other person or firm, offer, promise or give to Transnet or to any of Transnet's employees involved in the tendering process or to any third person any material or other benefit or payment, in order to obtain in exchange an advantage during the tendering process; and
- b) The Tenderer / Service Provider / Contractor will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any employee of Transnet, connected directly or indirectly with the tendering process, or to any person, organisation or third party related to the contract in exchange for any advantage in the tendering, evaluation, contracting and implementation of the contract.

The acceptance and giving of gifts may be permitted provided that:

- a) the gift does not exceed R1 000 (one thousand Rand) in retail value;
- b) many low retail value gifts do not exceed R 1 000 within a 12 month period;
- c) hospitality packages do not exceed R5 000 in value or many low value hospitality packages do not cumulatively exceed R5 000;
- d) a Tenderer / Service Provider does not give a Transnet employee more than 2 (two) gifts within a 12 (twelve) month period, irrespective of value;
- e) a Tenderer / Service Provider does not accept more than 1 (one) gift in excess of R750 (seven hundred and fifty Rand) from a Transnet employee within a 12 (twelve) month period, irrespective of value;
- f) a Tenderer / Service Provider may under no circumstances, accept from or give to, a Transnet employee any gift, business courtesy, including an invitation to a business meal and /or drinks, or hospitality package, irrespective of value, during any Tender evaluation process, including a period of 12 (twelve) months after such tender has been awarded, as it may be perceived as undue and improper influence on the evaluation process or reward for the contract that has been awarded; and
- g) a Tenderer / Service Provider may not offer gifts, goods or services to a Transnet employee at artificially low prices, which are not available to the public at those prices.

The Tenderer / Service Provider / Contractor will not collude with other parties interested in the contract to preclude a competitive Tender price, impair the transparency, fairness and progress of the tendering process, Tender evaluation, contracting and implementation of the contract. The Tenderer / Service Provider further commits itself to delivering against all agreed upon conditions as stipulated within the contract.

The Tenderer / Service Provider / Contractor will not enter into any illegal or dishonest agreement or understanding, whether formal or informal with other Tenderers / Service Providers / Contractors. This applies in particular to certifications, submissions or non-submission of documents or actions that are restrictive or to introduce cartels into the tendering process.

The Tenderer / Service Provider / Contractor will not commit any criminal offence under the relevant anti-corruption laws of South Africa or any other country. Furthermore, the Tenderer /Service Provider will not use for illegitimate purposes or for restrictive purposes or personal gain, or pass on to others, any information provided by Transnet as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

A Tenderer / Service Provider / Contractor of foreign origin shall disclose the name and address of its agents or representatives in South Africa, if any, involved directly or indirectly in the registration or

tendering process. Similarly, the Tenderer / Service Provider / Contractor of South African nationality

shall furnish the name and address of the foreign principals, if any, involved directly or indirectly in the registration or tendering process.

The Tenderer / Service Provider / Contractor will not misrepresent facts or furnish false or forged documents or information in order to influence the tendering process to the advantage of the Tenderer / Service Provider or detriment of Transnet or other competitors.

The Tenderer / Service Provider / Contractor shall furnish Transnet with a copy of its code of conduct, which code of conduct shall reject the use of bribes and other dishonest and unethical conduct, as well as compliance programme for the implementation of the code of conduct.

The Tenderer / Service Provider / Contractor will not instigate third persons to commit offences outlined above or be an accessory to such offences.

INDEPENDENT TENDERING

For the purposes of that Certificate in relation to any submitted Tender, the Tenderer declares to fully understand that the word "competitor" shall include any individual or organisation, other than the

Tenderer, whether or not affiliated with the Tenderer, who:

- a) has been requested to submit a Tender in response to this Tender invitation;
- b) could potentially submit a Tender in response to this Tender invitation, based on their qualifications, abilities or experience; and
- c) provides the same Goods and Services as the Tenderer and/or is in the same line of business as the Tenderer.

The Tenderer has arrived at his submitted Tender independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium will not be construed as collusive tendering.

In particular, without limiting the generality of paragraph 5 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:

- a) prices;
- b) geographical area where Goods or Services will be rendered [market allocation];
- c) methods, factors or formulas used to calculate prices;
- d) the intention or decision to submit or not to submit, a Tender;
- e) the submission of a Tender which does not meet the specifications and conditions of the RFP; or
- f) tendering with the intention of not winning the Tender.

In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the Goods or Services to which his/her tender relates.

The terms of the Tender as submitted have not been, and will not be, disclosed by the Tenderer, directly or indirectly, to any competitor, prior to the date and time of the official Tender opening or of the awarding of the contract.

Tenderers are aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to Tenders and contracts, Tenders that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and/or may be reported to the National Prosecuting Authority [NPA] for criminal investigation and/or may be restricted from conducting business with the public sector for a period not exceeding 10 [ten] years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

Should the Tenderer find any terms or conditions stipulated in any of the relevant documents quoted in

the Tender unacceptable, it should indicate which conditions are unacceptable and offer alternatives by written submission on its company letterhead, attached to its submitted Tender. 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.

Disqualification from Tendering Process

If the Tenderer / Service Provider / Contractor has committed a transgression through a violation of section 3 of this Integrity Pact or in any other form such as to put its reliability or credibility as a Tenderer / Service Provider into question, Transnet may reject the Tenderer's / Service Provider's / Contractor's application from the registration or tendering process and remove the Tenderer / Service Provider from its database, if already registered.

If the Tenderer / Service Provider / Contractor has committed a transgression through a violation of section 3, or any material violation, such as to put its reliability or credibility into question. Transnet may after following due procedures and at its own discretion also exclude the Tenderer / Service Provider / Contractor from future tendering processes. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the circumstances of the case, which will include amongst others the number of transgressions, the position of the transgressors within the company hierarchy of the Tenderer / Service Provider / Contractor and the amount of the damage. The exclusion will be imposed for up to a maximum of 10 (ten) years. However, Transnet reserves the right to impose a longer period of exclusion, depending on the gravity of the misconduct.

If the Tenderer / Service Provider / Contractor can prove that it has restored the damage caused by it and has installed a suitable corruption prevention system, or taken other remedial measures as the circumstances of the case may require, Transnet may at its own discretion revoke the exclusion or suspend the imposed penalty.

TRANSNET'S LIST OF EXCLUDED TENDERERS (BLACKLIST)

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

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

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

A Service Provider or Contractor to Transnet may not subcontract any portion of the contract to a blacklisted company.

- Grounds for blacklisting include: If any person/Enterprise which has submitted a Tender, concluded a contract, or, in the capacity of agent or subcontractor, has been associated with such Tender or contract:
- a) Has, in bad faith, withdrawn such Tender after the advertised closing date and time for the receipt of Tenders;
 - b) has, after being notified of the acceptance of his Tender, failed or refused to sign a contract when called upon to do so in terms of any condition forming part of the Tender documents;

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

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

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

PREVIOUS TRANSGRESSIONS

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

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

SANCTIONS FOR VIOLATIONS

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

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

CONFLICTS OF INTEREST

A conflict of interest includes, inter alia, a situation in which:

- a) A Transnet employee has a personal financial interest in a tendering / supplying entity; and
- b) A Transnet employee has private interests or personal considerations or has an affiliation or a relationship which affects, or may affect, or may be perceived to affect his / her judgment in action in the best interest of Transnet, or could affect the employee's motivations for acting in a particular manner, or which could result in, or be perceived as favouritism or nepotism.

A Transnet employee uses his / her position, or privileges or information obtained while acting in the capacity as an employee for:

- a) Private gain or advancement; or
- b) The expectation of private gain, or advancement, or any other advantage accruing to the employee must be declared in a prescribed form.

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

If a Tenderer / Service Provider / Contractor has or becomes aware of a conflict of interest i.e. a family, business and / or social relationship between its owner(s) / member(s) / director(s) / partner(s) / shareholder(s) and a Transnet employee / member of Transnet's Board of Directors in respect of a Tender which will be considered for the Tender process, the Tenderer / Service Provider / Contractor:

- a) must disclose the interest and its general nature, in the Request for Proposal ("RFX") declaration form; or
- b) must notify Transnet immediately in writing once the circumstances has arisen.

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

MONITORING

Transnet will be responsible for appointing an independent Monitor to:

- a) Conduct random monitoring of compliance to the provisions of this Integrity Pact for contracts entered into between Transnet and the Tenderer / Service Provider / Contractor for less than R100,000.000 (one hundred million Rand) in value;
- b) Monitor compliance to the provisions of this Integrity Pact for contracts entered into between Transnet and the Tenderer / Service Provider / Contractor for greater than R100,000.000 (one hundred million Rand) in value; and
- c) Investigate any allegation of violation of any provisions of this Integrity Pact for contracts entered into between Transnet and the Tenderer / Service Provider / Contractor, irrespective of value.

The Monitor will be subjected to Transnet's Terms of Conditions of Contract for the Provision of Services to Transnet, as well as to Transnet's Service Provider Code of Conduct.

EXAMINATION OF FINANCIAL RECORDS, DOCUMENTATION AND/OR ELECTRONIC DATA

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

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

DISPUTE RESOLUTION

Transnet recognises that trust and good faith are pivotal to its relationship with its Tenderer / Service Provider / Contractor. When a dispute arises between Transnet and its Tenderer / Service Provider /

Contractor, the parties should use their best endeavours to resolve the dispute in an amicable manner,

whenever possible. Litigation in bad faith negates the principles of trust and good faith on which commercial relationships are based. Accordingly, following a blacklisting process as mentioned in paragraph 0 above, Transnet will not do business with a company that litigates against it in bad faith or is involved in any action that reflects bad faith on its part. Litigation in bad faith includes, but is not limited to the following instances:

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

GENERAL

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

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

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

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

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

The Parties hereby declare that each of them has read and understood the clauses of this Integrity Pact and shall a Tenderer by it. To the best of the Parties' knowledge and belief, the information

T2.2-22: Request for Quotation – Breach of law

NAME OF COMPANY: _____

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 Tenderer 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 Tenderer from the tendering process, should that person or company have been found guilty of a serious breach of law, tribunal or regulatory obligation.

Signed on this _____ day of _____ 20____

SIGNATURE OF TENDER

T2.2-23: Insurance provided by the *Contractor*

Clause 83.1 in NEC3 Term Service Contract (June 2005)(amended June 2006 and April 2013) requires that the *Contractor* provides the insurance stated in the insurance table except any insurance which the *Employer* is to provide as stated in the Contract Data.

Please provide the following details for insurance which the *Contractor* is still to provide. Notwithstanding this information all costs related to insurance are deemed included in the tenderer's rates and prices.

Insurance against (See clause 83.2 of the TSC)	Name of Insurance Company	Cover	Premium
Liability for death of or bodily injury to employees of the <i>Contractor</i> arising out of and in the course of their employment in connection with this contract			
Motor Vehicle Liability Insurance comprising (as a minimum) "Balance of Third Party" Risks including Passenger and Unauthorised Passenger Liability indemnity with a minimum indemnity limit of R5 000 000 .			
Insurance in respect of loss of or damage to own property and equipment.			
(Other)			

Signed _____ Date _____

Name _____ Position _____

Tenderer _____

T2.2-24 Agreement in terms of Protection of Personal Information Act, 4 of 2013 ("POPIA")

1. PREAMBLE AND INTRODUCTION

- 1.1. The rights and obligation of the Parties in terms of the Protection of Personal Information Act, 4 of 2013 ("POPIA") are included as forming part of the terms and conditions of this contract.

2. PROTECTION OF PERSONAL INFORMATION

- 2.1. The following terms shall bear the same meaning as contemplated in Section 1 of the Protection of Person information act, No. of 2013 "(POPIA)":
consent; data subject; electronic communication; information officer; operator; person; personal information; processing; record; Regulator; responsible party; special information; as well as any terms derived from these terms.
- 2.2. The Operator will process all information by the Transnet in terms of the requirements contemplated in Section 4(1) of the POPIA:
Accountability; Processing limitation; Purpose specification; Further processing limitation; Information quality; Openness; Security safeguards and Data subject participation.
- 2.3. The Parties acknowledge and agree that, in relation to personal information of Transnet and the information of a third party that will be processed pursuant to this Agreement , the Operator is (..... insert name of Tenderer/Contractor) hereinafter Operator and the Data subject is "Transnet". Operator will process personal information only with the knowledge and authorisation of Transnet and will treat personal information and the information of a third party which comes to its knowledge as confidential and will not disclose it, unless so required by law or subject to the exceptions contained in the POPIA.
- 2.4. Transnet reserves all the rights afforded to it by the POPIA in the processing of any of its information as contained in this Agreement and the Operator is required to comply with all prescripts as detailed in the POPIA relating to all information concerning Transnet.
- 2.5. In terms of this Agreement, the Operator acknowledges that it will obtain and have access to personal information of Transnet and the information of a third party and agrees that it shall only process the information disclosed by Transnet in terms of this Agreement and only for the purposes as detailed in this Agreement and in accordance with any applicable law.
- 2.6. Should there be a need for the Operator to process the personal information and the information of a third party in a way that is not agreed to in this Agreement, the Operator must request consent from Transnet to the processing of its personal information or and the information of a third party in a manner other than that it was collected for, which consent cannot be unreasonably withheld.

- 2.7. Furthermore, the Operator will not otherwise modify, amend or alter any personal information and the information of a third party submitted by Transnet or disclose or permit the disclosure of any personal information and the information of a third party to any third party without prior written consent from Transnet.
- 2.8. The Operator shall, at all times, ensure compliance with any applicable laws put in place and maintain sufficient measures, policies and systems to manage and secure against all forms of risks to any information that may be shared or accessed pursuant to the services offered to Transnet in terms of this Agreement (physically, through a computer or any other form of electronic communication).
- 2.9. The Operator shall notify Transnet in writing of any unauthorised access to personal information and the information of a third party, cybercrimes or suspected cybercrimes, in its knowledge and report such crimes or suspected crimes to the relevant authorities in accordance with applicable laws, after becoming aware of such crimes or suspected crime. The Operator must inform Transnet of the breach as soon as it has occurred to allow Transnet to take all necessary remedial steps to mitigate the extent of the loss or compromise of personal information and the information of a third party and to restore the integrity of the affected personal information as quickly as is possible.
- 2.10. Transnet may, in writing, request the Operator to confirm and/or make available any personal information and the information of a third party in its possession in relation to Transnet and if such personal information has been accessed by third parties and the identity thereof in terms of the POPIA.
- 2.11. Transnet may further request that the Operator correct, delete, destroy, withdraw consent or object to the processing of any personal information and the information of a third party relating to the Transnet or a third party in the Operator's possession in terms of the provision of the POPIA and utilizing Form 2 of the POPIA Regulations.
- 2.12. In signing this addendum that is in terms of the POPIA, the Operator hereby agrees that it has adequate measures in place to provide protection of the personal information and the information of a third party given to it by Transnet in line with the 8 conditions of the POPIA and that it will provide to Transnet satisfactory evidence of these measures whenever called upon to do so by Transnet.

The Operator is required to provide confirmation that all measures in terms of the POPIA are in place when processing personal information and the information of a third party received from Transnet:

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

- 2.13. Further, the Operator acknowledges that it will be held liable by Transnet should it fail to process personal information in line with the requirements of the POPIA. The Operator will be subject to any

civil or criminal action, administrative fines or other penalty or loss that may arise as a result of the processing of any personal information that Transnet submitted to it.

- 2.14. Should a Tenderer have any complaints or objections to processing of its personal information, by Transnet, the Tenderer can submit a complaint to the Information Regulator on <https://www.justice.gov.za/inforeg/>, click on contact us, click on complaints.IR@justice.gov.za

3. SOLE AGREEMENT

- 3.1. The Agreement, constitute the sole agreement between the parties relating to the subject matter referred to in paragraph 1.1 of this and no amendment/variation/change shall be of any force and effect unless reduced to writing and signed by or on behalf of both parties.

Signed at _____ on this _____ day of _____ 2021

Name: _____

Title: _____

Signature: _____

(Name of company)

(Operator)

Authorised signatory for and on behalf of(Name of company) who warrants that he/she is duly authorised to sign this Agreement.

AS WITNESSES:

1. Name: _____ Signature: _____

2. Name: _____ Signature: _____

C1.1 Form of Offer & Acceptance

Offer

The Employer, identified in the Acceptance signature block, has solicited offers to enter into a contract for the procurement of:

VRYHEID DIESEL STORAGE TANK 2 REPAIRS

The tenderer, identified in the Offer signature block, has

<i>either</i>	examined the documents listed in the Tender Data and addenda thereto as listed in the Returnable Schedules, and by submitting this Offer has accepted the Conditions of Tender.
<i>or</i>	examined the draft contract as listed in the Acceptance section and agreed to provide this Offer.

By the representative of the tenderer, deemed to be duly authorised, signing this part of this Form of Offer and Acceptance the tenderer offers to perform all of the obligations and liabilities of the *Contractor* under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the *conditions of contract* identified in the Contract Data.

The offered total of the Prices exclusive of VAT is	R
Value Added Tax @ 15% is	R
The offered total of the Prices inclusive of VAT is	R
(in words)	

This Offer may be accepted by the Employer by signing the Acceptance part of this Form of Offer and Acceptance and returning one copy of this document including the Schedule of Deviations (if any) to the tenderer before the end of the period of validity stated in the Tender Data, or other period as agreed, whereupon the tenderer becomes the party named as the *Contractor* in the *conditions of contract* identified in the Contract Data.

Signature(s)

Name(s)

Capacity

**For the
tenderer:**

(Insert name and address of organisation)

Name &
signature of
witness

Date

Tenderer's CIDB registration number:

Acceptance

By signing this part of this Form of Offer and Acceptance, the Employer identified below accepts the tenderer's Offer. In consideration thereof, the Employer shall pay the Contractor the amount due in accordance with the *conditions of contract* identified in the Contract Data. Acceptance of the tenderer's Offer shall form an agreement between the Employer and the tenderer upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.

The terms of the contract, are contained in:

Part C1	Agreements and Contract Data, (which includes this Form of Offer and Acceptance)
Part C2	Pricing Data
Part C3	Scope of Work: Service Information

and drawings and documents (or parts thereof), which may be incorporated by reference into the above listed Parts.

Deviations from and amendments to the documents listed in the Tender Data and any addenda thereto listed in the Returnable Schedules as well as any changes to the terms of the Offer agreed by the tenderer and the Employer during this process of offer and acceptance, are contained in the Schedule of Deviations attached to and forming part of this Form of Offer and Acceptance. No amendments to or deviations from said documents are valid unless contained in this Schedule.

The tenderer shall within two weeks of receiving a completed copy of this agreement, including the Schedule of Deviations (if any), contact the Employer's agent (whose details are given in the Contract Data) to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the *conditions of contract* identified in the Contract Data at, or just after, the date this agreement comes into effect. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the date of award.

Unless the tenderer (now *Contractor*) within five working days of the date of such receipt notifies the Employer in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the Parties.

Signature(s)

Name(s)

Capacity

**for the
Employer**

(Insert name and address of organisation)

Name &
signature of
witness

Date

Schedule of Deviations

Note:

1. To be completed by the Employer prior to award of contract. This part of the Offer & Acceptance would not be required if the contract has been developed by negotiation between the Parties and is not the result of a process of competitive tendering.
2. The extent of deviations from the tender documents issued by the Employer prior to the tender closing date is limited to those permitted in terms of the Conditions of Tender.
3. A tenderer's covering letter must not be included in the final contract document. Should any matter in such letter, which constitutes a deviation as aforesaid be the subject of agreement reached during the process of Offer and Acceptance, the outcome of such agreement shall be recorded here and the final draft of the contract documents shall be revised to incorporate the effect of it.

No.	Subject	Details
1		
2		
3		
4		
5		
6		
7		

By the duly authorised representatives signing this Schedule of Deviations below, the Employer and the tenderer agree to and accept this Schedule of Deviations as the only deviations from and amendments to the documents listed in the Tender Data and any addenda thereto listed in the Tender Schedules, as well as any confirmation, clarification or changes to the terms of the Offer agreed by the tenderer and the Employer during this process of Offer and Acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the tenderer of a completed signed copy of this Form shall have any meaning or effect in the contract between the parties arising from this Agreement.

For the tenderer:	For the Employer
Signature _____	_____
Name _____	_____
Capacity _____	_____
On behalf of _____ (Insert name and address of organisation)	_____
Name & signature of witness _____	_____
Date _____	_____

C1.2 Contract Data

Part one - Data provided by the *Employer*

Clause	Statement	Data
1	General	
	The <i>conditions of contract</i> are the core clauses and the clauses for main Option:	
	dispute resolution Option	A: Priced contract with price list
	and secondary Options	W1: Dispute resolution procedure
		X2: Changes in the law
		X18: Limitation of liability
		X19: Task Order
		Z: <i>Additional conditions of contract</i>
	of the NEC3 Term Service Contract (June 2005) (and amended June 2006 and April 2013)	
10.1	The <i>Employer</i> is:	Transnet SOC Ltd
	Address	Registered address: Transnet Corporate Centre 138 Eloff Street Braamfontein Johannesburg 2000
	Having elected its Contractual Address for the purposes of this contract as:	Transnet Freight Rail 15 Girton Road Parktown 2193
	Tel No.	011 584 1071
10.1	The <i>Service Manager</i> is (name):	Cherise Govender
	Address	Transnet Freight Rail Off R66 Vryheid East 3100

	Tel	060 502 0345
	e-mail	Cherise.Govender@transnet.net
11.2(2)	The Affected Property is	Transnet Locomotive Movement Depot
11.2(13)	The <i>service</i> is	Vryheid Diesel Storage Tank 2 Repair.
11.2(14)	The following matters will be included in the Risk Register	Working in confined spaces Working from heights
11.2(15)	The Service Information is in	The Scope of Services
12.2	The <i>law of the contract</i> is the law of	the Republic of South Africa subject to the jurisdiction of the Courts of South Africa.
13.1	The <i>language of this contract</i> is	English
13.3	The <i>period for reply</i> is	2 weeks
2	The <i>Contractor's</i> main responsibilities	No additional data is required for this section of the <i>conditions of contract</i>.
21.1	The <i>Contractor</i> submits a first plan for acceptance within	5 days of the Contract Date
3	Time	
30.1	The <i>starting date</i> is.	01 November 2023
30.1	The <i>service period</i> is	Four (4) months
4	Testing and defects	No additional data is required for this section of the <i>conditions of contract</i>.
5	Payment	
50.1	The <i>assessment interval</i> is	25th (twenty fifth) day of each successive month.
51.1	The <i>currency of this contract</i> is the	South African Rand.
51.2	The period within which payments are made is	Payment will be effected on or before the last day of the month following the month during which a valid Tax Invoice and Statement were received.
51.4	The <i>interest rate</i> is	The prime lending rate of the Standard Bank South Africa.
6	Compensation events	No additional data is required for this section of the conditions of contract.
7	Use of Equipment Plant and Materials	No additional data is required for this section of the <i>conditions of contract</i>.
8	Risks and insurance	

80.1	These are additional <i>Employers</i> risks	None
83.1	The minimum limit of indemnity for insurance in respect of loss and damage to property (except goods, plant and materials and equipment) and liability for bodily injury or death of a person (not an employee of the <i>Contractor</i>) caused by activity in connection with this contract for any one event is:	Whatever <i>Contractor</i> deems necessary as the <i>Employer</i> is not carrying this indemnity.
83.1	The minimum limit of indemnity for insurance in respect of death of or bodily injury to employees of the <i>Contractor</i> arising out of and in the course of their employment in connection with this contract for any one event is:	As prescribed by the Compensation for Occupational Injuries and Diseases Act No. 130 of 1993 and the <i>Contractor's</i> common law liability for people falling outside the scope of the Act.
83.1	Motor Vehicle Liability Insurance comprising (as a minimum) "Balance of Third Party" Risks including Passenger and Unauthorised Passenger Liability indemnity with a minimum indemnity limit of R5 000 000	
83.1	The <i>Contractor</i> liability to the <i>Employer</i> for indirect or consequential loss including loss of profit, revenue and goodwill, is limited to:	The Total of the Prices.
83.1	For any one event, the <i>Contractor</i> liability to the <i>Employer</i> for loss of or damage to the <i>Employers</i> property is limited to:	The Total of the Prices.
83.1	The <i>Contractor</i> total liability to the <i>Employer</i> for all matters arising under or in connection with this contract, other than the excluded matters, is limited to:	The Total of the Prices.
9	Termination	There is no Contract Data required for this section of the <i>conditions of contract</i>.
10	Data for main Option clause	
A	Priced contract with price list	
20.5	The <i>Contractor</i> prepares forecasts of the final total of the Prices for the whole of the <i>service</i> at intervals no longer than	3 weeks.
11	Data for Option W1	
W1.1	The <i>Adjudicator</i> is (Name)	Both parties will agree as and when a dispute arises. If the parties cannot reach an agreement on the <i>Adjudicator</i>, the chairman of the Association of Arbitrators will appoint an <i>Adjudicator</i>.

W1.2(3)	The <i>Adjudicator nominating body</i> is: If no <i>Adjudicator nominating body</i> is entered, it is	The Association of Arbitrators (Southern Africa)
W1.4(2)	The <i>tribunal</i> is:	Arbitration
W1.4(5)	The <i>arbitration procedure</i> is The place where arbitration is to be held is The person or organisation who will choose an arbitrator <ul style="list-style-type: none"> - if the Parties cannot agree a choice or - if the arbitration procedure does not state who selects an arbitrator, is 	The Rules for the Conduct of Arbitrations of the Association of Arbitrators (Southern Africa) Johannesburg, South Africa The Chairman of the Association of Arbitrators (Southern Africa)
12	Data for secondary Option clauses	
X2	Changes in the law	No additional data is required for this Option
X18	Limitation of liability	
X18.1	The <i>Contractor's</i> liability to the <i>Employer</i> for indirect or consequential loss is limited to	Nil.
X18.2	For any one event, the <i>Contractor's</i> liability to the <i>Employer</i> for loss of or damage to the <i>Employer's</i> property is limited to	The deductible of the relevant insurance policy
X18.3	The <i>Contractor's</i> liability for Defects due to his design of an item of Equipment is limited to	The cost of correcting the defect.
X18.4	The <i>Contractor's</i> total liability to the <i>Employer</i> , for all matters arising under or in connection with this contract, other than the excluded matters, is limited to	Total of the Prices.
X18.5	The <i>end of liability date</i> is	3 years after the end of the <i>service period</i>.
X19	Task Order	
X19.5	The <i>Contractor</i> submits a Task Order programme to the <i>Service Manager</i> within	3 days of receiving the Task Order
Z	Additional conditions of contract	

Z1 Obligations in respect of Termination

Z1.1	<p>The following will be included under core clause 91.1:</p> <p>In the second main bullet, after the word 'partnership' add 'joint venture whether incorporated or otherwise (including any constituent of the joint venture)'; and</p> <p>Under the second main bullet, insert the following additional bullets after the last sub-bullet:</p> <ul style="list-style-type: none"> • commenced business rescue proceedings (R22) • repudiated this Contract (R23)
Z1.2	<p>Termination Table</p> <p>The following will be included under core clause 90.2 Termination Table as follows:</p> <p>Amend "A reason other than R1 – R21" to "A reason other than R1 – R23"</p>
Z1.3	<p>Amend "R1 – R15 or R18" to "R1 – R15, R18, R22 or R23."</p>

Z2 Right Reserved by Transnet to Conduct Vetting through SSA

Z2.1	<p>Transnet reserves the right to conduct vetting through State Security Agency (SSA) for security clearances of any Contractor who has access to National Key Points for the following without limitations:</p> <ol style="list-style-type: none"> 1. Confidential – this clearance is based on any information which may be used by malicious, opposing or hostile elements to harm the objectives and functions of an organ of state. 2. Secret – clearance is based on any information which may be used by malicious, opposing or hostile elements to disrupt the objectives and functions of an organ of state. 3. Top Secret – this clearance is based on information which may be used by malicious, opposing or hostile elements to neutralise the objectives and functions of an organ of state.
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Z3 Additional clause relating to Collusion in the Construction Industry

Z3.1	The contract award is made without prejudice to any rights Transnet may have to take appropriate action later with regard to any declared bid rigging including blacklisting.
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Z4	Protection of Personal Information Act
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Z4.1	The <i>Employer</i> and the <i>Contractor</i> are required to process information obtained for the duration of the Agreement in a manner that is aligned to the Protection of Personal Information Act
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Part two - Data provided by the *Contractor*

Completion of the data in full, according to Options chosen, is essential to create a complete contract.

Term Service Contract PAGE 1 Part C1
 CPM 2020 Rev 06 C1.2: Contract Data by Contractor

A		Priced contract with price list
11.2(12)	The <i>price list</i> is in
11.2(19)	The tendered total of the Prices is	R

PART C2: PRICING DATA

Document reference	Title	No of pages
C2.1	Pricing instructions: Option A	1
C2.2	Price List	3

C2.1 Pricing instructions: Option A

1.1 The *conditions of contract*

1.2 How the contract prices work and assesses it for progress payments

Clause 11 in NEC3 Term Services Contract (TSC), June 2005 (with amendments June 2006 and April 2013) Option A states:

Identified 11
and defined
terms

11.2 (17) The Price for Services Provided to Date is the total of

- the Price for each lump sum item in the Price List which the *Contractor* has completed and
- where a quantity is stated for an item in the Price List, an amount calculated by multiplying the quantity which the *Contractor* has completed by the rate.

(19) The Prices are the amounts stated in the Price column of the Price List, where a quantity is stated for an item in the Price List, the Price is calculated by multiplying the quantity by the rate.

1.3 Measurement and Payment

1.3.1 The Price List provides the basis of all valuations of the Price for Services Provided to Date, payments in multiple currencies and general progress monitoring.

1.3.2 The amount due at each assessment date is based on activities and/or milestones completed as indicated on the Price List.

1.3.3 **The Price List work breakdown structure provided by the *Contractor* is based on the activity/milestone provided by the Employer. The Price List work breakdown structure is compiled to the satisfaction of the *Employer* with any additions and/or amendments deemed necessary.**

1.3.4 **The *Contractor's* detailed Price List summates back to the activity/milestone provided by the *Employer* and is sufficient detail to monitor completion of activities related to the operations on the Accepted Plan in order that payment of completed activities may be assessed.**

1.3.5 The Prices are obtained from the Price List. The Prices includes for all direct and indirect costs, overheads, profits, risks, liabilities, obligations, etc. relative to the contract.

C2.2 Price List

Item no	Description	Unit	Quantity	Rate	Price
1.	Contractor to provide own electricity and water for the duration of the project	Sum	1		
	External - Nozzles and Attachments				
2.	Insert tell-tale hole on manway reinforcing pad to comply with API section 5.7.5.1	Sum	1		
	Insulation / Coating				
3.	Mechanically remove the existing isolated areas of concern, Supply and coat, clean, primer and re-coat to Transnet specification	Sum	1		
	Shell External and attachments				
4.	Supply and reinstate suitable corrosion protection as per Transnet specification on the tank shell	Sum	1		
5.	Supply and install the name plate on the tank to comply with API 650 section 10.1.2	Each	1		
6.	Supply and Clean, repair/replace and re-coat isolated areas of corrosion on the cat ladder to Transnet specification.	Sum	1		
7.	Supply and Install davit arm on shell manway to comply with API 650 5.8.3.5	Each	1		
8.	Perform floor bottom settlements' and out of plumb	Sum	1		
	Shell Internal and attachments				
9.	Supply and reinstate suitable corrosion protection up to the first strake as per	Sum	1		

	Transnet specification				
	Floor internal				
10.	The tank floor shows cluster pitting corrosion, Supply and mechanically clean, prime and apply corrosion protection coating with at least 10 years warranty.	Sum	1		
11.	The magnetic flux leakage detected the floor plates and displayed a maximum of material loss of 56%, Supply and install rounded corner repair plates on areas with above 50% material loss and Supply and apply coating on material loss below 50% includes the repaired areas.	Sum	1		
12.	Supply and Address areas with pitting, mechanical dents, damages, indentation and bulges that were detected on tank floor	Sum	1		
	Roof External and attachments:				
13.	Supply and Clean, repair and re-coat the roof hand rails showing corrosion	Sum	1		
14.	Supply and Clean, repair and re-coat severe corrosion on roof nozzles bolt holes	Sum	1		
15.	Supply and Install hinges on roof manhole cover to comply with API 650 section 5.8.3.5	Sum	1		
16.	Supply and Clean, repair and re-coat localized corrosion on roof plate as per Transnet specification.	Sum	1		
	Commissioning				
17.	Perform API post-inspection and provide report issued by Approved API Inspector.	Sum	1		
18.	Box, test and commission the tank.	Sum	1		

19.	Travel	km			
	Sub total				
	Total excl. Vat				
	Vat @ 15%				
	Grand total incl. Vat				

The total of the Prices

PART C3: SERVICE INFORMATION

Document reference	Title	No of pages
C3.1	This cover page	1
	<i>Service Information</i>	6
Total number of pages		7

C3.1 Service Information

1 Description of the service

1.1 Executive overview

Transnet Freight Rail- RNC - TFD department is responsible for the Maintenance and Statutory Compliance of the Fuel Depots in accordance with SANS 10089 – Parts 1, 2 and 3, as well as Occupational Health and Safety Act and Regulations. Vryheid Diesel Depot has a 108m³ aboveground diesel storage tank which stores the diesel for refuelling the locomotives in the Vryheid area. In the quest of compliance with the legislative requirements, the professional framework directives and the corporate governance principles, this maintenance activity shall ensure that Transnet:

1.1 Establishes sound structures and processes of governance, charged with overseeing efficient and effective performance or occurrence of processes set out below:

- a) Appropriate strategic, tactical, and operational planning processes.
- b) Efficient and effective risk and opportunity management.
- c) Reliable assurance practices; and
- d) Execution, implementation, and deployment of maintenance activities on key depot equipment and infrastructure.

The service that the Contractor is to perform includes:

Please also see attached inspection report

- Contractor to provide own electricity and water for the duration of the project
- **External - Nozzles and Attachments**
- Insert tell-tale hole on manway reinforcing pad to comply with API section 5.7.5.1
- **Insulation / Coating**
- Mechanically remove the existing isolated areas of concern, Supply and coat, clean, primer and re-coat to Transnet specification
- **Shell External and attachments**
- Supply and reinstate suitable corrosion protection as per Transnet specification on the tank shell
- Supply and install the name plate on the tank to comply with API 650 section 10.1.2
- Supply and Clean, repair/replace and re-coat isolated areas of corrosion on the cat ladder to Transnet specification.
- Supply and Install davit arm on shell manway to comply with API 650 5.8.3.5
- Perform floor bottom settlements' and out of plumb
- Prepare and sandblast the entire tank shell. Paint the entire tank shell. Using primer where shows bare steel and apply 2 x coats of silver metal paint and a suitable corrosion protection paint. Include code compliant numbering on the tank as per SANS 10089, the following information should be included but not limited to: tank no, capacity, safe filling level, product contained, service dates, inlet and outlet valve positioning and all prohibitory signs. Characters should be clearly visible and identifiable with a minimum height of 900mm and minimum width of 450mm, and it must be in two positions which will be visible from fire excess service route
- **Shell Internal and attachments**

- Supply and reinstate suitable corrosion protection up to the first strake as per Transnet specification

Floor internal

- The tank floor shows cluster pitting corrosion, Supply and mechanically clean, prime and apply corrosion protection coating with at least 10 years warranty.
- The magnetic flux leakage detected the floor plates and displayed a maximum of material loss of 56%, Supply and install rounded corner repair plates on areas with above 50% material loss and Supply and apply coating on material loss below 50% includes the repaired areas.
- Supply and Address areas with pitting, mechanical dents, damages, indentation and bulges that were detected on tank floor

Roof External and attachments:

- Supply and Clean, repair and re-coat the roof hand rails showing corrosion
- Supply and Clean, repair and re-coat severe corrosion on roof nozzles bolt holes
- Supply and Install hinges on roof manhole cover to comply with API 650 section 5.8.3.5
- Supply and Clean, repair and re-coat localized corrosion on roof plate as per Transnet specification.

Commissioning

- Perform API post-inspection and provide report issued by Approved API Inspector.
- Box, test and commission the tank. NB Remove spades upon commissioning of the tank.

Notes to contractor about internal tank paint requirement

Internal Tank Coating Specification

Tank internal surface preparation must in accordance to API RP652 and ISO 16961

Apply suitable rust inhibiting primer coating system

No. Coats	Coating	Generic Type	Apply By	Theoretical Coverage m²/lt at D.F.T. (microns)	Film Thickness (Microns)		Minimum Time Between Coats at 25°C
					Wet Film	Dry Film	
Patch Prime:							
1	Carbomastic 15	Aluminium-filled epoxy mastic	B, <u>AS</u> , <u>CS</u>	7,2 @ 125µm	140µm	125µm	24 Hrs
Complete Coat:							
1	Carbothane 134	Aliphatic acrylic polyurethane	<u>CS</u> , <u>AS</u> , B	12,0 @ 40µm	85µm	40µm	3 Hrs
1						40µm	

Surface Preparation

No. Coats	Coating	Generic Type	Apply By	Theoretical Coverage m ² /lt at D.F.T. (microns)	Film Thickness (Microns)		Minimum Time Between Coats at 25°C
					Wet Film	Dry Film	
1	Phenoline UHS 187	Amine Modified Epoxy	<u>S</u> , B, R	4,0 @ 250µm	255µm	250µm	16 Hrs min 36 Hrs max
1	Phenoline UHS 187	Amine Modified Epoxy	<u>S</u> , B, R	4,0 @ 250µm	255µm	250µm	16 Hrs min 36 Hrs max
2						500µm	

CONSTRAINTS ON HOW THE CONTRACTOR PROVIDES THE WORKS

Service delivery between 07h30 and 16h00 Monday to Friday only and excluding public holidays

Note: The mechanical repair work activities shall be carried out in an operational environment, the appointed contractor shall plan and co-ordinate the works such that disruptions and delays to TFR operations are eliminated.

The appointed contractor shall be responsible for all site work, supervision and management aspects of the works including minor designs (where necessary), and shall follow the best-accepted engineering practices in order to provide the Transnet SOC Ltd with a compliant and operational diesel storage and dispensing system that is in accordance with the requirements and specifications as detailed in various parts and sections of this document.

The appointed contractor shall provide tools, materials, scaffolding, platforms and all safety harnesses that are required to execute this work, moreover observe all working at heights regulations; all safety regulations and guidelines concerning construction works.

- I. It is the contractor's responsibility to leave the site and facilities clean, no drain blockages and no contamination to the environment.
- II. Provide a disposal certificate.
- III. Provide weekly updated works programme on MS project.
- IV. Provide site specific PPE for contract workers for the duration of the project.
- V. Ensure conformance to safety requirements as per OHS Act and at Zone 1 Area as specified by SANS 10089 Part 1 – 3.
- VI. Method statement, the risk assessments and daily toolbox talks must be carried out prior to commencement of any work activity.

REQUIREMENTS FOR THE PROGRAMME

- I. All mechanical repair work to be done as per API 653, API RP 652 & 650 standards as well as SANS 10089 and ISO 16961.
 - II. The winning bidder must be fully compliant with Transnet Safety, health and environment policy and other related safety legislation.
 - III. The winning bidder must supply and wear full PPE during project execution all the time.
 - IV. Ensure conformance to safety requirements for the confined space entry and working at height as specified by OSH Act.
 - V. Method statement and the risk assessments must be attached to the quote.
 - VI. Contractor to provide a gas tester with a valid calibration certificate during tank repair works to monitor the oxygen level.
 - VII. The repairs must be executed by the qualified ASME 9 welder.
 - VIII. The boiler maker must be registered with South African Institute of Welders (SAIW).
 - IX. Contractor to provide own electricity and water for the duration of the project.
- At the end of the project the winning bidder must supply welding certificates for each weld performed.

SERVICES AND OTHER THINGS PROVIDED BY THE EMPLOYER

Item	Date by which it will be provided

1.2 Employers Objective

As guided by API 653 standards, it is recommended that diesel bulk storage tanks undergo routine cleaning, inspection and repair in order to maintain and prolong asset life every 5 years. Tank 2 in Vryheid is now due for its routine maintenance. The tank has been cleaned and inspected by an API inspector and a report was issued recommending the repairs mentioned in this project's scope.

1.3 Access to the Affected Property

The access will be arranged as and when the work is awarded.

1.4 Provisions

- 1.4.1 The *Contractor* provides their own PPE, tools, and materials necessary to carry out the work. Their own electricity and water as well as transportation, travel, and accommodation.

1.5 Tests and inspections before and during the Provision of the Service as per Service Information

Post Inspection and report by API 653 certified inspector

2 SERVICE

2.1 Temporary service, Affected Property & constraints on how the *Contractor* Provides the Service

- 2.1.1 Affected Property entry and security control, permits, and Affected Property regulations

The *Contractor* complies with the Employer's Affected Property entry and security control, permits and Affected Property regulations.

2.1.2 Restrictions to access on Affected Property, roads, walkways and barricades:

2.1.2.1 The *Contractor* is specifically excluded from entering the Employer's Operational Areas which are adjacent to the Affected Property. The *Contractor* plans and organises his work in such a manner so as to cause the least possible disruption to the Employer's operations.

2.1.2.2 The *Contractor* ensures safe passage of his team, to traffic and around the Affected Property working areas at all times which includes providing flagmen.

2.1.2.3 The *Contractor* ensures that any of his staff, labour and Equipment moving outside of his allocated Affected Property and Service Areas does not obstruct the operations of the..... To this end, access routes are allocated and coordinated by the *Service Manager*.

2.1.2.4 The *Contractor* ensures that all his Service staff, labour, and Equipment remains within his allocated and fenced off working Area.

2.1.2.5 All *Contractor's* staff and labour working within..... complies with Transnet Freight Rail (TFR) operational safety requirements and are equipped with all necessary personnel protective equipment (PPE).

2.1.3 People restrictions on Affected Property; hours of work, conduct and records:

The *Contractor* keeps daily records of his people engaged on the Affected Property with access to such daily records available for inspection by the *Service Manager* at all reasonable times.

3 LIST OF REFERENCE SPECIFICATIONS

The above stipulation is for information and reference purposes only.

Please refer to electronic references.

Drawing number	Revision	Title
VRY-000-001-001	01	Arrangement and Detail of Davit Arm

4 Health and Safety Information

5 Procurement

6.1 The *Contractor's* Invoices

6.1.1 The invoice states the following:

- Invoice addressed to Transnet SOC Limited;
- Transnet Limited's VAT No: 4720103177;
- Invoice number;
- The *Contractor's* VAT Number; and

6.1.2 The invoice contains the supporting detail:

A bill format as per the tender document indicating previously paid, paid to date and amount due for the month.

The invoice is presented either by post or by hand delivery.

6.1.3 Invoices submitted by post are addressed to:

Miss CR Govender
100 Eel Road
4000

6.1.4 Invoices submitted by hand are presented to:

Miss CR Govender
100 Eel Road
4000

The invoice is presented as an original.

PART 4: AFFECTED PROPERTY

Core clause 11.2(2) states

"Affected Property is property which

- Is affected by the work of the *Contractor* or used by the *Contractor* in Providing the Service
- is in the documents which the Contract Data states it is in."

In Contract Data, reference has been made to this Part 4 of the contract for the location of the Affected Property .

1. Description of the Affected Property and its surroundings

1.1. General description

The work will be conducted within a bunded tank farm consisting of two 108m³ tanks. Adjacent to this area is a pump house. All of the mentioned areas are contained within palisade fencing. The work will be done at the Vryheid East Locomotive Movement Depot. The tank farm and surrounding areas do not have a spill slab and care should be taken to avoid any spillages as soil remediation is for the contractor's account. There is a car park nearby to where the work is being carried out.

1.2. Existing buildings, structures, and plant & machinery on the Affected Property

Please consult drawing attached
16723-41-21 Vryheid

1.3. Subsoil information

Not applicable

1.4. Hidden services

Not applicable

1.5. Other reports and publicly available information

The contractor is required to provide their own electricity and water. There is no generator on site.

Mandatory Agreement

OCCUPATIONAL HEALTH AND SAFETY ACT 85 of 1993 (AS AMENDED)

AGREEMENT WITH MANDATORY

In terms of Section 37(1) & (2)

WRITTEN AGREEMENT ENTERED INTO AND BETWEEN

Transnet SOC Ltd

(Hereinafter referred to as the Employer)

AND

(Hereinafter referred to as Mandatory (Principal Contractor))

Compensation Fund Number :

Project Name :

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28. HEADING

PREAMBLE

WHEREAS section 37(1) & (2) of the Occupational Health and Safety Act No 85 of 1993 ("the Act") requires that parties have an agreement in writing to ensure compliance by a mandatory in line with the provisions of the Act.

AND WHEREAS Transnet SOC Ltd requires the services of the Contractors to execute certain projects within its workshops.

AND WHEREAS TRANSNET SOC LTD can be better served by Contractors who have the infrastructure, specialist employees and expertise to execute such projects at the highest level of efficiency on short notice.

NOW THEREFORE the parties agree as follows;

1. DEFINITIONS

For the purpose of this agreement, unless the context indicates otherwise, the following definitions are set out for the terms indicated:

- 1.1 **"Act"** means the Occupational Health and Safety Act No 85 of 1993;
- 1.2 **"Agreement"** means this Mandatory agreement;
- 1.3 **"Contractor "** means the Mandatory;
- 1.4 **"COID Act"** means the Compensation for Occupational Injuries and Diseases Act No 130 of 1993.
- 1.5 **"Effective Date"** means the date of signature of this Agreement by the last party signing hereto;
- 1.6 **"Employer"** refers to TRANSNET SOC LTD;
- 1.7 **"Mandatory"** means an agent, Contractor or sub-contractor for work, but without derogating from the status in his own right as an employer or user;
- 1.8 **"Parties"** means TRANSNET SOC LTD and the Contractor, and **"Party"** shall mean either one of them, as the context indicates;
- 1.9 **"Principal Contract"** means the appointed contractor whereby such contractor has to provide goods and or services to TRANSNET SOC LTD.
- 1.10 **"Regulations"** means regulations promulgated in terms of the relevant legislation.
- 1.11 **"Section"** means the relevant section of the Occupational Health and Safety Act No 85 of 1993
- 1.12 **"Services"** means the services to be provided by the Contractor to TRANSNET SOC LTD.
- 1.13 **"TRANSNET SOC LTD"** means Transnet Group and all its operating divisions and Specialist units with (Registration No. **1990/000900/06**), a public company incorporated in accordance with the company laws of the Republic of South Africa;

2. INTERPRETATION

- 2.1 Clause headings in this Agreement are included for ease of reference only and do not form part of this Agreement for the purposes of interpretation or for any other purpose. No provision shall be construed against or interpreted to the disadvantage of either Party hereto by reason of such Party having or being deemed to have structured or drafted such provision.
- 2.2 Any term, word or phrase used in this Agreement, other than those defined under the clause heading "Definitions" shall be given its plain English meaning, and those terms, words, acronyms, and phrases used in this Agreement will be interpreted in accordance with the generally accepted meanings accorded thereto.
- 2.3 A reference to the singular incorporates a reference to the plural and vice versa.
- 2.4 A reference to natural persons incorporates a reference to legal persons and vice versa.
- 2.5 A reference to a particular gender incorporates a reference to the other gender.

3. REPORTING

- 3.1 The Mandatary and/or his designated person appointed in terms of Section 16(2) of the Occupational Health and Safety Act 85 of 1993 ("the OHS Act") shall report to the Risk Manager and/or a Project Manager and/or a representative designated by the Employer prior to commencing the work at the premises of the Employer.

4. WARRANTY OF COMPLIANCE

- 4.1 In terms of this Agreement the Mandatary warrants that he agrees to any of the arrangements and procedures as prescribed by the Employer and as provided for in terms of Section 37(2) of the OHS Act for the purposes of compliance with the OHS Act.
- 4.2 The Mandatary further warrants that he and/or his employees undertake to maintain such compliance with the OHS Act. Without derogating from the generality of the above, nor from the provisions of the said Agreement, the Mandatary shall ensure that the clauses as hereunder described are at all times adhered to by himself and his employees.
- 4.3 The Mandatary hereby undertakes to ensure that the health and safety of any other person on the premises is not endangered by the conduct of his activities and that of his employees.

5. APPOINTMENTS AND TRAINING

- 5.1 The Mandatary shall appoint competent persons as per Section 16(2) of the OHS Act. Any such appointed person shall be trained on any occupational health and safety matter and the OHS Act provisions pertinent to the work is to be performed under his responsibility. Copies of any appointments made by the Mandatary shall immediately be provided to the Employer.
- 5.2 The Mandatary shall further ensure that all his employees are trained on the health and safety aspects relating to the work to be done on the premises of the Employer and that they understand the hazards associated with such work being carried out on the premises. Without derogating from the foregoing, the Mandatary shall, in particular, ensure that all his users or operators of any materials, machinery or equipment are properly trained in the use of such materials, machinery or equipment.
- 5.3 Notwithstanding the provisions of the above, the Mandatary shall ensure that he, his appointed responsible persons and his employees are at all times familiar with the provisions of the OHS Act, and that they comply with the provisions of the Act.

6. SUPERVISION, DISCIPLINE AND REPORTING

- 6.1 The Mandatary shall ensure that all work performed on the Employer's a premise is done under strict supervision and that no unsafe or unhealthy work practices are permitted. Discipline regarding health and safety matters shall be strictly enforced against any of his employees regarding non-compliance by such employee with any health and safety matters.
- 6.2 The Mandatary shall further ensure that his employees report to him all unsafe or unhealthy work situations immediately after they become aware of such conditions and that he in turn immediately reports these to the Employer and/or his representative.

7. ACCESS TO THE OHS ACT

- 7.1 The Mandatary shall ensure that he has an updated copy of the OHS Act on site at all times and that this is accessible to his appointed responsible persons and employees, save that the parties may make arrangements for the Mandatary and his appointed responsible persons and employees to have access to the Employer's updated copy/copies of the Act.

8. COOPERATION

- 8.1 The Mandatary and/or his responsible persons and employees shall provide full co-operation and information if and when the Employer or his representative inquires into any occupational health and safety issues concerning the Mandatary. It is hereby recorded that the Employer and his representative shall at all times be entitled to make such inquiry.
- 8.2 Without derogating from the generality of the above, the Mandatary and his responsible persons shall make available to the Employer and his representative, on request, all and/or any checklists and inspection registers required to be kept by him in respect of any of his materials, machinery or equipment.

9. WORK PROCEDURES

- 9.1 The Mandatary shall, after having established the dangers associated with the work performed, develop and implement mitigation measures to minimize or eliminate such dangers for the purpose of ensuring a healthy and safe working environment. The Mandatary shall then ensure that his responsible persons and employees are familiar with such mitigation measures.
- 9.2 The Mandatary shall implement any other safe work practices as prescribed by the Employer and shall ensure that his responsible persons and employees are made conversant with such other safe work practices as prescribed by the Employer and that his responsible persons and employees adhere to such safe work practices.
- 9.3 The Mandatary shall ensure that work for which any permit is required by the Employer is not performed by his employees prior to the Employer obtaining such permit from the Mandatary.

10. HEALTH AND SAFETY MEETINGS

- 10.1 If required in terms of the OHS Act, the Mandatary shall establish his own health and safety committee(s) and ensure that his employees, being the committee members, provide health and safety representatives to attend the Employer's health and safety committee meetings.

11. COMPENSATION REGISTRATION

- 11.1 The Mandatary shall ensure that he has a valid proof of registration with the Compensation Commissioner, as required in terms of **COID Act**, and that all payments owing to the Commissioner are discharged. The Mandatary shall further ensure that the cover remain in force while any such employee is present on the premises.

12. MEDICAL EXAMINATIONS

- 12.1 The Mandatary shall ensure that all his employees undergo routine medical examinations and that they are medically fit for the purposes of the work they are to perform.

13. INCIDENT REPORTING AND INVESTIGATION

- 13.1 All incidents referred to in Section 24 of the OHS Act shall be reported by the Mandatary to the Department of Labour and to the Employer. The Employer shall further be provided with copies of any written documentation relating to any incident.
- 13.2 The Employer retains an interest in the reporting of any incident as described above as well as in any formal investigation and/or inquiry conducted in terms of section 32 of the OHS-Act into such incident.

14. SUBCONTRACTORS

- 14.1 The Mandatary shall notify the Employer of any subcontractor he may wish to perform work on his behalf on the Employer's premises. It is hereby recorded that all the terms and provisions contained in this clause shall be equally binding upon the subcontractor prior to the subcontractor commencing with the work. Without derogating from the generality of this paragraph:
- 14.1.1 The Mandatary shall ensure that training as discussed under appointments and training, is provided prior to the subcontractor commencing work on the Employer's premises.
- 14.1.2 The Mandatary shall ensure that work performed by the subcontractor is done under his strict supervision, discipline and reporting.
- 14.1.3 The Mandatary shall inform the Employer of any health and safety hazards and/or issue that the subcontractor may have brought to his attention.
- 14.1.4 The Mandatary shall inform the Employer of any difficulty encountered regarding compliance by the subcontractor with any health and safety instruction, procedure and/or legal provision applicable to the work the subcontractor performs on the Employer's premises.

15. SECURITY AND ACCESS

- 15.1 The Mandatary and his employees shall enter and leave the premises only through the main gate(s) and/or checkpoint(s) designated by the Employer. The Mandatary shall ensure that employees observe the security rules of the Employer at all times and shall not permit any person who is not directly associated with the work from entering the premises.
- 15.2 The Mandatary and his employees shall not enter any area of the premises that is not directly associated with their work.
- 15.3 The Mandatary shall ensure that all materials, machinery or equipment brought by him onto the premises are recorded at the main gate(s) and/or checkpoint(s). Failure to do this may result in a refusal by the Employer to allow the materials, machinery or equipment to be removed from the Employer's premises.

16. FIRE PRECAUTIONS AND FACILITIES

- 16.1 The Mandatary shall ensure that an adequate supply of fire-protection and first-aid facilities are provided for the work to be performed on the Employer's premises, save that the Parties may mutually make arrangements for the provision of such facilities.

- 16.2 The Mandatary shall further ensure that all his employees are familiar with fire precautions at the premises, which includes fire-alarm signals and emergency exits, and that such precautions are adhered to.

17. ABLUTION FACILITIES

- 17.1 The Mandatary shall ensure that an adequate supply of ablution facilities are provided for his employees performing work on the Employer's premises, save that the parties may mutually make arrangements for the provision of such facilities.

18. HYGIENE AND CLEANLINESS

- 18.1 The Mandatary shall ensure that the work site and surround area is at all times maintained to the reasonably practicable level of hygiene and cleanliness. In this regard, no loose materials shall be left lying about unnecessarily and the work site shall be cleared of waste material regularly and on completion of the work.

19. NO NUISANCE

- 19.1 The Mandatary shall ensure that neither he nor his employees undertake any activity that may cause environmental impairment or constitute any form of nuisance to the Employer and/or his surroundings.
- 19.2 The Mandatary shall ensure that no hindrance, hazard, annoyance or inconvenience is inflicted on the Employer, another Mandatary or any tenants. Where such situations are unavoidable, the Mandatary shall give prior notice to the Employer.

20. INTOXICATION NOT ALLOWED

- 20.1 No intoxicating substance of any form shall be allowed on site. Any person suspected of being intoxicated shall not be allowed on the site. Any person required to take medication shall notify the relevant responsible person thereof, as well as the potential side effects of the medication.

21. PERSONAL PROTECTIVE EQUIPMENT

- 21.1 The Mandatary shall ensure that his responsible persons and employees are provided with adequate personal protective equipment (PPE) for the work they may perform and in accordance with the requirements of General Safety Regulation 2 (1) of the OHS Act. The Mandatary shall further ensure that his responsible persons and employees wear the PPE issued to them at all material times.

22. PLANT, MACHINERY AND EQUIPMENT

- 22.1 The Mandatary shall ensure that all the plant, machinery, equipment and/or vehicles he may wish to utilize on the Employer's premises is/are at all times of sound order and fit for the purpose for which it/they is/are attended to, and that it/they complies/comply with the requirements of Section 10 of the OHS Act.
- 22.2 In accordance with the provisions of Section 10(4) of the OHS Act, the Mandatary hereby assumes the liability for taking the necessary steps to ensure that any article or substance that it erects or installs at the premises, or manufactures, sells or supplies to or for the Employer, complies with all the prescribed requirements and will be safe and without risks in terms of health and safety when properly used.

23. NO USAGE OF THE EMPLOYER'S EQUIPMENT

- 23.1 The Mandatary hereby acknowledges that his employees are not permitted to use any materials, machinery or equipment of the Employer unless the prior written consent of the Employer has been obtained, in which case the Mandatary shall ensure that only those persons authorized to make use of such materials, machinery or equipment, have access thereto.

24. TRANSPORT

- 24.1 The Mandatary shall ensure that all road vehicles used on the premises are in a roadworthy condition and are licensed and insured. The Mandatary shall ensure that all drivers shall have relevant and valid driving licenses and the Mandatary shall ensure that no vehicle/s shall carry passengers unless it is specifically designed to do and that all drivers shall adhere to the speed limits and road signs on the premises at all times.
- 24.2 In the event that any hazardous substances are to be transported on the premises, the Mandatary shall ensure that the requirements of the Hazardous Substances Act 15 of 1973 are complied with fully all times.

25. CLARIFICATION

- 25.1 In the event that the Mandatary requires clarification of any of the terms or provisions of this Agreement, he should take the necessary steps to contact the Risk Manager of the Employer to obtain such clarification.

26. DURATION OF AGREEMENT

- 26.1 This Agreement shall remain in force for the duration of the work to be performed by the Mandatary and/or while any of the Mandatary's employees are present on the Employer's premises.

27. NON COMPLIANCE WITH THE AGREEMENT

- 27.1 If the Mandatary fails to comply with any provisions of this Agreement, the Employer shall be entitled to give the mandatory 7 (seven) days written notice to remedy such non-compliance and if the Mandatary fails to comply with such notice, then the Employer shall forthwith be entitled but not obliged, without prejudice to any other rights or remedies which the mandatory may have in law,
- 271.1 to suspend the main Agreement; or
- 27.1.2 To claim immediate performance and/or payment of such obligations.
- 27.2 Should mandatory continue to breach the contract on three occasions, then the Employer is authorised to suspend the main contract without complying with the condition stated in the clause above.

28. HEADINGS

The headings as contained in this Agreement are for reference purposes only and shall not be construed as having any interpretative value in them or as giving any indication as to the meaning of the contents of the paragraphs contained in this Agreement.

Thus done and signed

at _____ on the _____ day of _____ 201__

For and on behalf of the Employer

Witnesses:

1. _____

2. _____

at _____ on the _____ day of _____ 201__

for and on behalf of the Mandatary

Witnesses:

3. _____

4. _____



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





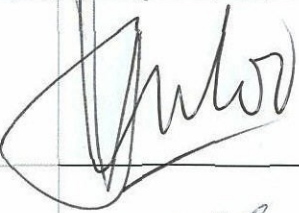



(This specification shall be used in network operator contracts)

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

Author:	Project Manager Capital Program (Electrical)	G. Maposa	
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"	Principal Engineer Infra Engineering (Structures)	J. Homan	
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"	Principal Engineer Technology Management (Electrical)	W. Coetzee	
"	Chief Engineer Transport Telecoms	D. Botha	 17 June 11
Authorised:	Chief Engineer Infrastructure Engineering	J. van Aardt	 2011/06/30

Date: May 2011

(This page not to be issued with contract)



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)

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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' 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.

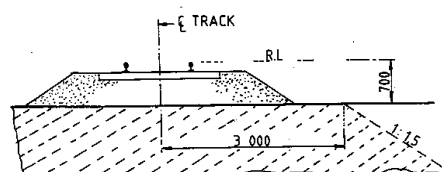


Fig. 1.

- 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 it's retention on site.

21.0 PROTECTION OF PERSONS AND PROPERTY

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

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

- 21.2 The Contractor shall take all the requisite measures and precautions during the course of the Works to:
- (i) protect the public and property of the public,
 - (ii) protect the property and workmen of both the network operator and the Contractor,
 - (iii) avoid damage to and prevent trespass on adjoining properties, and
 - (iv) ensure compliance with any instruction issued by the Contract Supervisor or other authorised person, and with any stipulation embodied in the contract documents which affects the safety of any person or thing.
- 21.3 The network operator will provide, at its own cost, protection for the safe working of trains during such operations as the Contract Supervisor may consider necessary. Protection by the network operator for any purpose whatsoever, does not absolve the Contractor of his responsibilities in terms of the Contract.
- 21.4 The Contractor shall take all precautions and appoint guards, watchmen and compound managers for prevention of disorder among and misconduct by the persons employed on the Works and by any other persons, whether employees or not, on the work site and for the preservation of the peace and protection of persons and property in the direct neighbourhood. Any relocation of camps because of disorder shall be at the Contractor's expense.
- 21.5 All operations necessary for the execution of the Works, including the provision of any temporary work and camping sites, shall be carried out so as not to cause 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.

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



QUALITY
INSPECTION &
ENGINEERING
SERVICES

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API 653 Tank Inspection Report



Client	TRANSNET
location	VRYHEID
Tank Number	TANK 2
Inspection Method	OUT OF SERVICE VISUAL INSPECTION
Report number	QIES-TRANS-VH-TK2-006
Inspected by	BRADLEY ARJUNAN
Inspection Date	03/02/2022

Inspection Scope:

Out-Of-service visual inspection on aboveground storage Tank 2 per guidelines of API653 latest edition.

Inspection History:

In service inspection carried out 8 April 2013 – Report number 21188-74

Safety Concerns:

None

Executive Summary:

Quality Inspection & Engineering Services CC was contracted by the Transnet to provide API653 Internal Inspection services for Tank 2 at the Vryheid facility in South Africa. Tank 2 was most likely constructed during the 1970s. The tank is 2.89m diameter x 16.4m tall and has a butt-welded shell, cone roof, and a dish end bottom. The tank is in Diesel service.

Tank Floor

1. MFL could not be carried out on the tank bottom due to the floor plate not having a flat surface to scan, a wall thickness test was carried out.
2. No indications found in the Vacuum box nor the MPI weld inspections.

Tank Annular External

1. Not inspected due to no chime stick out.

Tank Shell

1. No excessive thinning noted on the tank shell or appurtenances from Tank Shell 2 Scan and Wall Thickness Testing.

Tank Roof

1. No excessive thinning noted on the tank roof plate from Wall Thickness Testing.

Recommendations:

Next External Inspection:

All tanks shall be given a visual external inspection by an authorized inspector. This inspection shall be called the external inspection and must be conducted at least every five years or $RCA/4N$ years (where RCA is the difference between the measured shell thickness and the minimum required thickness in mils, and N is the shell corrosion rate in mils per year) whichever is less. Tanks may be in operation during this inspection.

Next UT Inspection:

When the corrosion rate is not known, the maximum interval shall be five years. Corrosion rates may be estimated from tanks in similar service based on thickness measurements taken at an interval not exceeding five years.

When the corrosion rate is known, the maximum interval shall be the smaller of $RCA/2N$ years (where RCA is the difference between the measured shell thickness and the minimum required thickness in mils, and N is the shell corrosion rate in mils per year) or 15 years.

Next Internal Inspection:

Out of Service inspections should be conducted in accordance with API 653 requirements provided that all recommendations in this report are addressed or if a change in condition has occurred and routine monthly inspections indicate the need for a formal in-service inspection.

References:

- API 653 "Tank Inspection, Repair, Alteration and Reconstruction". 5th Edition November 2014
- API 650 "Welded Tanks for Oil Storage". 13th Edition March 2020
- API RP 575 "Inspection Practices for Atmospheric and Low- Pressure Storage Tanks". 4th Edition July 2020
- API 2015 "Safe Entry and Cleaning of Petroleum Storage Tanks". 8th Edition January 2018.

Tank Data:

General	
Tank number	Tank 2
Tank type	Vertical Storage Tank
Construction Code	Unknown
Year of construction	1978
Manufacturer	Unknown
Nameplate attached?	No
Drawing available?	No
Product	Diesel
Design Specific Gravity g/cm ³	0.84
Last Inspection Date	8 April 2013
Inspection Type	In-Service
Corrosion Allowance	Unknown
Dimensions	
Diameter	2.89m
Height	16.4m
Maximum filling height	16.4m
Capacity	107.5m ³
Roof	
Roof type	Fixed Roof
Roof Construction	Butt welded
Pontoons?	None
Shell	
Material	Unknown
Shell Construction	Dish end
Height & Number of strakes	8 x 2400mm
Winder Girder installed?	No
Bottom	
Bottom Type	Slope
Material	Carbon Steel
Bottom Construction	Dish end
Annular Ring	None
Annular Plate Thickness	6mm
Internal Coating	None
Cathodic Protection	None
Foundation	
Foundation Type	Concrete
Leak Detection	None

External Inspection Results:

External - Shell Plate and Attachments:

The tank cylindrical shell plates consist of 8 x2.4m each strake height, the plates were butt welded to each other.

The coating on the tank is intact and secure. The shell surface and welded joints displayed to have no major corrosion (photos 1, 2 & 3).

Photo 1



Photo 2



Photo 3



The tank displayed to be supported with anchor chairs and holding down bolts present on the day of inspection and testing. The anchor chair, bolts and nuts display to be in good condition with minor surface corrosion.

The external bottom plate does not extend beyond the shell plate (photos 4, 5 & 6).

Photo 4



Photo 5



Photo 6



The quality of welding on the tank shell plates welded joints detected to be in good condition (photo 7 & 8). There were shell deflections noted at isolated locations throughout the tank shell (photo 9).

Photo 7



Photo 8



Photo 9



External - Nozzles and Attachments:

The tank shell nozzles displayed to be reinforced, comply with API 650 section 5.7.2.1 (photos 10 & 11). The manway reinforcing pad however does not have a tell hole and does not comply with API section 5.7.5.1, the tank manway also does not have a davit arm (photo 10). All nozzles and attachments welding are in good condition, secure and intact with good coating protection (photos 10, 11 & 12)

Photo 10



Photo 11



Photo 12



External - Roof Plates:

The tank fixed roof is coned type with a dished end plate welded directly to the shell plate with no curb angle. No visible weld joint on the roof plate. The coating is in fair condition with minor surface corrosion noted (photos 13, 14 & 15).

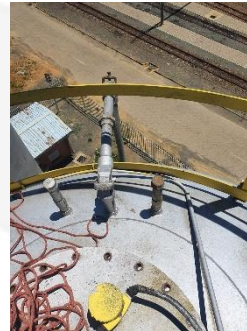
Photo 13



Photo 14



Photo 15



External - Roof Nozzles and Attachments:

Roof nozzle and attachment welding found to be in good condition, intact and secure. The coating has isolated areas of corrosion protection failure (photos 16, 17 & 18). Manhole displayed to have no hinge to aid on opening or closing the cover and do not comply with API 650 section 5.8.3.5 (photo 16). Manway bolt holes have coating failure (photos 16, 17 & 18)

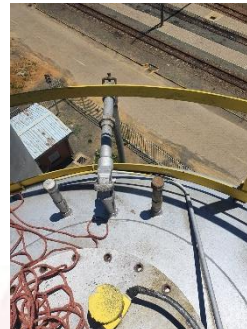
Photo 16



Photo 17



Photo 18



Cat ladder and Railings:

The cat ladder was welded direct to shell, the welding displayed to be in a satisfactory condition (photo 20 & 21). The cat ladder and railing have isolated areas of corrosion noted (photos 21, 22, 23 & 24).

Photo 19



Photo 20



Photo 21



Photo 22

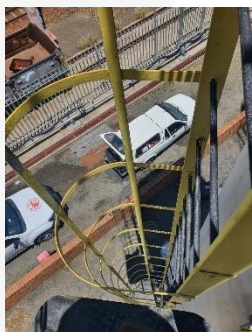
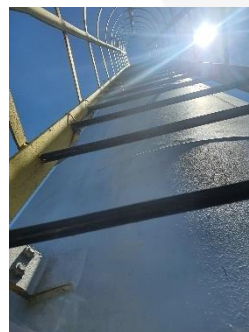


Photo 23



Photo 24



Roof Handrailing

The roof handrailing, stanchions, kick plate and knee rails shows surface corrosion due to coating failure at isolated areas (Photos 45, 46 & 47).

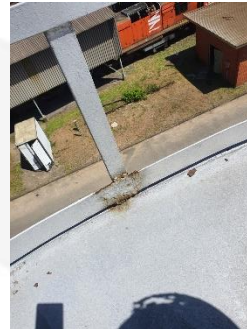
Photo 25



Photo 26



Photo 27



Foundation:

The tank was installed on a concrete pad wall approximately 50mm high (Photo 28 & 29). Earth grounding point detected on the tank shell (photo 30).

Photo 28



Photo 29



Photo 30



Insulation / Coating

The coating was in a good condition, it is recommended to mechanical remove the existing isolated areas of concern coating, clean, primer and re-coat to Transnet specification.

No Cathodic Protection Noted.

No firefighting system noted.

Internal Inspection Results:

Internal - Shell Plates:

General view of the tank shell plates found to be in good condition with minor pitting noted (photos 22, 23 & 24). An internal stiffening ring noted at all tank shell circumferential weld joint areas (photos 23 & 24). Porosity noted on stiffener ring to shell space welding (photos 23).

Photo 22



Photo 23



Photo 24



Internal - Nozzles and Attachments:

The internal shell nozzle and attachments display to be intact and secured with no major concerns (Photos 25, 26 & 27)

Photo 25



Photo 26



Photo 27



Internal - Floor Plate and All Attachments:

The tank bottom floor coating was removed prior to perform tank out of service inspection. The floor plate is a dished end with no visible floor plate to floor plate welding. Welding of the tank bottom to shell displayed to be in good condition (photos 28, 29 & 30).

The condition of floor surface displayed to have isolated (photos 28, 29 & 30).

No sump installed; the floor plate is sloped towards the centre (photo 30).

Photo 28**Photo 29****Photo 30**

Calculations:**Tank Floor**

API 653

Table 4.4—Bottom Plate Minimum Thickness = 2.54mm

Probabilistic method:

The probabilistic method was used to ascertain the remaining life calculations as follows:

$$\text{Corrosion Rate} = \frac{\text{Assumed original thickness} - \text{Minimum Actual single thickness reading}}{\text{Age of tank}}$$

$$\text{Years to retire} = \frac{\text{Minimum Actual single thickness reading} - \text{Minimum allowable thickness}}{\text{Corrosion Rate}}$$

Age of tank: **44 years**Assumed original thickness: **10mm**Minimum Actual single thickness reading: **7.93mm**Minimum allowable thickness: **2.54mm**

$$\text{Corrosion Rate} = \frac{10\text{mm} - 7.93\text{mm}}{44 \text{ years}}$$

$$\text{Corrosion Rate} = 0.047\text{mm}$$

$$\text{Years to retire} = \frac{7.93\text{mm} - 2.54\text{mm}}{0.047\text{mm}}$$

$$\text{Years to retire} = 114.68 \text{ years}$$

Actual thickness taken from UT report WT-2022-061

Tank Shell

The minimum acceptable shell plate thickness for tanks with diameters equal to or less than 200 ft shall be calculated as follows:

a. When determining the minimum acceptable thickness for an entire shell course, t_{min} is calculated as follows:

$$t_{min} = \frac{2.6 (H - 1) DG}{SE}$$

Where:

t_{min} = The minimum acceptable thickness, in inches.

D = Nominal diameter of tank, in ft,

H = Height from the bottom of the shell course under consideration to the maximum liquid level, in ft.,

G = Highest specific gravity of the contents,

S = Maximum allowable stress in lbf/in²;

E = Original joint efficiency for the tank.

Tank Info. Given

Number of years in- service - **46**

Product – **Diesel**

Product (G) - **Specific Gravity for Diesel is 0.84**

Diameter (D) – **9.47ft**

Height (H) – **53.79ft**

Material - **Unknown**

Plate width per course – **6.89ft for course 1 to 7, and 5.58ft for course 8.**

Allowable shell stress (bottom two courses) (S) – **23600 lbf/in²**

Allowable shell stress (all other courses) (S) - **26000 lbf/in²**

Weld joint efficiency (E) – **0.7**

Number of scan points – **4**

Actual minimum thickness reading taken from NDE report TB 2022-004

Table for Calculating minimum shell thickness (t min) for each shell course

			H		E		S	API 653 Required Calculation		Actual	Solution
Course	Height of each Course		Product Height Above Course	Type of Joint for each Course	Joint Eff API 653 Tbl 4.2 and 4.3	Material Type or Unknown Welded or riveted	Maximum Allowable Stress	$t_{min} = \frac{2.6 (H - 1) DG}{SE}$	Req'd t min	Minimum Thickness for Course	Actual Vs Req'd
	(in)	(ft)	(ft)		%		(psi)	API 653 4.3.3.1	(mm)	(mm)	Acc or Rej?
1	82.68	6.89	53.79	Butt	0.7	Welded unknown	23600	$\frac{2.6 (39.16 - 1) 24.66 \times 0.84}{23600 \times 0.7}$	2.54	4.50	Acc
2	82.68	6.89	46.9	Butt	0.7	Welded unknown	23600	$\frac{2.6 (32.6 - 1) 24.66 \times 0.84}{23600 \times 0.7}$	2.54	4.59	Acc
3	82.68	6.89	40.01	Butt	0.7	Welded unknown	26000	$\frac{2.6 (26.04 - 1) 24.66 \times 0.84}{26000 \times 0.7}$	2.54	4.53	Acc
4	82.68	6.89	32.12	Butt	0.7	Welded unknown	26000	$\frac{2.6 (19.48 - 1) 24.66 \times 0.84}{26000 \times 0.7}$	2.54	4.53	Acc
5	82.68	6.89	26.23	Butt	0.7	Welded unknown	26000	$\frac{2.6 (12.92 - 1) 24.66 \times 0.84}{26000 \times 0.7}$	2.54	4.53	Acc
6	82.68	6.89	19.34	Butt	0.7	Welded unknown	26000	$\frac{2.6 (12.92 - 1) 24.66 \times 0.84}{26000 \times 0.7}$	2.54	4.56	Acc
7	82.68	6.89	12.45	Butt	0.7	Welded unknown	26000	$\frac{2.6 (12.92 - 1) 24.66 \times 0.84}{26000 \times 0.7}$	2.54	4.50	Acc
8	66.96	5.58	5.58	Butt	0.7	Welded unknown	26000	$\frac{2.6 (12.92 - 1) 24.66 \times 0.84}{26000 \times 0.7}$	2.54	4.50	Acc

Shell Corrosion Rate Calculations API 653 6.3

Course	Shell Corrosion Rate Calculations API 653 6.3.2												
	Date(s)			A		B		N		RCA	RCA/4N Next External API 653 6.3.2	RCA/2N Next UT Inspection API 653 6.3.3	Remaining Life
	Year Built or Replaced	Inspection Year		Thickness				Corrosion Rate(s)		API 653 6.3.2.1 (A-B)			
				As Built	Measured		Calculated						
					Prev	Current	t min						
(yr)	(yr)	(yr)	(mm)	(mm)	(mm)	(mm)	(mm/yr)	(mm/yr)	(mm)	(yr)	(yr)	(yr)	
1	1978	2013	2022	10	5.56	4.50	2.54	0.113	0.125	1.96	3.92	7.96	15.68
2	1978	2013	2022	10	6.06	4.59	2.54	0.099	0.122	2.05	4.2	8.40	16.80
3	1978	2013	2022	10	6.09	4.53	2.54	0.098	0.124	1.99	4.01	8.02	16.04
4	1978	2013	2022	10	6.06	4.53	2.54	0.099	0.124	1.99	4.01	8.02	16.04
5	1978	2013	2022	10	6.09	4.53	2.54	0.098	0.124	1.99	4.01	8.02	16.04
6	1978	2013	2022	10	6.15	4.56	2.54	0.096	0.123	2.02	4.10	8.21	16.42
7	1978	2013	2022	10	6.45	4.50	2.54	0.105	0.125	1.96	3.92	7.96	15.68
8	1978	2013	2022	10	7.11	4.50	2.54	0.090	0.125	1.96	3.92	7.96	15.68

Roof

Roof Plate - API 653, Section 4.2.1.2: -

Roof plates corroded to an average thickness of less than 2.28mm (0.09 in) in any 0.065 m² (100 in²) area or roof plates with any holes through the roof plate shall be repaired or replaced.

Probabilistic method:

The probabilistic method was used to ascertain the remaining life calculations as follows:

$$\text{Corrosion Rate} = \frac{\text{Assumed original thickness} - \text{Minimum Actual single thickness reading}}{\text{Age of tank}}$$

$$\text{Years to retire} = \frac{\text{Minimum Actual single thickness reading} - \text{Minimum allowable thickness}}{\text{Corrosion Rate}}$$

Age of tank: **44 years**

Assumed original thickness: **10mm**

Minimum Actual single thickness reading: **7.9mm**

Minimum allowable thickness: **2.28mm**

$$\text{Corrosion Rate} = \frac{10\text{mm} - 7.9\text{mm}}{44 \text{ years}}$$

$$\text{Corrosion Rate} = 0.047\text{mm}$$

$$\text{Years to retire} = \frac{7.9\text{mm} - 2.28\text{mm}}{0.047\text{mm}}$$

$$\text{Years to retire} = 119 \text{ years}$$

Supplementary Non-Destructive Examination performed:

Wall Thickness Measurements:

- Was performed on the external shell plates, 8 strakes.
- Nozzles 4 points reading located at 0°, 90°, 180° & 270° on all nozzles.
- Roof plates
- Internal floor plates
- Please refer to reports: QIES-WT-006 & WT-2022-061

Magnetic Flux Leakage:

- MFL floor scan could not be done due to the shape of the floor.

Magnetic Particle Examination (MPI):

- Was conducted on the floor seam welds and nozzle welds, please refer to report QIES-MT-003

Liquid Penetrant Examination:

- Was not required

Out Of Roundness and Verticality:

- Not conducted

Settlement Survey:

- Was not conducted on tank floor

Calibration:

- Was not conducted on tank

B-Scan:

- Ultra-Sonic B-Scan was conducted on the shell plates, please refer to report TB 2022-004

Additions:

- No additional work was done other than specified in this inspection report in order to comply with the minimum requirements of the tank owner/operator and API653 latest addition.

Omission:

- Scope of work set out in this report was conducted successfully on this formal on-stream inspection interval, inspection intervals need to be scheduled as per this inspection report.

Non-conformance:

All non-conforming aspects of the tank should be taken into consideration. Due to service history not, all non-conforming items should be repaired, however to comply to code requirements these items

should be assessed and addressed based on the nature of the non-conformance and the integrity impact it has on the tank itself.

Recommended remedial repairs to restore the integrity of the tank:

Shell External and attachments:

1. The coating on the tank shell displayed to be in a good state, it is recommended to reinstate suitable corrosion protection as per Transnet specification and monitored on inspection intervals.
2. No relevant history / name plate on the tank and do not comply with API 650 section 10.1.2, it is recommended to install the name plate.
3. It is recommended to perform floor bottom settlements' and out of plumb.
4. Shell poor welding quality, it is recommended be monitored on inspection intervals.
5. The cat ladder has isolated areas of corrosion, it is recommended to clean, repair/replace and re-coat to Transnet specification.
6. No davit arm on both manways and do not comply with API 650 5.8.3.5, it is recommended to install davit arm on shell manways.
7. Install a suitable firefighting system.
8. Install cathodic protection.

Shell Internal and attachments:

9. Tank shell plates was intact, it is recommended to be monitored on inspection intervals.
10. Reinstate suitable corrosion protection as per Transnet specification.

Floor internal:

11. The tank floor shows cluster pitting corrosion, it is recommended to be mechanical clean, primer and apply corrosion protection coating with at least 10 years warranty.
12. The magnetic flux leakage detected the floor plates and displayed a maximum of material loss of 56%, it is recommended to install rounded corner repair plates on areas with above 50% material loss and apply coating on material loss below 50% includes the repaired areas.
13. Areas with pitting, mechanical dents, damages, indentation and bulges were detected on tank floor and was interfering with examination of bottom floor, it is recommended be addressed and monitored on inspection intervals.

Roof External and attachments:

14. The roof hand rails show to have corrosion, it is recommended to clean, repair and re-coat.
15. Severe corrosion on roof nozzles bolt holes it is recommended to be clean, repair and re-coated.
16. Roof manhole shows to have no hinges on the cover and do not comply with API 650 section 5.8.3.5, it is recommended to install hinges.
17. Roof plate have localized corrosion protection failure it is recommended to clean, repair and re-coat as per Transnet specification.

EQUIPMENT: TRANSNET VRYHEID TANK 2

TANK OUT OF SERVICE INSPECTION CHECKLIST

Item	Complete	Comments
C.2.1 OVERVIEW		
a. Check that tank has been cleaned, is gas free, and safe for entry.	Y	Acceptable
b. Check that the tank is completely isolated from product lines, all electrical power, and steam lines.	Y	Acceptable
c. Check that the roof is adequately supported, including fixed roof structure and floating roof legs.	Y	Fixed roof
d. Check for presence of falling object hazards, such as corroded-through roof rafters, asphalt stalactites, and trapped hydrocarbons in unopened or plugged equipment or appurtenances, ledges, etc.	Y	Not present
e. Inspect for slipping hazards on the bottom and roof decks.	Y	None
f. Inspect structural welds on access ways and clips.	Y	Acceptable
g. Check surfaces needing inspection for a heavy-scale build-up and check weld seams and oily surfaces where welding is to be done. Note areas needing more cleaning, including blasting.	Y	Acceptable
C.2.2 TANK EXTERIOR		
a. Inspect appurtenances opened during cleaning such as lower floating swing sheave assemblies, nozzle interiors (after removal of valves).	Y	Surface corrosion
b. Hammer test or ultrasonically test the roof.	Y	Visuals & UT on roof
c. Enter and inspect the floating roof pontoon compartments.	N/A	N/A
C.2.3 BOTTOM INTERIOR SURFACE		
a. Using a flashlight held close to and parallel to the bottom plates, and using the bottom plate layout as a guide, visually inspect and hammer test the entire bottom.	Y	Visually and MFL testing
b. Measure the depth of pitting and describe the pitting appearance (sharp edged, lake type, dense, scattered, etc.)	Y	Moderate pitting Up to 56% material loss
c. Mark areas requiring patching or further inspection.	Y	R1 marked
d. Mark locations for turning coupons for inspection.	N/A	
e. Inspect all welds for corrosion and leaks, particularly the shell-to-bottom weld.	Y	Acceptable
f. Inspect sketch plates for corrosion.	Y	Acceptable
g. Check condition of internal sump, if applicable. Standing liquid should be removed from the sump to allow for complete inspection and vacuum testing of weld seams as appropriate. Sump bottom and sidewall plate and seams need to be evaluated for both product-side and soil-side corrosion.	Y	Pitting noted

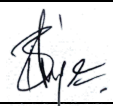
	h. Locate and mark voids under the bottom.	N	No access
	i. Record bottom data on a layout sketch using the existing bottom plates as a grid. List the number and sizes of patches required.	Y	NDE report - TFS-2022-003
	j. Vacuum test the bottom lap welds.	Y	NDE report QIES-VBT-002
	k. Hammer test or ultrasonically examine any slightly discolored spots or damp areas.	Y	NDE report - TFS-2022-003
	l. Check for reinforcing pads under all bottom attached clips, brackets, and supports.	Y	Acceptable
	m. Inspect floating roof leg pads for pitting or cutting, and excessive dimpling (indicating excessive loading).	N	N/A
	n. Check the column bases of fixed roof supports for adequate pads and restraining clips.	N	N/A
	o. In earthquake zones 3 and 4, check that the roof supports are not welded down to the tank bottom, but are only restrained from horizontal movement.	N/A	
	p. Check area beneath swing line cable for indications of cable cutting or dragging.	N/A	
	q. Mark old oil and air test connection for removal and patching.	N/A	
	r. Identify and report low areas on the bottom that does not drain adequately.	Y	Acceptable
	s. Inspect coating for holes, disbanding, deterioration, and discoloration.	Y	No coating
C.2.4	SHELL SEAMS AND PLATE		
	a. On cone up bottoms, closely inspect and gauge the depth of metal loss on the lower 2in. to 4in. of the shell (area of standing water).	N/A	
	b. Measure the depth of pitting on each course.	Y	Acceptable
	c. Inspect and estimate the amount of metal loss on the heads of the rivets and bolts.	N/A	
	d. Inspect shell-to-bottom riveted lap joints.	N/A	
	e. Inspect for vertical grooving damage from seal assembly protrusions.	N/A	
	f. Inspect existing protective coatings for damage, deterioration, and disbanding.	Y	Acceptable
	g. Check for areas of rubbing (indicating too much pressure by the seal assembly shoes or inadequate annular space).	Y	None
	h. Visually inspect the shell plates and seams for indications of leakage.	Y	Acceptable
	i. If the shell has riveted or bolted seams, record the leak locations by film or chart in case the locations are lost during surface preparation for painting.	N/A	
	j. Measure annular space at 40-ft intervals.	N/A	
	k. Survey the shell to check for roundness and plumb.	N	N/A
C.2.5	SHELL-MOUNTED OVERFLOWS		
	a. Inspect overflow for corrosion and adequate screening.	N/A	

	b. Check location of overflow that it is not above any tank valves or equipment.	N/A	
C.2.6	ROOF INTERIOR SURFACE		
C.2.6.1	General		
	a. Visually inspect the underside surface of the roof plates for holes, scale build-up, and pitting.	N/A	
	b. Hammer test or ultrasonically examined to check for thin areas, particularly in the vapour space of floating roofs and at edge of roof on cone roof tank.	N/A	
	c. Check all clips, brackets, braces, etc., welded to the roof deck plate for welded reinforcing pads and see that they have not broken free.	N/A	
	d. If no pad is present, penetrant test for cracking of the weld or deck plate.	N/A	
	e. Inspect for protective coating for breaks, disbanding, and deterioration.	N/A	
	f. Spark test the interior surface coating if recoating is not planned.	N/A	
C.2.6.2	Fixed Roof Supports Structure		
	a. Inspect the support columns for thinning in the upper 2 ft.	N/A	
	b. On API columns (two channels welded together) check for corrosion scale breaking the tack welds, unless the joint between the channels is completely seal welded.	N/A	
	c. Check that the reinforcing pad on the bottom is seal-welded to the tank bottom with horizontal movement restraining clips welded to the pad.	N/A	
	d. Determine if pipe column supports are concrete filled or open pipe. If open pipe, check for a drain opening in the bottom of the pipe.	N/A	
	e. Inspect and gauge rafters for thinning, particularly near the centre of the roof. Report metal loss.	N/A	
	f. Check for loose or twisted rafters.	N/A	
	g. Inspect girders for thinning and check that they are attached securely to the top of the columns.	N/A	
	h. Report if the columns have cross bracing in the area between the low pump out of the top of the shell (for future internal floating roof installation).	N/A	
	i. Inspect and report presence of any roof-mounted swing line bumpers.	N/A	
	j. Photograph the roof structure if no rafter layout drawing exists.	N/A	
C.2.7.	FIXED ROOF APPURTENANCES		
C.2.7.1	Inspection and Light Hatches	N/A	
	a. Inspect the hatches for corrosion, paint and coating failures, holes, and cover sealing.	Y	
	b. On loose covers, check for a safety chain in good condition.	N/A	
	c. On light hatches over 30in. across, check for safety rods.	N/A	
	d. Inspect the condition of the gaskets on bolted or latched down hatch covers.	Y	

C.2.7.2	Staging Support Connection		
a.	Inspect the condition of the staging support for corrosion.	N/A	
C.2.7.3	Breathers and Vents		
a.	Inspect and services the breather.	Y	
b.	Inspect screens on vents and breathers.	Y	
C.2.7.4	Emergency P/V Hatches		
a.	Inspect and service pressure/vacuum hatches. (Setting should be high enough to prevent chattering of breather during normal operation. See breather manufacturer's guide.)	Y	
b.	Inspect liquid seal hatches for corrosion and proper liquid level in the seal.	Y	
C.2.7.5	Sample Hatch		
a.	Inspect sample hatch for corrosion.	Y	
b.	Check that the cover operations properly.	Y	
c.	If the tank has no gauge well, check for a hold-off distance marker and check measurement.	N/A	
C.2.11.3	Shell Nozzles		
a.	Inspect shell nozzles for thinning and pitting.	Y	Coating failure
b.	Inspect hot tap nozzles for trimming of holes.	N/A	
c.	Identify type of shell nozzles.	Y	NDE report – QIES-WT-003
d.	Identify and describe internal piping, including elbow-up and elbow-down types.	Y	
C.2.11.4	For Nozzles Extended into the Tank		
a.	Inspect pipe support pads welded to tank bottom.	Y	Acceptable
b.	Inspect to see that pipe is free to move along support without strain or tearing action on bottom plate.	Y	Acceptable
c.	Inspect nozzle valves for packing leaks and damaged flange faces.	Y	Acceptable
d.	Inspect heater stream nozzle flanges and valves for wire cutting.	N/A	
e.	Report which nozzles have thermal pressure relief bosses and valves.	Y	Both Inlet & Outlet nozzles
f.	In internal elbow-down fill line nozzles, inspect the wear plate on the tank bottom.	N/A	
g.	On elbow-up fill lines in floating roof tanks, check that opening is directed against underside of roof, not against vapour space. Inspect impact area for erosion.	N/A	
C.2.12	ACCESS STRUCTURES	N/A	



C.2.12.1	Handrails		
a.	Identify and report type (steel pipe, galvanized pipe, square tube, and angle) and size of handrails.	Y	Angle iron
b.	Inspect for pitting and holes, paint failure.	Y	Paint failure
c.	Inspect attachment welds.	Y	Paint failure
d.	Identify cold joints and sharp edges. Inspect the handrails and midribs.	N/A	
e.	Inspect safety drop bar (or safety chain) for corrosion, functioning, and length.	N/A	
f.	Inspect the handrail between the rolling ladder and the gauging platform for a hazardous opening when the floating roof is at its lowest level.	N/A	
C.2.12.2	Platform Frame	N/A	
a.	Inspect frame for corrosion and paint failure.	Y	Surface corrosion due to paint failure
b.	Inspect the attachment of frame to supports and supports to tank for corrosion and weld failure.	Y	Paint failure
c.	Check reinforcing pads where supports are attached to shell or roof.	Y	Welded direct to shell
d.	Inspect the surface that deck plate or grating rests on, for thinning and holes.	Y	Paint failure
e.	Check that flat-surface-to-flat-surface junctions are seal-welded.	Y	Sealed
C.2.12.3	Deck Plate and Grating		
a.	Inspect deck plate for corrosion-caused thinning or holes (not drain holes) and paint failure.	Y	Anti-slip plates coating failure
b.	Inspect plate-to-frame weld for rust scale build-up.	Y	Paint failure
c.	Inspect grating for corrosion-caused thinning of bars and failure of welds.	Y	Paint failure
d.	Check grating tie down clips. Where grating has been retrofitted to replace plate, measure the rise of the step below and above the grating surface and compare with other risers on the stairway.	Y	None, Anti-slip plates
C.2.12.4	Stairway Stringers		
a.	Inspect spiral stairway stringers for corrosion, paint failure, and weld failure. Inspect attachment of stairway treads to stringer.	Y	None, welded direct to shell
b.	Inspect stairway supports to shell welds and reinforcing pads.	Y	None
c.	Inspect steel support attachment to concrete base for corrosion.	Y	None

API 653 Inspector	BRADLEY ARJUNAN	Signature	
Certification No.	56278	Date	01/02/2022

To Whom It May Concern,

CERTIFICATE OF INSURANCE: TRANSNET (SOC) LIMITED – PRINCIPAL CONTROLLED INSURANCE

In our capacity as Insurance Brokers to the Transnet Group of Companies, we hereby certify that the undermentioned insurances are currently in place:

INSURED: Transnet (SOC) Limited

PERIOD: 1 April 2023 to 31 March 2024 (Both days inclusive)

DIVISION: Transnet Freight Rail, Transnet Engineering, Transnet Properties, Transnet Pipelines, Transnet National Ports Authority and Transnet Port Terminals

THE INSURED'S VAT NO: 4720103177

THE INSURED'S COMPANY REGISTRATION NO: 1990/000900/30

POSTAL ADDRESS (Head Office) Carlton Centre, 150 Commissioner Street, Johannesburg, 2001

CONTRACT WORKS INSURANCE

Cover Provided : Contract Works - Physical loss or damage to the Property Insured which being materials, plant and other things for incorporation into the permanent works.

Insurer : Mirabilis (Santam Limited)

Policy Number : MZAR35023-CAR

The Contract Site : Any location within the Territorial Limits upon which The Insured Contract is to be executed or carried out as more fully defined in The Insured Contract documents together with so much of the surrounding area as may be required or designated for the performance of The Insured Contract.

Territorial Limits : The Republic of South Africa.

Additional Co-Insureds:

The Contractor: All Contractors undertaking work in connection with The Insured Contract including the Employer to the extent that the Employer undertakes work in connection with The Insured Contract;

Sub-Contractors: All Sub-Contractors employed by the Contractor and all other Sub- Contractors (whether nominated or otherwise) engaged in fulfilment of The Insured Contract; and to the extent required by any contract or agreement; transporters, suppliers, manufacturers, vendors, other persons, persons providing storage facilities, plant

owners and/or operators in respect of liability loss or damage arising out of The Insured Contract; project managers, architects, land surveyors, quantity surveyors, engineers and other advisors or consultants or sub-consultants appointed in the performance of the Insured Contract activities arising at the Contract Site provided always that any such person shall not be insured hereunder in respect of liability loss or damage arising out of such person's error or omission in the performance of the professional services for which he was appointed;

Provincial & Government: any Local Provincial or Government Department with which the Insured enters into any contract or agreement for the performance of The Insured Contract; all for their respective rights and interests.

Insured Contracts : All Contracts (including any undertaking awarded or commenced prior to Inception of the Period of Insurance) involving design, construction, Performance Testing and Commissioning in respect of the Works and shall Include capital expenditure, upgrade, modification, maintenance or overhaul, refurbishment, renovation, retrofitting or alterations and additions to existing facilities undertaken by the Insured or other Insured Parties acting on their behalf but **excluding**;

- a) contracts which at award stage have a value in excess of R 1,000,000,000;
- b) contracts with an estimated construction period exceeding 48 months but increasing to 60 months in respect of rail maintenance contracts and Transnet Freight and Rail contracts for logistical support for inline inspections and identification of defects over a 5 year period in respect of Transnet's pipeline assets (excluding Defects Liability/Maintenance period);
- c) contracts involving construction or erection of petrochemical manufacturing plant(s) but this exclusion shall not apply to pipelines and other associated works undertaken by or on behalf of the Insured;
- d) contracts in or on any aircraft;
- e) Off-shore contracts;
- f) Wet Risk Contracts which at award exceeds R500,000,000;
- g) Dam Contracts
- h) Tunnel contracts which at award exceeds R50,000,000;
- i) Tunnel contracts using tunnel boring machines;
- j) Underground Mining Contracts;
- k) Horizontal Directional Drilling Contracts which at award exceeds R50,000,000;
- l) Horizontal Directional Drilling Contracts where total drilling exceeds 1 km;
- m) Horizontal Directional Drilling Contracts for pipe diameters greater than 76 cm.

Definitions

1. *"Off-shore contracts" means all works and installations in the sea or on the seabed including dredging which are accessible only by ship boat barge or helicopter and do not constitute normal wet works like harbours moles bridges wharves or sewage or cooling water intake or outlet facilities. "OffShore Contracts" shall include oilrigs and oil platforms (but not including oil platforms when connected to the land on completion). The term shall not apply to pre-fabrication works on land associated with an Off-Shore Contract.*

- 2 *"Wet Risk Contracts" shall mean any Contract and/or Works where more than thirty-five (35) percentile of its value is in a permanent body of water or is below the high water mark of any tidal body of water. The term shall include contracts for the construction of wharves, piers, marinas, causeways, breakwaters, jetties, dry docks and offshore pipelines when connected directly to on-shore facilities and canal developments. Wet Risks shall exclude Off- Shore Contracts;*
- 3 *"Dam Contracts", which term shall include weirs and hydroelectric projects involving the construction of dams or weirs;*
- 4 *"Horizontal Directional Drilling Contracts", means micro-tunnelling work for the construction of tunnels utilising surface based horizontal directional drilling equipment.*
- 5 *Tunnels" means Tunnels (Including declines) involving all of the following;*
 - (a) Works below ground level; and
 - (b) Tunnelling machinery below ground level; and
 - (c) A tunnelling crew operating the machinery below ground level;
 - (d) But shall not include Horizontal Directional Drilling Contracts
- 6 *"Horizontal Directional Drilling Contracts", means micro-tunnelling work for the construction of tunnels utilising surface based horizontal directional drilling equipment.*
- 7 *"Underground Mining Contracts", which shall mean any contract involving underground mining.*

Testing Period: 120 Days not consecutive.

Maintenance Period : 12 Months

Main Policy Extensions :

- Costs & Expenses - Limited to maximum of R50,000,000.
- Expediting Measures – Limited to a maximum of R50,000,000.
- Professional Fees In Reinstatement Of Property Insured - Limited to a maximum of R50,000,000.
- Costs & Expenses For Removal Of Debris No Damage - Limited to a maximum of R50,000,000.
- Surrounding Property in care custody or control of the contractor – Limited to a maximum of R55,000,000.
- Fire Brigade & Public Authorities - Limited to a maximum of R10,000,000.
- Public Authority Reinstatement Costs - Limited to a maximum of R20,000,000
- Public Relationship Costs - Limited to a maximum of R1,000,000.
- Records - Limited to a maximum of R2,000,000.
- Removal to Gain Access - Limited to a maximum of R20,000,000

- Road Reserve and Servitude Extensions - Limited to a maximum of R10,000,000
- Search & Locate Costs - Limited to a maximum of R20,000,000.
- Borrowing Of Plant For Commissioning Purposes - Limited to a maximum of R10,000,000
- Escalation during Construction – 30%
- Marine Contribution Clause
- Claim Preparation Costs – Limited to a maximum of R10,000,000

Main Policy Exclusions :

- War
- Nuclear Energy Risks
- Terrorism
- Computer Loss General Exception
- DE4 (All types of Works) for defective material workmanship design plan or specification.
- LEG 3 (Mechanical or Electrical Engineering Works only) for defective material workmanship design plan or specification. Limited to maximum of 15% of the total estimated contract value.
- Loss or damage arising during air transit or any ocean voyage or whilst in storage thereafter.
- Occurring during any defects/maintenance period unless cause occurred prior to such defects/maintenance period
- Disappearance or by shortage revealed during routine inventory or periodic stocktaking.
- Consequential loss of whatsoever nature.
- Normal wear and tear, normal atmospheric conditions, rust, erosion, corrosion or oxidisation.
- Due to its own explosion breakdown or derangement occurring after the Testing Period which has operated under load conditions.
- Second hand property due to its own electrical or mechanical breakdown or explosion.
- Cyber and Data

Deductibles:

In respect of loss or damage:

Major Perils shall mean damage caused by storm, rain, tempest, wind, flood, theft, malicious damage, subsidence, collapse, earthquake, testing or commissioning and the consequences of defective design, specification, materials or workmanship (DE4).

Minor Perils shall mean damage caused by a peril not defined as Major Perils defined above.

Contracts with a contract value :	Major perils	Minor perils
0 to R100,000,000	R25,000	R15,000
R100,000,001 to R250,000,000	R50,000	R15,000

R250,000,001 to R500,000,000	R100,000	R25,000
R500,000,001 to R1,000,000,000	R150,000	R25,000

Minimum wet risk deductible of R100,000 per occurrence to apply.

LEG 3 Deductible (Only in respect of Mechanical and Electrical contracts);

Contracts with a contract value	Deductible
0 to R500,000,000	R1,000,000 per occurrence
R500,000,001 to R1,000,000,000	R1,500,000 per occurrence

PUBLIC LIABILITY

Cover Provided :	Contract Works Public Liability – cover the Insured's legal liability in respect of loss or damage or injury to third parties arising out of work performed in respect of the Insured Contracts.
Insurer :	Stalker Hutchinson (Santam Limited)
Policy Number:	6000/132335
Territorial Limits :	The Republic of South Africa.
Insured Contracts:	<p>All contracts (including any undertaking awarded or commenced prior to inception of the period of Insurance) involving design, construction, performance testing and commissioning in respect of the works and shall include capital expenditure, upgrade, modification, maintenance or overhaul, refurbishment, renovation, retrofitting or alterations and additions to existing facilities undertaken by the Insured or other Insured Parties acting on their behalf but Excluding:</p> <ul style="list-style-type: none"> a) Contracts which at award stage have a value in excess of R 1,000,000,000. b) Contracts with an estimated construction period at award exceeding 48 months but 60 months in respect of contracts awarded prior to 1 April 2020 for rail maintenance contracts For Transnet Freight & Rail and for Transnet Pipeline's logistical support for inline inspections and identification of defects in respect of Transnet's pipeline assets (all excluding Defects Liability/Maintenance period). c) Contracts with a Contractual Defects Liability Maintenance Period exceeding 24 months. d) Contracts involving construction or erection of petrochemical manufacturing plant(s) but this exclusion shall not apply to pipelines and other associated works undertaken by or on behalf of the Insured. e) Contracts in or on any aircraft. f) Off-shore contracts - "Off-shore contracts" means all works and installations in the sea or on the seabed and do not constitute normal Wet Risk Contracts like harbours, moles, bridges, wharves or sewage or cooling water intake or outlet facilities, piers, marinas, causeways, breakwaters, jetties, dry docks and

offshore pipelines when connected directly to onshore facilities and canal developments. "Off-Shore contracts" shall include oilrigs and oil platforms.

Policy Limits:

Contractors Public Liability	R100,000,000 any one occurrence / unlimited during the Period of Insurance
Contractors Negligent Removal or weakening of Support	R100 000 000 any one occurrence and R100,000,000 per site in the aggregate during the Period of Insurance.
Statutory Legal Defence Costs	*R5 000 000 in the aggregate during the Period of Insurance.
Arrest / Assault / Defamation	*R5 000 000 in the aggregate during the Period of Insurance.
Prevention of Access	*R5 000 000 in the aggregate during the Period of Insurance.
Trespass / Nuisance	*R5 000 000 in the aggregate during the Period of Insurance.
Claims Preparation Costs	R5 000 000 any one occurrence

*Where the limits are noted as in the aggregate during the policy period of insurance, that such aggregated limit is applicable to all Transnet Insured Contracts collectively and in total and does not apply to each contract separately.

Deductible(s) : R50,000 per occurrence but increased to R5,000,000 in respect of Spread of Fire and/or Hot Works and R250,000 in respect of Sudden and Accidental Pollution and/or Goods on the Hook and/or R150,000 in respect of Developers Removal of Support.

General Policy Exclusions :

The policy does not cover:-

- deliberate, conscious and intentional disregard to take reasonable precautions.
- fines, penalties, punitive and exemplary damages.
- Pollution unless caused by a sudden, unintended and unexpected occurrence.
- cost of removing, nullifying or cleaning up the effects of pollution unless caused by a sudden, unintended and unexpected occurrence.
- the hazardous nature of asbestos.
- War And Terrorism Risks.
- Nuclear Risks.
- Actual or alleged unlawful competition, unfair practices, abuse of monopoly power, cartel activities
- Compulsory Insurance

- Loss or damage and any consequence therefrom to any Data. •
- Sanctions Exclusion
- Grid Failure

PROFESSIONAL INDEMNITY

Cover Provided :

Professional Indemnity

- In respect of damages which the Insured shall become legally liable to pay in consequence of neglect, error or omission by or on behalf of the Insured in the conduct or execution of their Professional Activities and Duties as defined.
- Prior To Handover/Rectification - against loss arising out of any defect in the works discovered prior to the issue of any practical completion or take-over certificate provided that any such defects are caused by a negligent breach of a Professional Activity or Duty by the Insured in consequence of neglect, error or omission by or on behalf of the Insured.

Insurer :

Stalker Hutchinson (Santam Limited)

Policy Number:

6000/132337

Jurisdiction :

Worldwide excluding North America

Insured Contracts:

All contracts (including any undertaking awarded or commenced prior to inception of the period of Insurance) involving design, construction, performance testing and commissioning in respect of the works and shall include capital expenditure, upgrade, modification, maintenance or overhaul, refurbishment, renovation, retrofitting or alterations and additions to existing facilities undertaken by the Insured or other Insured Parties acting on their behalf but **Excluding**:

- Contracts which at award stage have a value in excess of R 1,000,000,000.
- Contracts with an estimated construction period at award exceeding 48 months (excluding Defects Liability/Maintenance period).
- Contracts with a Contractual Defects Liability Maintenance Period exceeding 24 months.
- Contracts involving construction or erection of petrochemical manufacturing plant(s) but this exclusion shall not apply to pipelines and other associated works undertaken by or on behalf of the Insured.
- Contracts in or on any aircraft.
- Off-shore contracts - "Off-shore contracts" means all works and installations in the sea or on the seabed and do not constitute normal Wet Risk Contracts like harbours, moles, bridges, wharves or sewage or cooling water intake or outlet facilities, piers, marinas, causeways, breakwaters, jetties, dry docks and offshore pipelines when connected directly to onshore facilities and canal developments. "Off-Shore contracts" shall include oilrigs and oil platforms.

Limit Of Indemnity:

Professional Indemnity -

*R100,000,000 in the aggregate during the policy period of insurance.

*Where the limit is noted as in the aggregate during the policy period of insurance, that such aggregated limit is applicable to all Transnet Insured Contracts collectively and in total and does not apply to each contract separately.

**Policy Extension
Limits Of Indemnity:**

Claims Preparation Costs -	*R7,500,000 in the aggregate during the policy period of insurance.
Loss of Documents -	*R2,000,000 in the aggregate during the policy period of insurance.
Statutory Defence Costs -	*R5,000,000 in the aggregate during the policy period of insurance.
Defamation -	*R5,000,000 in the aggregate during the policy period of insurance.
Infringement of Copyright -	*R5,000,000 in the aggregate during the policy period of insurance.

*Where the limits are noted as in the aggregate during the policy period of insurance, that such aggregated limit is applicable to all Transnet Insured Contracts collectively and in total and does not apply to each contract separately.

Deductibles:

R5,000,000 each and every but R10,000 in respect of Claims Preparation Costs, Loss of Documents, Statutory Defence Costs, Defamation and Infringement Of Copyright.

Policy Special Conditions :

Condition precedent to liability that the Insured is fully qualified and registered with the relevant Industry Body/Association in terms of legislation as applicable.

Prior to hand over/rectification – the insured must give prior written notice to the Insurers of the intention to take remedial action to rectify such defect and obtain the Insurers' written agreement to such action being taken and the costs and expenses expected to be expended.

Policy Main Exclusions:

- Excludes all consequential loss other than cost of re-design, rectification and replacement as a consequence of the defect.
- Excludes Supervision.
- Excludes liability arising out of environmental impairment / pollution
- Excludes the cost of removing, nullifying or cleaning-up the effects of environmental impairment/ pollution.
- Excludes war, invasion, acts of foreign enemies, hostilities or warlike operations (whether war be declared or not), civil war, rebellion, revolution, insurrection, civil commotion assuming the proportions of or amounting to an uprising, military or usurped power, any act of terrorism and nuclear risks.
- Excludes fines, penalties, punitive and exemplary damages, multiplication of compensatory damages and/or any other noncompensating damages of any kind.
- Excludes liability from the hazardous nature of asbestos.
- Excludes medical malpractice.

- Excludes failure to meet contractual requirements relating to efficiency, output or durability.
- Excludes failure to meet completion dates
- Excludes the estimation of probable costs other than cost advice and cost planning services normally provided by a Quantity Surveyor or Project manager.
- Excludes incorrect authorisation of payment.
- Excludes breach of any statutory regulation.
- Excludes liability from the insolvency, liquidation or judicial management of the Insured.
- Excludes the certification of value of work executed by any contractor where the Insured has an equity interest in such contractor;
- Excludes liability due to unlawful competition, unfair practices, abuse of monopoly power, cartel activities or breach of a competitions ac
- Sanctions Exclusion
- Grid Failure

This certificate of the insurance cover arranged is issued as a matter of information only and confers no rights upon the certificate holder. This certificate does not amend, extend or alter the coverage afforded by the policies issued by Insurers.

Dennis Govender



Chief Broking Officer