

TRANSNET FREIGHT RAIL

An Operating Division of **TRANSNET SOC LTD**

[Hereinafter referred to as **Transnet**]

Registration Number 1990/000900/30

REQUEST FOR QUOTATION [RFQ] No CRAC-DNR-45975

FOR THE SUPPLY OF: Supply of Geotechnical Investigations and reports at Mount Edgecombe (PM 210152263), Kenville (PM 210151239), Duffs Road (PM 210177533), Ottawa (PM 210151846) and Fraser (PM 210172504) on the North Coast.

ISSUE DATE: 28 November 2024

CLOSING DATE: 03 December 2024

CLOSING TIME: 12:00 PM

Note to the bidders:

Bidders 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 Bidder can upload 30mb per upload and multiple uploads are permitted.

SECTION 1: SBD1 FORM

PART A

INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF SUPPLY OF GEOTECHNICAL INVESTIGATIONS & REPORTS AT MOUNTEDGECOMBE, KENVILLE, DUFFS ROAD, OTTAWA AND FRASER ON THE NORTHCOAST, TRANSNET FREIGHT RAIL, A DIVISION TRANSNET SOC LTD

BID NUMBER:	CRAC-DNR-45975	ISSUE DATE:	28 November 2024	CLOSING DATE:	03 December 2024	CLOSING TIME:	12h00 pm
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DESCRIPTION Supply of Geotechnical Investigations and reports at Mount Edgcombe (PM 210152263), Kenville (PM 210151239), Duffs Road (210177533), Ottawa(PM 210151846) and Fraser(PM 210172504) on the North Coast.

REFERENCE NUMBER TFR/2024/11/0006/84426/RFQ

BID RESPONSE DOCUMENTS 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.

RESPONDENTS ARE TO UPLOAD THEIR BID RESPONSE PROPOSALS ONTO THE TRANSNET SYSTEM AGAINST EACH TENDER/RFQ SELECTED.

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

- Log on to the Transnet eTenders management platform website/Portal (transnetetenders.azurewebsites.net) (please use **Google Chrome** to access Transnet link/site free of charge);
- 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.
- No late submissions will be accepted. The bidder guide can be found on the Transnet Portal transnetetenders.azurewebsites.net

BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO		TECHNICAL ENQUIRIES MAY BE DIRECTED TO:	
CONTACT PERSON	Carroll Smith	CONTACT PERSON	Sinethemba Sibiya
TELEPHONE NUMBER	031 361 4123	TELEPHONE NUMBER	031 361 1178
FACSIMILE NUMBER	n/a	FACSIMILE NUMBER	n/a
E-MAIL ADDRESS	Carroll.Smith@transnet.net	E-MAIL ADDRESS	Sinethemba.Sibiya@transnet.net

SUPPLIER INFORMATION

NAME OF BIDDER			
POSTAL ADDRESS			
STREET ADDRESS			
TELEPHONE NUMBER	CODE		NUMBER
CELLPHONE NUMBER			
FACSIMILE NUMBER	CODE		NUMBER
E-MAIL ADDRESS			
VAT REGISTRATION NUMBER			

SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE	UNIQUE REGISTRATION REFERENCE NUMBER: MAAA
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	TICK APPLICABLE BOX] ☐ Yes ☐ No	B-BBEE STATUS LEVEL SWORN AFFIDAVIT	[TICK APPLICABLE BOX] ☐ Yes ☐ No		
[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT MUST BE SUBMITTED FOR PURPOSES OF COMPLIANCE WITH THE B-BBEE ACT]					
1 ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES ENCLOSE PROOF]	2 ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES, ANSWER QUESTIONNAIRE BELOW]		
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS					
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? ☐ YES ☐ NO DOES THE ENTITY HAVE A BRANCH IN THE RSA? ☐ YES ☐ NO DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA? ☐ YES ☐ NO DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA? ☐ YES ☐ NO IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION? ☐ YES ☐ NO IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 1.3 BELOW.					

PART B TERMS AND CONDITIONS FOR BIDDING

1. TAX COMPLIANCE REQUIREMENTS
1.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS. 1.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS. 1.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA. 1.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID. 1.5 IN BIDS WHERE UNINCORPORATED CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER. 1.6 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.

NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

SIGNATURE OF BIDDER:.....

CAPACITY UNDER WHICH THIS BID IS SIGNED:

(Proof of authority must be submitted e.g. company resolution)

DATE:_____

SECTION 2: NOTICE TO BIDDERS

1 Responses to RFQ

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

2 Formal Briefing

A formal briefing session will not be held but should Respondents have specific queries they should email these to the Transnet employee(s) indicated in paragraph 3 [*Communication*] below:

3 Communication

3.1 Specific queries relating to this RFQ before the closing date of the RFQ should be submitted onto the system and to Carroll.Smith@transnet.net before **12:00 pm on 03 December 2024**. In the interest of fairness and transparency Transnet's response to such a query will then be made available to other bidders.

3.2 It is prohibited for Respondents to attempt, either directly or indirectly, to canvass any officer or employee of Transnet in respect of this RFQ between the closing date and the date of the award of the business.

3.3 Respondents found to be in collusion with one another will be automatically disqualified and restricted from doing business with organs of state for a specified period.

3.4 Respondents may also, at any time after the closing date of the RFQ, communicate with the Sinethemba Sibiya on any matter relating to its RFQ response:

Telephone 031 361 1178

Email: Sinethemba.Sibiya@transnet.net

3.5 All unsuccessful bidders have a right to request Transnet to furnish individual reasons for their bid not being successful. This requested must be directed to the contact person stated in the SBD 1 form

4 Legal Compliance

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

5 Employment Equity Act

Respondents must comply with the requirements of the Employment Equity Act 55 of 1998 applicable to it including (but not limited to) Section 53 of the Employment Equity Act.

6 Changes to Quotations

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

7 Binding Offer

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

8 Disclaimers

8.1 Respondents are hereby advised that Transnet is not committed to any course of action as a result of its issuance of this RFQ and/or its receipt of a Quotation in response to it. Please note that Transnet reserves the right to:

- modify the RFQ's goods / service(s) and request Respondents to re-bid on any changes;

- reject any Quotation which does not conform to instructions and specifications which are detailed herein;
- disqualify Quotations submitted after the stated submission deadline;
- not necessarily accept the lowest priced Quotation or an alternative bid;
- place an order in connection with this Quotation at any time after the RFQ's closing date;
- award only a portion of the proposed goods / services which are reflected in the scope of this RFQ;
- split the award of the order/s between more than one Supplier/Service Provider should it at Transnet's discretion be more advantageous in terms of, amongst others, cost or developmental considerations;
- cancel the quotation process;
- Validate any information submitted by Respondents in response to this bid. This would include, but is not limited to, requesting the Respondents to provide supporting evidence. By submitting a bid, Respondents hereby irrevocably grant the necessary consent to Transnet to do so;
- request audited financial statements or other documentation for the purposes of a due diligence exercise;
- not accept any changes or purported changes by the Respondent to the bid rates after the closing date and/or after the award of the business, unless the contract specifically provides for it;
- to cancel the contract and/request that National Treasury place the Respondent on its Database of Restricted Suppliers for a period not exceeding 10 years, on the basis that a contract was awarded on the strength of incorrect information furnished by the Respondent or on any other basis recognised in law;
- Award the business to the next ranked bidder, provided that he/she is still prepared to provide the required Goods/Services at the quoted price, should the preferred bidder fail to sign or commence with the contract within a reasonable period after being requested to do so. Under such circumstances, the validity of the bids of the next ranked bidder(s) will be deemed to remain valid, irrespective of whether the next ranked bidder(s) were notified of their bid being unsuccessful. Bidders may therefore be requested to advise whether they would still be prepared to provide the required Goods/Services at their quoted price.
- Should a bidder fail to respond to a request for extension of the validity period before it expires, that bidder will be excluded from tender process.

9 Specification/Scope of Work

SEE ATTACHED ANNEXURE.

10 LEGAL REVIEWS

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

11 SECURITY CLEARANCE

Acceptance of this bid could be subject to the condition that the Successful Respondent, its personnel providing the goods and its subcontractor(s) must obtain security clearance from the appropriate authorities to the level of CONFIDENTIAL/ SECRET/TOP SECRET. Obtaining the required clearance is the responsibility of the Successful Respondent. Acceptance of the bid is also subject to the condition that the Successful Respondent will implement all such security measures as the safe performance of the contract may require.

12 National Treasury's Central Supplier Database

Respondents 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. Transnet is required to ensure that price quotations are invited and accepted from prospective bidders listed on the CSD. Business may not be awarded to a respondent who has failed to register on the CSD. Only foreign suppliers with no local registered entity need not register on the CSD. The CSD can be accessed at <https://secure.csd.gov.za/>.

For this purpose, the attached SBD 1 Form must be completed and submitted as a mandatory returnable document by the closing date and time of the bid.

13 Tax Compliance

Respondents must be compliant when submitting a proposal to Transnet and remain compliant for the entire contract term with all applicable tax legislation, including but not limited to the Income Tax Act, 1962 (Act No. 58 of 1962) and Value Added Tax Act, 1991 (Act No. 89 of 1991).

It is a condition of this bid that the tax matters of the successful Respondents be in order, or that satisfactory arrangements have been made with South African Revenue Service (SARS) to meet the Respondents tax obligations.

The Tax Compliance status requirements are also applicable to foreign Respondents/ individuals who wish to submit bids.

Where Consortia / Joint Ventures / Sub-contractors are involved, each party must be registered on the Central Supplier Database and their tax compliance status will be verified through the Central Supplier Database.

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

TIP-OFFS ANONYMOUS:



Ethics Helpdesk (Pty) LTD.
Ethics Management System™

You can choose to be Anonymous or Non-Anonymous on ANY of the platforms
PLEASE RETAIN YOUR REFERENCE NUMBER



AI Voice Bot "Jack"
Speak to our AI Voice Chat Bot "JACK", you converse with him like chatting to a human, with the option to record a message and speak to an agent at anytime.



What's App
Speak to an Agent via What's App.



Speak to an Agent
Speak to an Agent via the platform with no call or data charge



Telegram
Speak to an Agent via Telegram



0800 003 056



086 551 4153



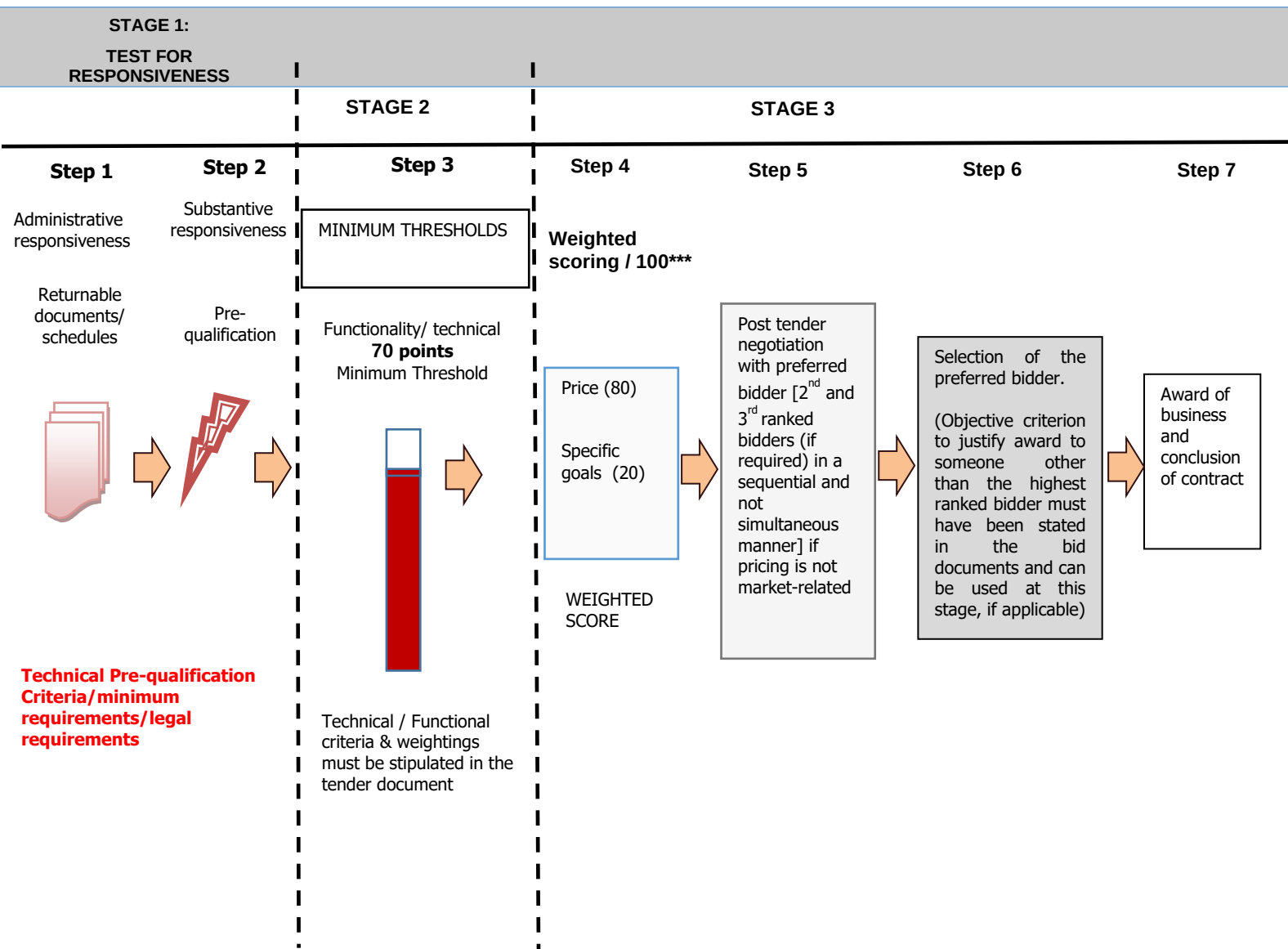
reportit@ethicshelpdesk.com



***120*0785980808#**

SECTION 3 EVALUATION METHODOLOGY, CRITERIA AND RETURNABLE DOCUMENTS

1 Evaluation Criteria TRANSNET WILL UTILISE THE FOLLOWING METHODOLOGY AND CRITERIA



1.1 STEP ONE: Test for Administrative Responsiveness

The test for administrative responsiveness will include the following:

Administrative responsiveness check	RFQ Reference
• Whether the Bid has been lodged on time	
• Whether all Returnable Documents and/or schedules [where applicable] were completed and returned by the closing date and time	<i>Section 3</i>
• Verify the validity of all returnable documents	<i>Section 3</i>
• Verify if the Bid document has been duly signed by the authorised respondent	<i>All sections</i>

The test for administrative responsiveness [Step One] must be passed for a Respondent's Proposal to progress to Step Two for further pre-qualification

1.2 STEP TWO: Test for Substantive Responsiveness to RFQ

The test for substantive responsiveness to this RFQ will include the following:

Check for substantive responsiveness	RFQ Reference
Whether any general and legislation qualification criteria set by Transnet, have been met	<i>All sections</i>
Whether the Bid contains a priced offer	<i>Section 4 - Quotation Form</i>
Whether the Bid materially complies with the scope and/or specification given	<i>All Sections</i>

The test for substantive responsiveness [Step Two] must be passed for a Respondent's proposal to progress to Step Three for further evaluation

1.3 STEP Three: Test for Substantive Responsiveness to RFP

The test for substantive responsiveness to this RFP will include the following:

Check for substantive responsiveness	RFP Reference
Whether any general and legislation qualification criteria set by Transnet, have been met	<i>All sections including: Section 2 paragraphs, 2.2, 6, 11.2, General Bid Conditions clause 20</i>
Whether the Bid contains a priced offer as prescribed in the pricing and delivery schedule	<i>Section 4</i>
Whether the Bid materially complies with the scope and/or specification given	<i>All Sections</i>
- Whether any Technical Pre-qualification Criteria/minimum requirements/legal requirements have been met as follows: - Management's arrangements & CV's of key persons who will be involved in the project. (Organigram with copies of all qualifications & certificates). - Programme - Health & safety plan - Method statement - Management and CV's of key personnel - Previous experience	<i>Section 3 – Scope of Work Annexure A</i>

1.4 STEP FOUR: Minimum Threshold 70 points for Technical Criteria

The test for the Technical and Functional threshold will include the following:

Functionality criteria	Sub-criteria	Sub-criteria points	Maximum number of points
Programme	Signed Organogram with Legal Appointees Roles & Responsibilities: 1. Lead Senior Geotechnical Engineer/Engineering Geologist 2. Site Engineering Geologist/Geotechnical Engineer 3. Contract Manager 4. Quality Assurance Representative 5. Laboratory 6. Sub-contractors	1	10
	The programme must be in Primavera 6 scheduling software or MS Project.	2	
	Identify all relevant project milestones, including Employer project key dates	2	
	Provide a resource-loaded schedule, clearly outlining how the Consultant/Service Provider plans to execute the work.	1	
	The consultant must indicate where exactly their project float resides.	1	
	Clearly show the sequencing of all deliverables/activities	1	
	Schedule basis of Assumption and Exclusions.	1	
	Identify a realistic project critical path.	1	
Health and Safety	Tenderers are required to provide the following: Signed Health and Safety Plan as per scope of work in line with TFR H&S specification. 1. Project Scope	4	10

Functionality criteria	Sub-criteria	Sub-criteria points	Maximum number of points
	2. Policy 3. HIRA 4. Legal & Other requirement 5. Accountabilities and Responsibilities 6. Competence, training and awareness 7. Occupational Health and Hygiene 8. Working at Heights 9. Incident Reporting and Investigation 10. Audits and Inspections		
	Detailed activity-based project specific Risk Assessments (RA), aligned to the scope of work, TRF baseline risk assessment, and TFR H&S Specification	3	
	Signed and dated Health and Safety Policy: 1) Commitment to Safety, Pollution Prevention 2) Continual Improvement 3) Compliance with legal requirements 4) Holding management accountable for development of safety systems 5) Included objectives	2	

Respondent's Signature

Date & Company Stamp

Functionality criteria	Sub-criteria	Sub-criteria points	Maximum number of points
	and targets.		
	Evidence that the Principal Contractor has made adequate provisions for the cost of the Health & Safety "Activity Schedule".	1	
Method Statement	Tenderers are required to provide specific information for the following points: A. Geotechnical investigation/ fieldwork, i.e.: - May include land-based drilling for some sites (rock slope) [including in-situ testing and sampling] or Scan-line mapping and in-situ testing, sampling, etc, and compiling conceptual models, analysing, and providing slope stability recommendations for sites with unstable (rock and/or soil) slopes. - Test pitting (including in-situ testing and sampling) and compiling conceptual models, analysing, and providing slope stability recommendations for sites with unstable soil slopes The Method Statement must: - Respond to the <i>Scope of Services</i> (the <i>Works Information</i>) and explain the Tenderer's understanding of the project objectives and the <i>Employer's</i> stated and implied requirements, highlight the issues of importance, and explain the technical approach they would adopt to address them. The tenderers may propose an alternative approach to solve the problem. - Outline the processes, procedures, and	5 10	30

Functionality criteria	Sub-criteria	Sub-criteria points	Maximum number of points
	associated resources, applied by whom and when to meet the project requirements. The <i>Works/ Services</i> must align with the project schedule/work programme. 3. Include a detailed list of equipment, plant, and people (and number thereof) to execute the <i>Works</i>. 4. Outline health and safety/ environmental considerations. 5. Outline procedures to accommodate your stuff. No site camps are allowed. 6. The method statement must correlate with the Tenderer's quality plan. The Method Statement must be accompanied by a relevant Quality Control Plan, indicating the Quality Interventions required for activities. 7. Indicate how risks will be managed and what contribution can be made regarding value management. 8. Articulate what added value the Tenderer will provide in achieving the stated objectives for the project. B. Laboratory testing The Method Statement must: 1. Provide the name and contact details of the South African National Accreditation System (SANAS) accredited laboratory to be used for the Contract.	5	

Functionality criteria	Sub-criteria	Sub-criteria points	Maximum number of points
	2. Include a detailed list of laboratory tests to be performed on selected samples. 3. Outline the purpose of the laboratory tests to be performed on selected samples and indicate the relevance to the <i>Scope of Services</i>. 4. Outline the applicable standards for laboratory tests to be performed. 5. Indicate how laboratory testing of selected samples aligns with the project schedule/work programme. 6. The lab work must correlate with the Tenderer's quality plan. The Method Statement must accompany a relevant Quality Control Plan, indicating the Quality Interventions required for laboratory activities. 7. Indicate how risks will be managed and what contribution can be made regarding value management. 8. Articulate what added value the Tenderer will provide in achieving the stated objectives for the laboratory testing. C. Reporting The Method Statement must: 1. Indicate the type of reports to be prepared and submitted to the <i>Employer</i> for this Contract, i.e.: •	10	

Functionality criteria	Sub-criteria	Sub-criteria points	Maximum number of points
	<i>Geotechnical Basis Report.</i> • <i>Geotechnical Investigation Monthly Progress Reports.</i> • <i>Geotechnical Investigation Preliminary Draft Interpretive Reports (for Review).</i> • <i>Geotechnical Investigation Signed Final Interpretive Reports presenting necessary analyses and design recommendations.</i> 2. Outline the contents to be covered in each report. 3. Provide the name, professional job title and details of professional registration of Key Professional Personnel to produce each of the reports. 4. Provide the name, professional job title and details of professional registration of Key Professional Personnel to review and take responsibility for each report. 5. Indicate the proposed submission dates for the reports. Submission dates must align with the project schedule/work programme. 6. This must correlate with the Tenderer's quality plan. The Method Statement must be accompanied by a relevant Quality Control Plan, indicating the Quality Interventions required to ensure quality reporting.		

Functionality criteria	Sub-criteria	Sub-criteria points	Maximum number of points
	7. Indicate how risks will be managed and what contribution can be made regarding value management of good quality reporting. 8. Articulate what added value the Tenderer will provide in achieving high-quality reporting.		
Management and CVs of Key Personnel	An organisation chart showing on-site and off-site management (including the key people you have identified for the Contract and the required legal appointments). Key Persons The Key Professional Personnel required for this Contract are as follows: A. Lead Senior Geotechnical Engineer/Senior Engineering Geologist (at least 10 years of experience post professional registration- ECSA/SACNASP) B. Geotechnical Engineer/Engineering Geologist (Site Agent/Supervisor - full-time on-site), at least 5 years of experience post professional registration- ECSA/SACNASP. C. Contract Manager (off-site management). At least 10 years of experience in contract management. D. Drill Rig (if applicable) Supervisor(s)/Operator(s)/Scanline	5 6 4 3 3	25

Functionality criteria	Sub-criteria	Sub-criteria points	Maximum number of points
	Mapping Geotechnical by an Engineer/Engineering Geologist E. TLB Operator F. Quality Assurance Representative. At least 5 years of experience in quality management. CVs to present details of the experience of the staff who will be working on the <i>Works</i>/providing the required <i>Services</i> concerning: 1. Their experience with the Contract Option chosen for this Contract. If experience in these matters is limited, an indication of relevant training that they have attended should be submitted. 2. General experience relevant to the nature of the <i>Work</i> to be carried out/<i>Services</i> to be provided. 3. Adequacy for the assignment. 4. Knowledge of issues pertinent to the <i>Scope</i>, e.g. local conditions, techniques, affected communities, legislation, etc. 5. The education, training and skills of the assigned staff in the specific sector, field, subject, etc. which is directly linked to the <i>Works</i> to be performed/<i>Services</i> to be provided. Proof of education and training must be attached to the CV. Comprehensive CVs should be attached	2 2	

Functionality criteria	Sub-criteria	Sub-criteria points	Maximum number of points
	to this schedule and as a minimum, each CV should address the following, but not limited to: - Personal particulars: - Name. - Place(s) of tertiary education and dates associated therewith. - Professional awards. - Qualifications (degrees, diplomas, grades of membership of professional societies and professional registrations). - Name of current employer and position in the enterprise. - Overview of post-graduate experience (year, organization and position). - Outline of recent assignments/ experience that has a bearing on the <i>Works/Services</i>. An explanation needs to be provided of how adequate resources will be allocated to enable compliance with the requirements and prohibitions imposed by or under the statutory provisions relating to health and safety.		
Previous Experience	Tenderers are required to demonstrate their experience in the delivery of similar <i>Works</i> , and to this end shall supply a sufficiently detailed list of projects to		

Functionality criteria	Sub-criteria	Sub-criteria points	Maximum number of points
	indicate their previous experience in geotechnical site investigations of a similar nature, including the names and contact details of previous/existing customers, the start and end dates of applicable projects (project duration) and Contract value. The Tenderer must provide a brief description of the relevant projects, with specific reference to: 1. Geotechnical investigations of similar nature, i.e.: • Land-based drilling for some sites (rock slope) [including in-situ testing and sampling] or Scan-line mapping and in-situ testing, sampling, etc, and compiling conceptual models, analysing, and providing slope stability recommendations for sites with unstable (rock and/or soil) slopes. • Test pitting (including in-situ testing and sampling) and compiling conceptual models, analysing, and providing slope stability recommendations for sites with unstable soil slopes. 2. Laboratory testing of selected samples - Procurement/ management of a SANAS-accredited civil engineering testing laboratory.	3 7 5	25

Functionality criteria	Sub-criteria	Sub- criteri a points	Maximu m number of points
	3. <i>Reporting (Geotechnical Basis Report, Geotechnical Investigation Monthly Progress Reports, Geotechnical Investigation Preliminary Draft Interpretive Reports (for Review), Geotechnical Investigation Signed Final Interpretive Reports presenting necessary analyses and design recommendations)</i>	10	

 Respondent's Signature

 Date & Company Stamp

1.4 STEP FIVE: Evaluation and Final Weighted Scoring

a) Price and TCO Criteria [Weighted score 80 points]:

Evaluation Criteria	RFP Reference
• Commercial offer	Section 4

Transnet will utilise the following formula in its evaluation of Price:

$$PS = 80 \left(1 - \frac{Pt - Pmin}{Pmin} \right)$$

Where:

Ps = Score for the Bid under consideration

Pt = Price of Bid under consideration

$Pmin$ = Price of lowest acceptable Bid

b) Specific Goals [Weighted score 20 point]

- Specific goals preference points claim form
- Preference points will be awarded to a bidder for attaining the specific goals requirements in accordance with the table indicated in Section 4.1 of the specific goals Claim Form.

1.5 STEP FIVE: Post Tender Negotiations (if applicable)

- Respondents are to note that Transnet may not award a contract if the price offered is not market-related. In this regard, Transnet reserves the right to engage in PTN with the view to achieving a market-related price or to cancel the tender. Negotiations will be done in a sequential manner i.e.:
 - first negotiate with the highest ranked bidder or cancel the bid, should such negotiations fail,
 - negotiate with the 2nd and 3rd ranked bidders (if required) in a sequential manner.
- In the event of any Respondent being notified of such short-listed/preferred bidder status, his/her bid, as well as any subsequent negotiated best and final offers (BAFO), will automatically be deemed to remain valid during the negotiation period and until the ultimate award of business.
- Should Transnet conduct post tender negotiations, Respondents will be requested to provide their best and final offers to Transnet based on such negotiations. Where a market related price has been achieved through negotiation, the contract will be awarded to the successful Respondent(s).

1.6 STEP SIX: Objective Criteria (if applicable)

Transnet reserves the right to award the business to the highest scoring bidder/s unless objective criteria justify the award to another bidder. The objective criteria Transnet may apply in this bid process include:

- Skills Transfer and Capacity Building for Transnet;
- Impact on Transnet's Return On Investment;
- Rotation of Suppliers to promote opportunities for other suppliers, by overlooking a supplier that has been awarded business repeatedly overtime in order to benefit other suppliers in the market;
- the tenderer:
- is not under restrictions, or has principals who are under restrictions, preventing participating in the employer's procurement,

- is not undergoing a process of being restricted by Transnet or other state institution that Transnet may be aware of,
- 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,
- has the legal capacity to enter into the contract
- 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,
- complies with the legal requirements, if any, stated in the tender data and
- is able, in the option of the employer to perform the contract free of conflicts of interest.
- all Risks identified during a risk assessment exercise/probity check (which may be conducted by an authorised third party) that would be done to assess all risks, including but not limited to:
- the financial stability of the bidder based on key ratio analysis, which would include, but not be limited to Efficiency, Profitability, Financial Risk, Liquidity, Acid Test, and Solvency;
- a due diligence to assess functional capability and capacity. This could include a site visit;
- A commercial relationship with a Domestic Prominent Influential Person (DPIP) or Foreign Prominent Public Official (FPPO) or an entity of which such person or official is the beneficial owner; and
- Reputational and Brand risks

1.7 STEP SEVEN: Award of business and conclusion of contract

- Immediately after approval to award the contract has been received, the successful or preferred bidder(s) will be informed of the acceptance of his/their Quotation by way of a Letter of Award. Thereafter the final contract will be concluded with the successful Respondent(s).
- Otherwise, a final contract will be concluded and entered into with the successful Bidder at the acceptance of a letter of award by the Respondent.

2 Validity Period

Transnet requires a validity period of 60 [thirty] Business Days from the closing date of this RFQ, excluding the first day and including the last day.

Bidders are to note that they may be requested to extend the validity period of their bid, on the same terms and conditions, if the internal evaluation process has not been finalised within the validity period. However, once the adjudication body has approved the process and award of the business to the successful bidder(s), the validity of the successful bidder(s)' bid will be deemed to remain valid until a final contract has been concluded. **The validity period for this RFQ is 01 February 2025.**

3 Disclosure of contract information

Johannesburg Stock Exchange Debt Listing Requirements

Transnet may also be required to disclose information relating to the subsequent contract i.e. the name of the company, goods/services provided by the company, the value and duration of the contract, etc. in compliance with the Johannesburg Stock Exchange (JSE) Debt Listing Requirements.

Domestic Prominent Influential Persons (DPIP) OR Foreign Prominent Public Officials (FPPO)

Transnet is free to procure the services of any person within or outside the Republic of South Africa in accordance with applicable legislation. Transnet shall not conduct or conclude business transactions, with any Respondents without having:

- Considered relevant governance protocols;
- Determined the DPIP or FPPO status of that counterparty; and
- Conducted a risk assessment and due diligence to assess the potential risks that may be posed by the business relationship.

As per the Transnet Domestic Prominent Influential Persons (DPIP) and Foreign Prominent Public Officials (FPPO) and Related Individuals Policy available on Transnet website <https://www.transnet.net/search/pages/results.aspx?k=FPIDP#k=DPIP>, Respondents are required to disclose any commercial relationship with a DPIP or FPPO (as defined in the Policy) by completing the following section:

The below form contains personal information as defined in the Protection of Personal Information Act, 2013 (the "Act"). By completing the form, the signatory consents to the processing of her/his personal information in accordance with the requirements of the Act. Consent cannot unreasonably be withheld.						
Is the Respondent (Complete with a "Yes" or "No")						
A DPIP/FPPO			Closely Related to a DPIP/FPPO		Closely Associated to a DPIP/FPPO	
List all known business interests, in which a DPIP/FPPO may have a direct/indirect interest or significant participation or involvement.						
No	Name of Entity / Business	Role in the Entity / Business (Nature of interest/ Participation)	Shareholding %	Registration Number	Status (Mark the applicable option with an X)	
					Active	Non-Active
1						
2						
3						

Respondents declaring a commercial relationship with a DPIP or FPPO are to note that Transnet is required to annually publish on its website a list of all business contracts entered into with DPIP or FPPO. This list will include successful Respondents, if applicable.

4 Returnable Documents

Returnable Documents means all the documents, Sections and Annexures, as listed in the tables below. There are three types of returnable documents as indicated below and Respondents are urged to ensure that these documents are returned with their bids based on the consequences of non-submission as indicated below:

Mandatory Returnable Documents	<i>Failure to provide all these Mandatory Returnable Documents at the Closing Date and time of this RFQ <u>will</u> result in a Respondent's disqualification.</i>
Returnable Documents Used for Scoring	<i>Failure to provide all Returnable Documents used for purposes of scoring a bid, by the closing date and time of this bid will not result in a Respondent's disqualification. However, Bidders will receive an automatic score of zero for the applicable evaluation criterion.</i>
Essential Returnable Documents	<i>Failure to provide essential Returnable Documents <u>will</u> result in Transnet affording Respondents a further opportunity to submit by a set deadline. Should a Respondent thereafter fail to submit the requested documents, this may result in a Respondent's disqualification.</i>

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

a) Mandatory Returnable Documents

Respondents are required to submit with their bid submissions the following **Mandatory Returnable Documents**, and also to confirm submission of these documents by so indicating [Yes or No] in the tables below:

Mandatory Returnable Documents	Submitted [Yes or No]
SECTION 4: Quotation Form	

b) Returnable Documents Used for Scoring

In addition to the requirements of section (a) above, Respondents are further required to submit with their Proposals the following **Returnable Documents Used for Scoring** and also to confirm submission of these documents by so indicating [Yes or No] in the table below:

RETURNABLE DOCUMENTS USED FOR SCORING	SUBMITTED [Yes or No]
Valid proof of Respondent's compliance to B-BBEE requirements stipulated in Section 7 of this RFP (Valid B-BBEE certificate or Sworn- Affidavit as per DTIC guidelines)	
Management arrangements & CV's of key persons who will be involved in the project. (Organigram with copies of all Qualifications & certificates).	
Company experience	
Method statement	

RETURNABLE DOCUMENTS USED FOR SCORING	SUBMITTED [Yes or No]
Health & safety and environment management	
Programme	
Respondent's valid proof of evidence to claim points for compliance with Specific Goals' requirements as stipulated in Section 7 of this RFP	

c) Essential Returnable Documents:

Over and the above the requirements of section (a) and (b) mentioned above, Respondents are further required to submit with their Proposals the following **Essential Returnable Documents** and also to confirm submission of these documents by so indicating [Yes or No] in the table below:

ESSENTIAL RETURNABLE DOCUMENTS & SCHEDULES	SUBMITTED [Yes or No]
SECTION 1 : SBD1 FORM	
SECTION 5: Certificate of Acquaintance with RFQ Documents	
SECTION 6: RFQ Declaration and Breach of Law Form	
SECTION 7 : Specific Goals Claim Form	
SECTION 8 : Protection of Personal Information	
: CSD Registration report	
VALID TAX CERTIFICATE WITH PIN	

5 CONTINUED VALIDITY OF RETURNABLE DOCUMENTS

The successful Respondent will be required to ensure the validity of all returnable documents, including but not limited to its valid proof of B-BBEE status, for the duration of any contract emanating from this RFQ. Should the Respondent be awarded the contract **[the Agreement]** and fail to present Transnet with such renewals as and when they become due, Transnet shall be entitled, in addition to any other rights and remedies that it may have in terms of the eventual Agreement, to terminate such Agreement immediately without any liability and without prejudice to any claims which Transnet may have for damages against the Respondent.

SECTION 4 QUOTATION FORM

I/We _____

hereby offer to supply the goods/services at the prices quoted in the Price Schedule below, in accordance with the conditions related thereto.

I/We agree to be bound by those terms and conditions in:

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

I/We accept that unless Transnet should otherwise decide and so inform me/us, this Quotation [and, if any, its covering letter and any subsequent exchange of correspondence], together with Transnet's acceptance thereof shall constitute a binding contract between Transnet and me/us. I/We further agree that if, after I/we have been notified of the acceptance of my/our Quotation, I/we fail to deliver the said goods/service/s within the delivery lead-time quoted, Transnet may, without prejudice to any other legal remedy which it may have, cancel the order and recover from me/us any expenses incurred by Transnet in calling for Quotations afresh and/or having to accept any less favourable offer.

Price Schedule

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

SUPPLY OF GEOTECHNICAL INVESTIGATIONS AND REPORTS AT MOUNT EDGECOMBE (PM 210152263), KENVILLE (PM 210151239), DUFFS ROAD (PM 210177533), OTTAWA (PM 210151846), AND FRASER (PM 210172504) ON THE NORTH COAST.

Activity No.	Activity Description	Quantity	Rate	Total price of each activity (excl. VAT)
1	Geotechnical Investigations at Fraser km 131.536	-		
1.1	Specified Geotechnical Investigation of the Site	1		
1.2	Investigation data Information and analysed data report (Soft copy)	1		
Total Prices (Excl. VAT)				
VAT (15%)				
TOTAL PRICE INCL. VAT				
2	Geotechnical Investigations at Fraser km 132.534	-		
2.1	Specified Geotechnical Investigation	1		

	of the site			
2.2	Investigation data Information and analysed data report (soft copy)	1		
Total Prices (Excl. VAT)				
VAT (15%)				
TOTAL PRICE INCL. VAT				
3	Geotechnical Investigation of the site			
3.1	Specified Geotechnical Investigation of the Site	1		
3.2	Investigation data information and analysed data report (soft copy)	1		
Total Prices (Excl. VAT)				
VAT (15%)				
TOTAL PRICE INCL. VAT				
4	Geotechnical Investigation of the site			
4.1	Specified Geotechnical Investigation of the Site	1		
4.2	Investigation data Information and analysed data report (soft copy)	1		
Total Prices (Excl. VAT)				
VAT (15%)				
TOTAL PRICE INCL. VAT				
5	Geotechnical Investigations at Mount Edgecombe km 155.806			
5.1	Specified Geotechnical Investigation of the site	1		
5.2	Investigation data Information and analysed data report (soft copy)	1		
Total Prices (Excl. VAT)				
VAT (15%)				
TOTAL PRICE INCL. VAT				
6	Geotechnical Investigations at Duff's Road km 163.169			
6.1	Specified Geotechnical Investigation of the site	1		
6.2	Investigation data Information and analysed data report (soft copy)	1		
Total Prices (Excl. VAT)				
VAT (15%)				
TOTAL PRICE INCL. VAT				
7	Geotechnical Investigations at Kenville Tunnel km 169.972 – 170.171			
7.1	Specified Geotechnical Investigation of the site	1		

7.2	Investigation data Information and analysed data report (soft copy)	1		
Total Prices (Excl. VAT)				
VAT (15%)				
TOTAL PRICE INCL. VAT				
TOTAL OF ALL THE PRIZES				
TOTAL OF ALL THE VAT (15 %)				
TOTAL OF ALL THE PRIZES (INCLUDING 15% VAT)				

TOTAL PRIZE INCLUDING (15% VAT) IN WORDS:

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

Respondents are to note that Transnet will round off final pricing scores to the nearest 2 (two) decimal places.

Notes to Pricing:

- a) Respondents are to note that if the price offered by the highest scoring bidder is not market-related, Transnet may not award the contract to that Respondent. Transnet may-
 - (i) negotiate a market-related price with the Respondent scoring the highest points or cancel the RFQ;
 - (ii) if that Respondent does not agree to a market-related price, negotiate a market-related price with the Respondent scoring the second highest points or cancel the RFQ;
 - (iii) if the Respondent scoring the second highest points does not agree to a market-related price, negotiate a market-related price with the Respondent scoring the third highest points or cancel the RFQ.

If a market-related price is not agreed with the Respondent scoring the third highest points, Transnet must cancel the RFQ.
- b) All Prices must be quoted in South African Rand, inclusive of VAT
- c) Any disbursement not specifically priced for will not be considered/accepted by Transnet.
- d) To facilitate like-for-like comparison bidders must submit pricing strictly in accordance with this price schedule and not utilise a different format. Deviation from this pricing schedule could result in a bid being disqualified.
- e) Please note that should you have offered a discounted price(s), Transnet will only consider such price discount(s) in the final evaluation stage if offered on an unconditional basis.

SECTION 5

CERTIFICATE OF ACQUAINTANCE WITH RFQ DOCUMENTS

By signing this certificate the Respondent is deemed to acknowledge that he/she has made himself/herself thoroughly familiar with, and agrees with all the conditions governing this RFQ. This includes those terms and conditions contained in any printed form stated to form part hereof, including but not limited to the documents stated below. As such, Transnet will recognise no claim for relief based on an allegation that the Respondent overlooked any such term or condition or failed properly to take it into account in calculating tendered prices or any other purpose:

1. Transnet's General Bid Conditions
2. Standard RFQ Terms and Conditions for the supply of Goods or Services to Transnet
3. Transnet's Supplier Integrity Pact
4. Non-disclosure Agreement

Note: Should a Respondent be successful and awarded the bid, they will be required to complete a Supplier Declaration Form for registration as a vendor onto the Transnet vendor master database.

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

Bidders accept that an obligation rests on them to clarify any uncertainties regarding any bid to which they intend to respond, before submitting the bid. The Bidder agrees that he/she will have no claim or cause of action based on an allegation that any aspect of this RFQ was unclear but in respect of which he/she failed to obtain clarity.

The bidder understands that his/her Bid will be disqualified if this Certificate of Acquaintance with RFQ documents included in the RFQ as a returnable document, is found not to be true and/ or complete in every respect.

SIGNED at _____ on this _____ day of _____ 20____

SIGNATURE OF WITNESSES

ADDRESS OF WITNESSES

1 _____
Name _____

2 _____
Name _____

SIGNATURE OF RESPONDENT'S AUTHORISED REPRESENTATIVE: _____

NAME: _____

DESIGNATION: _____

SECTION 6

RFQ DECLARATION AND BREACH OF LAW FORM

NAME OF ENTITY: _____

We _____ do hereby certify that:

1. Transnet has supplied and we have received appropriate responses to any/all questions [as applicable] which were submitted by ourselves for RFQ Clarification purposes;
2. We have received all information we deemed necessary for the completion of this Request for Quotation [**RFQ**];
3. We have been provided with sufficient access to the existing Transnet facilities/sites and all relevant information relevant to the Supply of the Goods as well as Transnet information and Employees, and have had sufficient time in which to conduct and perform a thorough due diligence of Transnet's operations and business requirements and assets used by Transnet. Transnet will therefore not consider or permit any pre- or post-contract verification or any related adjustment to pricing, service levels or any other provisions/conditions based on any incorrect assumptions made by the Respondent in arriving at his Bid Price.
4. At no stage have we received additional information relating to the subject matter of this RFQ from Transnet sources, other than information formally received from the designated Transnet contact(s) as nominated in the RFQ documents;
5. We have complied with all obligations of the Bidder/Supplier as indicated in the Transnet Supplier Integrity Pact which includes but are not limited to ensuring that we take all measures necessary to prevent corrupt practices, unfairness and illegal activities in order to secure or in furtherance to secure a contract with Transnet;
6. We are satisfied, insofar as our entity is concerned, that the processes and procedures adopted by Transnet in issuing this RFQ and the requirements requested from Bidders in responding to this RFQ have been conducted in a fair and transparent manner;
7. We declare that a family, business and/or social relationship **exists / does not exist** [delete as applicable] between an owner / member / director / partner / shareholder of our entity and an employee or board member of Transnet including any person who may be involved in the evaluation and/or adjudication of this Bid;
8. We declare that an owner / member / director / partner / shareholder of our entity **is / is not** [delete as applicable] an employee or board member of the Transnet;
9. In addition, we declare that an owner / member / director / partner / shareholder/employee of our entity **has / has not been** [delete as applicable] a former employee or board member of Transnet in the past 10 years. I further declare that if they were a former employee or board member of Transnet in the past 10 years that they **were/were not** involved in the bid preparation or had access to the information related to this RFQ; and
10. If such a relationship as indicated in paragraph 7, 8 and/or 9 exists, the Respondent is to complete the following section:

Respondent's Signature

Date & Company Stamp

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

ADDRESS:

Indicate nature of relationship with Transnet:

[Failure to furnish complete and accurate information in this regard will lead to the disqualification of a response and may preclude a Respondent from doing future business with Transnet]. Information provided in the declarations may be used by Transnet and/or its affiliates to verify the correctness of the information provided.

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

BIDDER'S DISCLOSURE (SBD4)

12 PURPOSE OF THE FORM

12.1 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.

12.2 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.

13 Bidder's declaration

13.1 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

13.1.1. 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.

¹ the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise.

Full Name	Identity Number	Name of State institution

13.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution?

YES/NO

13.2.1. If so, furnish particulars:

.....

13.3 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

13.3.1. If so, furnish particulars:

.....

14 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:

14.1 I have read and I understand the contents of this disclosure;

14.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;

- 14.3 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.
- 14.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, 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.
- 14.5 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.
- 14.6 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.
- 14.7 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 12, 13 and 14 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.

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.

BREACH OF LAW

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

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

NATURE OF BREACH:

DATE OF BREACH: _____

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

SIGNED at _____ on this _____ day of _____ 20____

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

SECTION 7: SPECIFIC GOALS 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 of as per the table below.

NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF SPECIFIC GOALS, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000.

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
- 1.2 The value of this bid is estimated to not exceed 50 000 000 (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 Either the 80/20 preference point system will be applicable to this tender.
- 1.4 Preference points for this bid shall be awarded for:
- (a) Price;
 - (b) B-BBEE Status Level of Contribution.
 - (c) Any other specific goal determined in Transnet preferential procurement policy.
- 1.5 The maximum points for this bid are allocated as follows:

	POINTS
PRICE	80
B-BBEE STATUS LEVEL OF CONTRIBUTOR (1 or 2)	05
ENTITIES THAT ARE 51% BLACK OWNED	05
ENTITIES OWNED BY PEOPLE WITH DISABILITY (PWD)	05
30% BLACK WOMEN OWNED ENTITIES	05
Total points for Price and Specific Goals must not exceed	100

- 1.6 Failure on the part of a bidder to submit proof of specific goals together with the bid will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.
- 1.7 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"** means:
 - 1) B-BBBEE status level certificate issued by an unauthorised body or person;
 - 2) A sworn affidavit as prescribed by the B-BBEE Codes of Good Practice;
 - 3) Any other requirement prescribed in terms of the B-BBEE Act.
- (j) **"QSE"** means a Qualifying Small Enterprise in terms of a 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:

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

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

$$PS = 80 \left(1 + \frac{Pt - P_{max}}{P_{max}} \right)$$

Where:

Ps = Points scored for the price of Bid under consideration
Pt = Price of Bid under consideration
Pmax = Price of highest acceptable Bid

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 – Level 1 & Level 2	05
30% Black Women Owned Entities	05
Entities that are 51 % Black Owned	05
Entities Owned by People with Disability (PWD)	05
Non-Compliant	0

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	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
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 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

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	
-----	--	----	--

- v) Specify, by ticking the appropriate box, if subcontracting with any of the enterprises below:

Designated Group: An EME or QSE which is at last 51% owned by:	EME ✓	QSE ✓
Black people		
Black people who are youth		
Black people who are women		
Black people with disabilities		
Black people living in rural or underdeveloped areas or townships		
Cooperative owned by black people		
Black people who are military veterans		
OR		
Any EME		
Any QSE		

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 service provider
☐ Other 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-BBEE status level of contribution indicated in paragraphs 4.1 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 4.1 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 the B-BBEE status level of contributor has been claimed or obtained on a fraudulent basis 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.

WITNESSES

- 1.
- 2.

.....
SIGNATURE(S) OF BIDDERS(S)

DATE:

ADDRESS

.....

SECTION 8

PROTECTION OF PERSONAL INFORMATION

1. The following terms shall bear the same meaning as contemplated in Section 1 of the Protection of Person information act, No.4 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. Transnet will process all information by the Respondent 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.
3. The Parties acknowledge and agree that, in relation to personal information that will be processed pursuant to this RFQ, the Responsible party is “Transnet” and the Data subject is the “Respondent”. Transnet will process personal information only with the knowledge and authorisation of the Respondent and will treat personal information 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.
4. Transnet reserves all the rights afforded to it by the POPIA in the processing of any of its information as contained in this RFQ and the Respondent is required to comply with all prescripts as detailed in the POPIA relating to all information concerning Transnet.
5. In responding to this bid, Transnet acknowledges that it will obtain and have access to personal information of the Respondent. Transnet agrees that it shall only process the information disclosed by Respondent in their response to this bid for the purpose of evaluating and subsequent award of business and in accordance with any applicable law.
6. Transnet further agrees that in submitting any information or documentation requested in this RFQ, the Respondent is consenting to the further processing of their personal information for the purpose of, but not limited to, risk assessment, assurances, contract award, contract management, auditing, legal opinions/litigations, investigations (if applicable), document storage for the legislatively required period, destruction, de-identification and publishing of personal information by Transnet and/or its authorised appointed third parties.
7. Furthermore, Transnet will not otherwise modify, amend or alter any personal data submitted by the Respondent or disclose or permit the disclosure of any personal data to any third party without the prior written consent from the Respondent. Similarly, Transnet requires the Respondent to process any personal information disclosed by Transnet in the bidding process in the same manner.
8. Transnet 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 this RFQ (physically, through a computer or any other form of electronic communication).

9. Transnet shall notify the Respondent in writing of any unauthorised access to information, 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 Respondent must take all necessary remedial steps to mitigate the extent of the loss or compromise of personal information and to restore the integrity of the affected personal information as quickly as is possible.
10. The Respondent may, in writing, request Transnet to confirm and/or make available any personal information in its possession in relation to the Respondent and if such personal information has been accessed by third parties and the identity thereof in terms of the POPIA. The Respondent may further request that Transnet correct (excluding critical/mandatory or evaluation information), delete, destroy, withdraw consent or object to the processing of any personal information relating to the Respondent in Transnet's possession in terms of the provision of the POPIA and utilizing Form 2 of the POPIA Regulations.
11. In submitting any information or documentation requested in this RFQ, the Respondent is hereby consenting to the processing of their personal information for the purpose of this RFQ and further confirming that they are aware of their rights in terms of Section 5 of POPIA

Respondents are required to provide consent below:

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

12. Further, the Respondent declares that they have obtained all consents pertaining to other data subject's personal information included in its submission and thereby indemnifying Transnet against 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 the Respondent submitted.
13. The Respondent declares that the personal information submitted for the purpose of this RFQ is complete, accurate, not misleading, is up to date and may be updated where applicable.

Signature of Respondent's authorised representative: _____

Should a Respondent have any complaints or objections to processing of its personal information, by Transnet, the Respondent 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



TRANSNET FREIGHT RAIL

RAIL NETWORK – TECHNICAL OFFICE

.....

DURBAN NORTH COAST SCOPE OF WORK – GEOTECHNICAL INVESTIGATION

.....

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List of abbreviation

DCP: Dynamic Cone Penetration

PDF: Portable Document Format

ASTM: American Society for Testing and Materials

BS: British Standards

ISO: International Organization for Standardization

PPT: PowerPoint Presentation

1. Introduction

The purpose of this Geotechnical Investigation is to provide detailed subsurface information to guide the design and construction of the following sites:

- Fraser
- Fraser
- Fraser
- Ottawa
- Mount Edgecombe
- Mount Edgecombe
- Mount Edgecombe
- Duff's Road
- Kenville

The sites are located on the east coast of South Africa in the province of KwaZulu Natal. All sites are positioned on the Durban – Empangeni Railway section under Transnet Freight Rail (Durban Infrastructure Depot). The coordinates of each site are shown in figure 1 below.

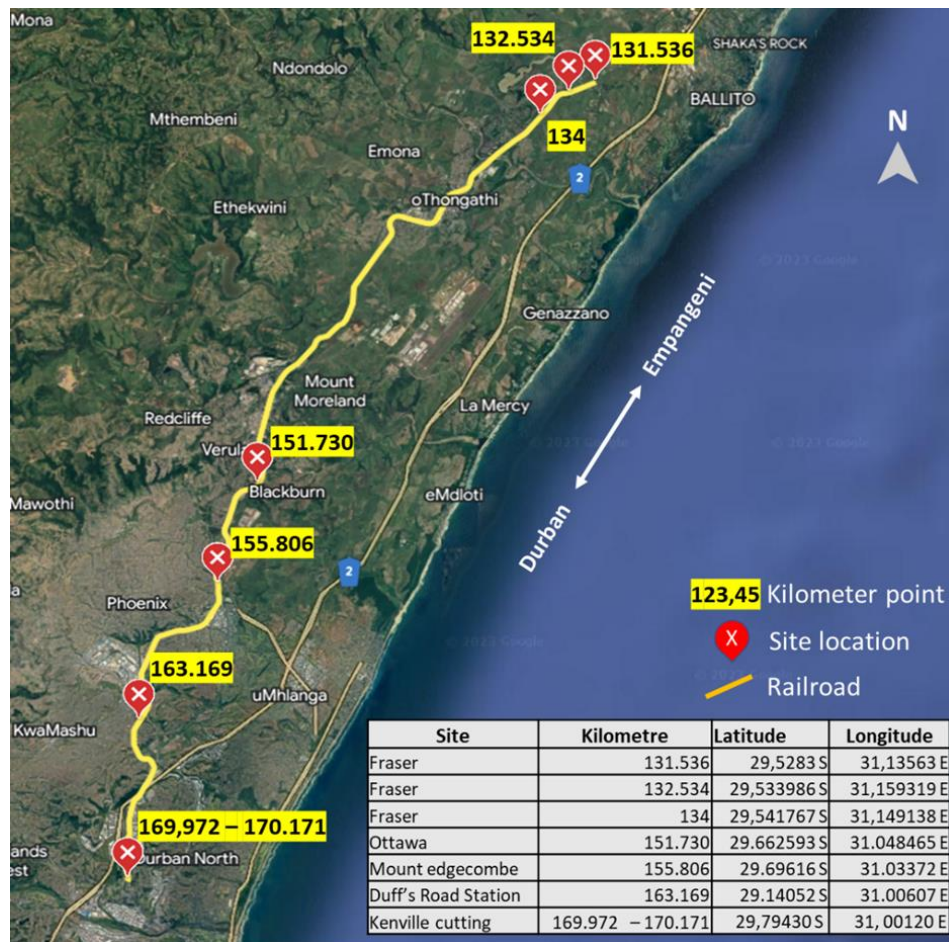


Figure 1: Site location

2. Objectives

2.1. Determine Soil Stratigraphy and Composition

- Identify soil layers
- Characterize soil composition
- Map soil profiles

2.2 Assess the Geotechnical Properties of the Subsurface Materials

- Strength properties
- Compressibility and settlement
- Permeability and drainage
- Compaction characteristics

3. Scope of Services

3.1 Field Investigation

3.1.1. Dynamic Cone Penetration (DCP) Tests

- **Number of Tests:** Conduct DCP tests across the site to a depth of not more than 2 meters or until refusal.
- **Location:** Test locations to be strategically placed to cover the entire site and capture variations in soil conditions.
- **Methodology:** Follow standard procedures for DCP testing as per [specify relevant standards, e.g., ASTM D6951].

3.1.2 Test Pits

- **Number of Pits:** Excavate test pits to a depth of not more than 2 meters.
- **Location:** Test pits to be located to provide comprehensive coverage of the site and areas of interest.
- **Logging:** Detailed logging of soil profiles, including description of soil types, color, texture, moisture content, and any anomalies.
- **Sampling:** Collect disturbed and undisturbed soil samples for laboratory testing.

No field service will be conducted without an Engineer (Or delegated Engineer) responsible for the design solution on site.

3.2. Laboratory Testing

3.2.1. Soil Classification Tests

- **Grain Size Distribution:** Sieve analysis and hydrometer analysis to determine the grain size distribution of soil samples.
- **Atterberg Limits:** Liquid limit, plastic limit, and plasticity index tests.

3.2.2. Strength and Compressibility Tests

- **Compaction Tests:** Standard Proctor and Modified Proctor tests to determine the compaction characteristics of the soil.
- **Shear Strength Tests:** Direct shear tests and triaxial shear tests to determine the shear strength parameters.
- **Consolidation Tests:** Oedometer tests to assess the compressibility and settlement characteristics of the soil.

3.3 Reporting

3.3.1 Preliminary Report:

Submit a preliminary report summarizing the fieldwork and preliminary findings.

3.3.2 Final Report:

Provide a comprehensive final report, including detailed descriptions of field and laboratory tests, data analysis, geotechnical interpretation, and recommendations. The report should include:

- Introduction and project background.
- Methodology of field and laboratory tests.
- Results and analysis of tests.
- Geotechnical profiles and cross-sections.
- Appendices with raw data, test results, and any relevant photographs or diagrams.

4. Deliverables

4.1 Site Assessment Report

- **Format:** PDF document, including maps, site photographs, and written assessment.
- **Content:**
 - **Introduction:** Project background and objectives.
 - **Site Visit Details:** Dates, personnel involved, and activities conducted.

- **Site Conditions:** Description of the site's current condition, accessibility, and any observed surface features.
- **Preliminary Findings:** Initial observations and assessments based on the site visit and desk study.
- **Recommendations for Field Investigation:** Suggested locations and methods for DCP tests and test pits.

4.2 Fieldwork Logs

- **Format:** Excel spreadsheets and PDF documents.
- **Content:**
 - **DCP Test Logs:**
 - **Date and Location:** Coordinates or marked locations on a site map.
 - **Depth of Penetration:** Recorded penetration depth for each test.
 - **Resistance Data:** Measurements and observations.
 - **Comments:** Any notes on soil behavior or anomalies observed during testing.
 - **Test Pit Logs:**
 - **Date and Location:** Coordinates or marked locations on a site map.
 - **Soil Profile Description:** Detailed descriptions of soil layers encountered.
 - **Sample Collection:** Details of samples collected, including depths and types.
 - **Photographs:** Images of test pits and soil profiles.
 - **Comments:** Observations and any deviations from expected conditions.

4.3 Laboratory Test Results

- **Format:** PDF reports, including data tables and graphical representations.
- **Content:**
 - **Introduction:** Summary of samples tested and objectives of the tests.
 - **Test Procedures:** Detailed methodology for each type of laboratory test conducted.
 - **Results:**
 - **Soil Classification Tests:** Grain size distribution curves, Atterberg limits, etc.
 - **Strength and Compressibility Tests:** Results from compaction, shear strength, and consolidation tests.
 - **Analysis:** Interpretation of test results, including any significant findings or anomalies.

- **Conclusion:** Summary of key findings from laboratory tests.

4.4 Preliminary Geotechnical Report

- **Format:** PDF document with appendices.
- **Content:**
 - **Executive Summary:** Brief overview of preliminary findings and recommendations.
 - **Introduction:** Project background, objectives, and scope of work.
 - **Methodology:** Detailed description of field and laboratory work conducted.
 - **Preliminary Findings:** Initial interpretation of field and laboratory data.
 - **Preliminary Recommendations:** Initial guidance for foundation design and construction considerations.
 - **Appendices:** Field logs, laboratory test results, and any relevant photographs or diagrams.

4.5 Final Geotechnical Report

- **Format:** Comprehensive PDF document, possibly supplemented by hard copies if required.
- **Content:**
 - **Executive Summary:** Concise summary of findings, conclusions, and recommendations.
 - **Introduction:** Detailed project background, objectives, and scope of work.
 - **Field Investigation:** Comprehensive details of DCP tests, test pits, and sample collection.
 - **Laboratory Testing:** Detailed description and results of all laboratory tests conducted.
 - **Geotechnical Interpretation:**
 - **Soil Profiles and Stratigraphy:** Detailed maps and cross-sections showing soil layers.
 - **Soil Properties:** Analysis of strength, compressibility, permeability, and other properties.
 - **Geotechnical Hazards:** Identification and assessment of potential hazards.
 - **Conclusions:** Summary of key findings and final recommendations.
 - **Appendices:** Detailed field logs, laboratory test results, additional data, and supplementary figures and photographs.

5. Timeline

The investigation timeline will cover the entire period from the initial site visit to the submission of the final deliverables. The proposed timeline for all tasks is limited to a maximum of 30 days. The service provider must allocate time for the following sections of work accordingly:

- Site Visit and Desk Study
- Field Investigation
- Laboratory Testing
- Data Analysis and Reporting
- Submission of Preliminary Report
- Submission of Final Report

6. Quality Assurance and Control

- **Standards Compliance:** Ensure all field and laboratory tests comply with relevant standards (e.g., ASTM, BS, ISO). Supplier to list all standards followed when conducting each test
- **Quality Control Procedures:** Implement quality control procedures to ensure the accuracy and reliability of test results.

7. Health and Safety

- **Safety Plan:** Develop and adhere to a health and safety plan for all fieldwork activities.
- **Risk Assessment:** Conduct risk assessments for all site activities and implement appropriate safety measures.

Appendix A:

Table A: DCP and Test pits per identified site

Site	KM point	DCP	Sum	Test Pits	Sum
1. Fraser	131.536	Between the tracks at 50m interval	7	Between the track (DCP location).	2
		Along the existing earth channel at 50m intervals.	4	The earth channel (DCP location).	2
		Adjacent to the track on the seaside at 50m intervals.	4	Adjacent to the track on the seaside (DCP location)	2
2. Fraser	132.534	On the Southern boundary at a 20 m interval	5	The level crossing access road	1
		Along the level crossing access road at a 10 m interval	3	The Southern boundaries, one on each side of the access road.	2
3. Fraser	134	Between the tracks at 50m interval up to downstream culvert	4	Seaside track shoulder. (DCP Location)	2
		Along the existing earth channel at 50m interval.	4	Test pits between the tracks. (DCP Location)	2
4. Ottawa	151.730	Staggered on landside track, 50m interval	8	Staggered on the track shoulder (DCP location)	4
				The cutting top (property culvert outlet)	2
				Failing embankment	2
5a. Mount Edgecombe (Station)	157.730	Both ends of the eroded embankment	2	Both ends of the eroded embankment	2
5a. Mount Edgecombe (Durban side)	158.890	Between the tracks at 50m interval from tunnel end.	5	Collapsed canal berm toe	2
		Landside track shoulder at 20m interval.	10	Staggered on landside track (DCP location)	6
5b. Mount Edgecombe (Durban side)	159.00	Between the tracks at 50m interval from tunnel end.	8	Collapsed canal berm toe	2
		Landside track shoulder at 20m interval.	12	Staggered on landside track (DCP location)	6
6. Duff's Road	163.169	Staggered on landside track, 20m interval	8	Staggered on the track shoulder (DCP location)	4
7. Kenville	169.972	Staggered between both rails at 5m interval (platform to the culvert)	4	Test pits at the bottom of the embankments.	3
	170.171			Test pits on the bottom of the Cutting for the proposed retaining wall.	5

Table B: *list of geotechnical laboratory tests required Per test pit*

Lab Test	Test type	Relevant standard	Quantity	Unit
1. Soil Sampling				
1.1	Sample Nature	SANS 5835:2006	1	Each
1.2	Grain Size Distribution	SANS 1096:2005	1	Each
1.3	Atterberg Limits	SANS 3001-1: 2018	1	Each
1. State Tests				
2.1	Optimum Moisture Content	SANS 3001-1:2018	1	Each
2.2	Dry Unit Weight	SANS 3001-1: 2018	1	Each
2. Strength test				
3.1	Triaxial compressive test under drain conditions	SANS 3001-5: 2008	1	Each
3.1	Triaxial compressive test under undrained conditions	SANS 3001-5: 2008	1	Each
3. Deformability Test				
4.1	Oedometer test (for cohesive soil)	SANS 3001-4: 2008	1	Each
4. Expansiveness				
5.1	Free swelling test in oedometer	SANS 3001-5	1	Each
5.2	California Bearing Ratio (CBR) test	SANS3000-9	1	Each

*** Total test pits per site**

1. Fraser (131.536)	: 6
2. Fraser (132.534)	: 3
3. Fraser (134)	: 4
4. Ottawa (151.730)	: 8
5. 3X Mount Edgecombe (157.730-159.00)	:18
6. Duff's Road (163.169)	: 4
7. Kenville (169.972 – 170.171)	: 8