



community safety, roads & transport

Department of
Community Safety, Roads & Transport
FREE STATE PROVINCE

FREE STATE DEPARTMENT OF COMMUNITY SAFETY, ROADS AND TRANSPORT

TENDER NO: CSR&T/BID03/2024/25

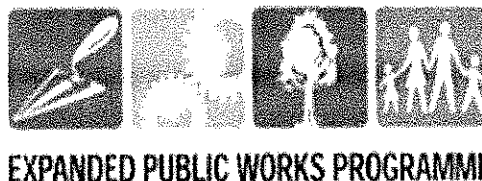
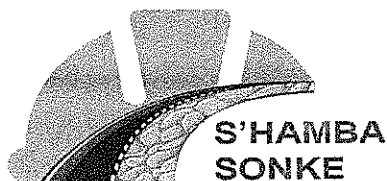
APPOINTMENT OF A CONTRACTOR WITH MINIMUM OF CIDB GRADING LEVEL 8CE
OR HIGHER FOR SPECIAL MAINTENANCE OF PRIMARY ROAD P23/1 BETWEEN
KROONSTAD AND STEYNSRUS OF 46KM FOR THE DEPARTMENT OF COMMUNITY
SAFETY, ROADS AND TRANSPORT FOR A PERIOD OF FOURTEEN (14) MONTHS.

CLOSING DATE: 24- May -2024

A CIDB GRADING MINIMUM: 8CE OR HIGHER

NAME OF THE BIDDER
BID AMOUNT
CSD NO: MAAA.....

ALL DOCUMENTS MUST BE COMPLETED WITH ORIGINAL BLACK INK.



LIST OF CONTRACT DOCUMENTS

The following documents form part of this contract:

Volume 1: The **GCC 2015** - General Conditions of Contract for construction works, 2nd Edition 2015, issued by the South African Institute of Civil Engineering (see Note 1 below).

Volume 2: The **COTO** Standard Specifications for Road and Bridge Works 2020, issued by the Committee of Transport Officials which the tenderer shall purchase himself / herself (see Note 2 below).

Volume 3: The **SARTSM** regulation for Road Signs and Road Marking Manual.

Volume 4: The **Project Document**, containing the tender notice, Conditions of Tender, Tender Data, Returnable Schedules, general and particular conditions of contract, project specifications, Pricing Schedule, Form of offer and Site Information is issued by the Employer (see Note 3 below).

The Employer's Form of Acceptance and any correspondence from the selected tenderer, performance security-demand guarantee and all addenda issued during the period of tender will also form part of this volume once a successful tenderer has been appointed.

This volume also includes the Environmental Management Plan, Health and Safety Compliance and details of the Materials Investigation (if applicable).

Notes to Tenderer:

Note 1: Volume 1 is obtainable from SAICE, Private Bag X200, Halfway House, 1685.
Tel: (011) 8055947/8, e-mail: civilinfo@saice.org.za.

Note 2: Volume 2 is obtainable from SAICE, Private Bag X200, Halfway House, 1685.
Tel: (011) 8055947/8, e-mail: civilinfo@saice.org.za.

Note 3: Volume 4 is issued at tender stage by the Head: Department of Community Safety, Roads and Transport and contains the following files:

At Contract stage Volume 4 will be a bound signed paper copy containing the following documents:

- Returnable schedules relevant to the project
- Agreements and Contract Data
- Pricing Data
- Scope of Work
- Site Information

Note 4: Information provided by a tenderer over and above the above elements of volume 4 shall be treated as information only and will only be bound into the document if the tenderer notes on Form A4: Schedule of Variations or deviations that the information has a bearing on the tender price.

Note 5: For alternative offers the tenderer shall submit the following additional documentation, clearly marked as ALTERNATIVE, in a separate neatly bound file in the following order:

- Form of Offer and state "Alternative Form of Offer";
- All returnable schedules applicable to alternative offer, as is appropriate;
- Alternative Pricing Schedule;
- Other relevant information.

T2.2.2	PREFERENTIAL PROCUREMENT SCHEDULES AND AFFIDAVIT	T2-33	Yellow
T2.2.3	PRO-FORMS TO BE SUBMITTED BY SUCCESSFUL TENDERER	T2-34	Yellow

THE CONTRACT

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C2.2	BILL OF QUANTITIES	C2-5	Yellow

**THE SPECIAL MAINTENANCE OF PRIMARY ROAD P23/1 BETWEEN KROONSTAD AND STEYNSRUS OF 46KM FOR A PERIOD
OF 14 MONTHS**

PART C3	SCOPE OF WORK	C3-1	
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FOREWORD

This document consists of two sections, namely the **TENDER** and the **CONTRACT**.

THE TENDER consists of two parts, namely:

- **T1: Tendering Procedures** Volume 1
- to be complied with by every Tenderer submitting a tender offer,
- and
- **T2: Documents to be returned by the Tenderer** Volume 1
- including the returnable schedules and forms to be completed by each Tenderer, some of which will eventually be incorporated into the contract between the successful Tenderer and the Employer.

THE CONTRACT consists of four parts, namely:

- **C1: Agreements and Contract Data** Volume 1
- **C2: Pricing Data** Volume 1
-
- **C3: Scope of Work** Volume 1
(Specifications and Project Specifications)
- and
- **C4: Site Information** Volume 1

THE SPECIAL MAINTENANCE OF PRIMARY ROAD P23/1 BETWEEN KROONSTAD AND STEYNSRUS OF 46KM FOR A PERIOD
OF 14 MONTHS

THE SPECIAL MAINTENANCE OF PRIMARY ROAD P23/1 BETWEEN KROONSTAD AND
STEYNSRUS OF 46KM FOR A PERIOD OF 14 MONTHS

THE TENDER

PART T1: TENDERING PROCEDURES

PART T1: TENDERING PROCEDURES

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T1.1 TENDER NOTICE AND INVITATION TO TENDER

T1.1.1 The Department of Community Safety, Roads and Transport, Free State Provincial Government, invites tenders for THE SPECIAL MAINTENANCE OF PRIMARY ROAD P23/1 BETWEEN KROONSTAD AND SYEYNSRUS 46KM FOR A PERIOD OF 14 MONTHS

CSR&T/BID03/2024/2025

T1.1.2 Tenderers should have a **CIDB** Contractor grading designation of **8CE OR HIGHER**.

T1.1.3 Tenderers must be registered with the **CIDB** in a **CE** class of construction works.

T1.1.4 **Preferences**

The Tender will be subjected to **B-BBEE** preferential procurement policy framework as amended.

A minimum of 30% of the Contract Value **MUST** be sub-contracted to **local Contractors**.

Evaluation and Adjudication of bids: bid will be evaluated and adjudicated in terms of the Department of Community Safety, Roads and Transport *Supply Chain Management Policy and Preferential Procurement Framework Act No. 5 of 2010*. The 90/10 in preferential procurement points system as outlined in the bid document will apply. Preferential points will be given in terms of the *Preferential Procurement Regulations, 2022*.

T1.1.5 **Tender Documents**

The tender documents will be given to the respective contractor's on the day of tender briefing

Queries relating to the issues of these documents may be addressed to:

SCM Enquiries:

Ms M Hlatywayo @079 694 0590 / Mr G Koenane @068 510 8703

Email: hlatywayom@freetrans.gov.za/Koenanek@freetrans.gov.za

T1.1.6 A compulsory clarification meeting with representatives of the Employer will take place at the Regional Roads Office in 10th Avenue Industrial Kroonstad **on the 17 May 2024**

T1.1.7 The closing time, date and venue for receipt of tenders will be **11h00 on 24 May 2024** at the Ground Floor of Perm Building, 45 Charlotte Maxeke, Bloemfontein.
NO LATE TENDERS WILL BE ACCEPTED.

T1.1.8 Telegraphic, telephonic, telex, facsimile and late tenders will not be accepted. Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the Tender Data.

THE SPECIAL MAINTENANCE OF PRIMARY ROAD P23/1 BETWEEN KROONSTAD AND STEYNSRUS OF 46KM FOR A PERIOD OF 14 MONTHS

**1. PART A
2. INVITATION TO BID**

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (FREE STATE DEPARTMENT OF COMMUNITY SAFETY, ROADS AND TRANSPORT)					
BID NUMBER:	CSR&T/BID03/2024/25	CLOSING DATE:	24 May 2024	CLOSING TIME:	11:00
DESCRIPTION	THE SPECIAL MAINTENANCE OF PRIMARY ROAD P23/1 BETWEEN KROONSTAD AND STEYNSRUS FOR A PERIOD OF 14 MONTHS				
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
45 Charlotte Maxeke Street					
Bloemfontein					
9300					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
CONTACT PERSON	Ms. M Hlatywayo & Mr. K Koenane		CONTACT PERSON	Mrs EM Phalatse/Mr Tshabalala	
TELEPHONE NUMBER	079 694 0590 & 068 510 8703		TELEPHONE NUMBER	082 059 9763 & 063 591 3030	
FACSIMILE NUMBER			FACSIMILE NUMBER		
E-MAIL ADDRESS	HlatywayoM@freetrans.gov.za KoenaneK@freetrans.gov.za		E-MAIL ADDRESS	PhalatseE@freetrans.gov.za	
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 No:	MAAA
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	TICK APPLICABLE BOX] ☐ Yes ☐ No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT		[TICK APPLICABLE BOX] ☐ Yes ☐ No
[A COMPANY REGISTRATION CERTIFICATE (CK) MUST BE SUBMITTED IN ORDER TO QUALIFY/VERIFY PREFERENCE POINTS FOR SPECIFIC GOALS]					

THE SPECIAL MAINTENANCE OF PRIMARY ROAD P23/1 BETWEEN KROONSTAD AND STEYNSRUS OF 46KM FOR A PERIOD OF 14 MONTHS

ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES ENCLOSE PROOF]	2.2 ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]
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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 2.3 BELOW.

**3. PART B
4. TERMS AND CONDITIONS FOR BIDDING**

1. BID SUBMISSION: 1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION. 1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED-(NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT. 1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
2. TAX COMPLIANCE REQUIREMENTS 2.3 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS. 2.4 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. 2.5 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILED THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA. 2.6 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID. 2.7 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER. 2.8 WHERE NO TCS PIN IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED. 2.9 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE."

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:

T1.2 STANDARD CONDITIONS OF TENDER

The Conditions of Tender are the Standard Conditions of Tender as contained in Annexure F of the CIDB Standard for Uniformity in Construction Procurement.

The Standard Conditions of Tender make several references to the Tender Data for details 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 to the clause in the Standard Conditions of Tender to which it mainly applies.

Clause number

Wording

F.1 GENERAL

F.1.1 Actions

The Employer and each tenderer submitting a tender offer shall comply with these conditions of tender. In their dealings with each other, they shall discharge their duties and obligations as set out in F.2 and F.3, timeously and with integrity, and behave equitably, honestly and transparently.

F.1.2 Tender documents

The documents issued by the Employer for the purpose of a tender offer are listed in the Tender Data.

F.1.3 Interpretation

F.1.3.1 The Tender Data and additional requirements contained in the Tender Schedules, that are included in the returnable documents, are deemed to be part of these Conditions of Tender.

F.1.3.2 These Conditions of Tender, the Tender Data and Tender Schedules, which are only required for tender evaluation purposes, shall not form part of any contract arising from the invitation to tender.

F.1.3.3 For the purposes of these conditions for the calling for expressions of interest, the following definitions apply:

- a) **comparative offer** means the Tenderer's financial offer after the factors of non-firm prices, all unconditional discounts and any other tendered parameters that will affect the value of the financial offer have been taken into consideration
- b) **corrupt practice** means the offering, giving, receiving or soliciting of anything of value to influence the action of the Employer or his staff or agents in the tender process; and
- c) **fraudulent practice** means there is representation of the facts in order to influence the tender process or the award of a contract arising from a tender offer to the detriment of the Employer, including collusive practices intended to establish prices at artificial levels

F.1.4 Communication and Employer's Agent

Each communication between the Employer and a Tenderer shall be to or from the Employer's Agent only, and in a form that can be read, copied and recorded. Writing shall be in the English language.

The Employer shall not take any responsibility for non-receipt of communications from or by a Tenderer. The name and contact details of the Employer's Agent are stated in the Tender Data.

F.1.5 The Employer's right to accept or reject any tender offer

F.1.5.1 The Employer may accept or reject any variation, deviation, tender offer, or alternative tender offer, and may cancel the tender process and reject all tender offers at any time before the formation of a contract. The Employer shall not accept or incur any liability to a Tenderer for such cancellation and rejection, but will give reasons for such action upon written request to do so.

F.1.5.2 The Employer may not, subsequent to the cancellation or abandonment of a tender process or the rejection of all tender offers, re-issue a tender covering substantially the same scope of work within a period of six months unless only one tender was received and such tender was returned unopened to the Tenderer.

F.2 TENDERER'S OBLIGATIONS

F.2.1 Eligibility

Submit a tender offer only if the Tenderer complies with the criteria stated in the Tender Data and the Tenderer, or any of his principals, is not under any restriction to do business with Employer.

F.2.2 Cost of tendering

Accept that the Employer will not compensate the Tenderer for any costs incurred in the preparation and submission of a tender offer, including the costs of any testing necessary to demonstrate that aspects of the offer satisfy requirements.

F.2.3 Check documents

Check the tender documents on receipt for completeness and notify the Employer of any discrepancy or omission.

F.2.4 Confidentiality and copyright of documents

Treat as confidential all matters arising in connection with the tender. Use and copy the documents issued by the Employer only for the purpose of preparing and submitting a tender offer in response to the invitation.

F.2.5 Reference documents

Obtain, as necessary for submitting a tender offer, copies of the latest versions of standards, specifications, Conditions of Contract and other publications, which are not attached but which are incorporated into the tender documents by reference.

F.2.6 Acknowledge addenda

Acknowledge receipt of addenda to the tender documents, which the Employer may issue, and if necessary apply for an extension to the closing time stated in the Tender Data, in order to take the addenda into account.

F.2.7 Site visit and clarification meeting

Attend, where required, a site visit and clarification meeting at which Tenderers may familiarize themselves with aspects of the proposed work, services or supply and raise questions. Details of the meeting(s) are stated in the Tender Data.

F.2.8 Seek clarification

Request clarification of the tender documents, if necessary, by notifying the Employer at least **five working days** before the closing time stated in the Tender Data.

F.2.9 Insurance

Be aware that the extent of insurance to be provided by the Employer (if any) may not be for the full cover required in terms of the Conditions of Contract identified in the Contract Data. The Tenderer is advised to seek qualified advice regarding insurance.

F.2.10 Pricing the tender offer

F.2.10.1 Include in the rates, prices, and the tendered total of the prices (if any) all duties, taxes (except Value Added Tax (VAT), and other levies payable by the successful Tenderer, such duties, taxes and levies being those applicable 14 days before the closing time stated in the Tender Data.

F.2.10.2 Show VAT payable by the Employer separately as an addition to the tendered total of the prices.

F.2.10.3 Provide rates and prices that are fixed for the duration of the contract and not subject to adjustment except as provided for in the Conditions of Contract identified in the Contract Data.

F.2.10.4 State the rates and prices in Rand unless instructed otherwise in the Tender Data. The Conditions of Contract identified in the Contract Data may provide for part payment in other currencies.

F.2.11 Alterations to documents

Not make any alterations or additions to the tender documents, except to comply with instructions issued by the Employer, or necessary to correct errors made by the Tenderer. All signatories to the tender offer shall initial all such alterations. Erasures and the use of masking fluid are prohibited.

F.2.12 Alternative tender offers

F.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.

F.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.

F.2.13 Submitting a tender offer

F.2.13.1 Submit a tender offer to provide the whole of the works, services or supply identified in the Scope of Work, unless stated otherwise in the Tender Data.

F.2.13.2 Return all returnable documents to the Employer after completing them in their entirety, either electronically (if they were issued in electronic format) or by writing in black ink.

F.2.13.3 Submit the parts of the tender offer communicated on paper as an original plus the number of copies stated in the Tender Data, with an English translation of any documentation in a language other than English, and the parts communicated electronically in the same format as they were issued by the Employer.

F.2.13.4 Sign the original and all copies of the tender offer where required in terms of the Tender Data. The Employer will hold all authorized signatories liable on behalf of the Tenderer. Signatories for Tenderers proposing to contract as joint ventures shall state which of the signatories is the lead partner whom the Employer shall hold liable for the purpose of the tender offer.

F.2.13.5 Seal the original and each copy of the tender offer as separate packages marking the packages as "ORIGINAL" and "COPY". Each package shall state on the outside the Employer's address and identification details stated in the Tender Data, as well as the Tenderer's name and contact address.

- F.2.13.6 Where a two-envelope system is required in terms of the Tender Data, place and seal the returnable documents listed in the Tender Data in an envelope marked "Financial Proposal" and place the remaining returnable documents in an envelope marked "Technical Proposal". Each envelope shall state on the outside the Employer's address and identification details stated in the Tender Data, as well as the Tenderer's name and contact address.
- F.2.13.7 Seal the original tender offer and copy packages together in an outer package that states on the outside only the Employer's address and identification details as stated in the Tender Data.
- F.2.13.8 Accept that the Employer shall not assume any responsibility for the misplacement or premature opening of the tender offer if the outer package is not sealed and marked as stated.

F.2.14 Information and data to be completed in all respects

Accept that tender offers, which do not provide all the data or information requested completely and in the form required, may be regarded by the Employer as non-responsive.

F.2.15 Closing date and time

- F.2.15.1 Ensure that the Employer receives the tender offer at the address specified in the Tender Data not later than the closing date and time stated in the Tender Data. Proof of posting shall not be accepted as proof of delivery. The Employer shall not accept tender offers submitted by telegraph, telex, facsimile or e-mail, unless stated otherwise in the Tender Data.
- F.2.15.2 Accept that, if the Employer extends the closing date stated in the Tender Data for any reason, the requirements of these conditions of tender apply equally to the extended deadline.

F.2.16 Tender offer validity

- F.2.16.1 Hold the tender offer(s) valid for acceptance by the Employer at any time during the validity period stated in the Tender Data after the closing date stated in the Tender Data.
- F.2.16.2 If requested by the Employer, consider extending the validity period stated in the Tender Data for an agreed additional period.

F.2.17 Clarification of tender offer after submission

Provide clarification of a tender offer in response to a request to do so from the Employer during the evaluation of tender offers.

This may include providing a breakdown of rates or prices and correction of arithmetical errors by the adjustment of certain rates or item prices (or both). **No change in the total of the prices or substance of the tender offer is sought, offered, or permitted.** The total of the prices stated by the Tenderer shall be binding upon the Tenderer.

F.2.18 Provide other material

- F.2.18.1 Provide, on request by the Employer, any other material that has a bearing on the tender offer, the Tenderer's commercial position (including notarized joint venture agreements), preferencing arrangements, or samples of materials, considered necessary by the Employer for the purpose of a full and fair risk assessment.
- Should the Tenderer not provide the material, or a satisfactory reason as to why it cannot be provided, by the time for submission stated in the Employer's request, the Employer may regard the tender offer as non-responsive.
- F.2.18.2 Dispose of samples of materials provided for evaluation by the Employer, where required.

F.2.19 Inspections, tests and analysis

Provide access during working hours to premises for inspections, tests and analysis as provided for in the Tender Data.

F.2.20 Submit securities, bonds, policies, etc.

If requested, submit for the Employer's acceptance before formation of the contract, all securities, bonds, guarantees, policies and certificates of insurance required in terms of the Conditions of Contract identified in the Contract Data.

F.2.21 Check final draft

Check the final draft of the contract provided by the Employer within the time available for the Employer to issue the contract.

F.2.22 Return of other tender documents

If so instructed by the Employer, return all retained tender documents within 28 days after the expiry of the validity period stated in the Tender Data.

F.2.23 Certificates

Include in the tender submission or provide the Employer with any certificates as stated in the Tender Data.

F.3 THE EMPLOYER'S UNDERTAKINGS

F.3.1 Respond to clarification

Respond to a request for clarification received up to **five working days** prior to the tender closing time stated in the Tender Data and notify all Tenderers who drew procurement documents.

F.3.2 Issue addenda

If necessary, issue addenda that may amend or amplify the tender documents to each Tenderer during the period from the date of the Tender Notice until **seven calendar days** before the tender closing date stated in the Tender Data.

If, as a result a Tenderer applies for an extension to the closing date stated in the Tender Data, the Employer may grant such extension and, will then notify it to all Tenderers who drew documents.

F.3.3 Return late tender offers

Return tender offers received after the closing date or time stated in the Tender Data, unopened, (unless it is necessary to open a tender submission to obtain a forwarding address), to the Tenderer concerned.

F.3.4 Opening of tender submissions

F.3.4.1 Unless the two-envelope system is to be followed, open valid tender submissions in the presence of Tenderers' agents who choose to attend at the time and place stated in the Tender Data. Tender submissions for which acceptable reasons for withdrawal have been submitted will not be opened.

F.3.4.2 Announce at the opening held immediately after the opening of tender submissions, at a venue indicated in the Tender Data, the name of each Tenderer whose tender offer is opened, the total of his prices, preferences claimed and time for completion, if any, for the main tender offer only.

F.3.4.3 Make available the record outlined in F.3.4.2 to all interested persons upon request.

F.3.5 Two-envelope system

F.3.5.1 Where stated in the Tender Data that a two-envelope system is to be followed, open only the Technical Proposal of valid tenders in the presence of Tenderers' agents who choose to attend at the time and place stated in the Tender Data and announce the name of each Tenderer whose Technical Proposal is opened.

F.3.5.2 Evaluate the quality of the Technical Proposals offered by Tenderers, then advise Tenderers, who remain in contention for the award of the contract of the time and place when the Financial Proposals will be opened. Open only the Financial Proposals of Tenderers, who score in the quality evaluation above the minimum number of points for quality stated in the Tender Data, and announce the score obtained for the Technical Proposals and the total price and any preferences claimed. Return unopened Financial Proposals to Tenderers who's Technical Proposals failed to achieve the minimum number of points for quality.

F.3.6 Non-disclosure

Not disclose to Tenderers, or to any other person not officially concerned with such processes, information relating to the evaluation and comparison of tender offers, the final evaluation price and recommendations for the award of a contract, until after the award of the contract to the successful Tenderer.

F.3.7 Grounds for rejection and disqualification

Determine whether there has been any effort by a Tenderer to influence the processing of tender offers and instantly disqualify a Tenderer (and his tender offer) if it is established that he engaged in corrupt or fraudulent practices.

F.3.8 Test for responsiveness

F.3.8.1 Determine, on opening and before detailed evaluation, whether each tender offer properly received:

- a) meets the requirements of these Conditions of Tender,
- b) has been properly and fully completed and signed, and
- c) is responsive to the other requirements of the tender documents.

F.3.8.2 A responsive tender is one that conforms to all the terms, conditions, and specifications of the tender documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer's opinion, would:

- a) Detrimentially affect the scope, quality, or performance of the works, services or supply identified in the Scope of Work,
- b) Change the Employer's or the Tenderer's risks and responsibilities under the contract, or
- c) Affect the competitive position of other Tenderers presenting responsive tenders, if it were to be rectified.

F.3.8.3 Reject a non-responsive tender offer, and not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.

F.3.9 Arithmetical errors

F.3.9.1 Check responsive tender offers for arithmetical errors, correcting them in the following manner:

- a) Where there is a discrepancy between the amounts in figures and in words, the amount in words shall govern.
- b) If a Bill of Quantities (or Schedule of Quantities or Schedule of Rates) applies and there is an error in the line item total resulting from the product of the unit rate and the quantity, the line item total shall govern and the rate shall be corrected.
- c) Where there is an obviously gross misplacement of the decimal point in the unit rate, the line item total as quoted shall govern, and the unit rate will be corrected.
- d) **Where there is an error in the total of the prices either as a result of other corrections required by this checking process or in the Tenderer's addition of prices, the total of the prices shall govern and the Tenderer will be asked to revise selected item prices (and their rates if a Bill of Quantities applies) to achieve the tendered total of the prices.**

F.3.9.2 Consider the rejection of a tender offer if the Tenderer does not correct or accept the correction of his arithmetical errors in the manner described above.

F.3.10 Clarification of a tender offer

Obtain clarification from a Tenderer on any matter that could give rise to ambiguity in a contract arising from the tender offer.

F.3.11 Evaluation of tender offers

F.3.11.1 General

Appoint an evaluation panel of not less than three persons. Reduce each responsive tender offer to a comparative offer and evaluate it using the tender evaluation method that is indicated in the Tender Data and described below:

Method 1: Financial offer (N/A)	1) Rank tender offers from the most favourable to the least favourable comparative offer. 2) Recommend highest ranked Tenderer for the award of the contract, unless there are compelling and justifiable reasons not to do so.
Method 2: Financial offer and preferences (N/A)	1) Score tender evaluation points for financial offer. 2) Confirm that Tenderers are eligible for the preferences claimed and if so, score tender evaluation points for preferencing. 3) Calculate total tender evaluation points. 4) Rank tender offers from the highest number of tender evaluation points to the lowest. 5) Recommend Tenderer with the highest number of tender evaluation points for the award of the contract, unless there are compelling and justifiable reasons not to do so.
Method 3: Financial offer and quality (N/A)	1) Score quality, rejecting all tender offers that fail to score the minimum number of points for quality stated in the Tender Data. 2) Score tender evaluation points for financial offer. 3) Calculate total tender evaluation points. 4) Rank tender offers from the highest number of tender evaluation points to the lowest. 5) Recommend Tenderer with the highest number of tender evaluation points for the award of the contract, unless there are compelling and justifiable reasons not to do so.
Method 4: Financial offer, quality and preferences	1) Score quality, rejecting all tender offers that fail to score the minimum number of points for quality stated in the Tender Data. 2) Score tender evaluation points for financial offer. 3) Confirm that Tenderers are eligible for the preferences claimed, and if so, score tender evaluation points for preferencing. 4) Calculate total tender evaluation points. 5) Rank tender offers from the highest number of tender evaluation points to the lowest. 6) Recommend Tenderer with the highest number of tender evaluation points for the award of the contract, unless there are compelling and justifiable reasons not to do so.

Score financial offers, preferences and quality, as relevant, to two decimal places.

F.3.11.2 Evaluation Criteria

F.3.12 Insurance provided by the Employer

If requested by the proposed successful Tenderer, submit for the Tenderer's information the policies and / or certificates of insurance which the Conditions of Contract identified in the Contract Data, require the Employer to provide.

F.3.13 Acceptance of tender offer

F.3.13.1 Accept tender offer only if the Tenderer satisfies the legal requirements stated in the Tender Data.

F.3.13.2 Notify the successful Tenderer of the Employer's acceptance of his tender offer by completing and returning one copy of the Form of Offer and Acceptance before the expiry of the validity period stated in the Tender Data, or agreed additional period. Providing the Form of Offer and Acceptance does not contain any qualifying statements, it will constitute the formation of a contract between the Employer and the successful Tenderer as described in the Form of Offer and Acceptance.

F.3.14 Notice to unsuccessful Tenderers

After the successful Tenderer has acknowledged the Employer's notice of acceptance, notify other Tenderers that their tender offers have not been accepted.

F.3.15 Prepare contract documents

If necessary, revise documents that shall form part of the contract and that were issued by the Employer as part of the tender documents to take account of:

- a) addenda issued during the tender period,
- b) inclusion of some of the returnable documents,
- c) other revisions agreed between the Employer and the successful Tenderer, and
- d) the Schedule of Deviations attached to the Form of Offer and Acceptance, if any.

F.3.16 Issue final contract

Prepare and issue the final draft of contract documents to the successful Tenderer for acceptance as soon as possible after the date of the Employer's signing of the Form of Offer and Acceptance (including the Schedule of Deviations, if any).

Only those documents that the conditions of tender require the Tenderer to submit, after acceptance by the Employer, shall be included.

F.3.17 Complete adjudicator's contract

Unless alternative arrangements have been agreed or otherwise provided for in the contract, arrange for both parties to complete formalities for appointing the selected adjudicator at the same time as the main contract is signed.

F.3.18 Provide copies of the contract

Provide to the successful Tenderer the number of copies stated in the Tender Data of the signed copy of the contract as soon as possible after completion and signing of the Form of Offer and Acceptance.

T1.3 TENDER DATA

T1.3.1 GENERAL

The Conditions of Tender in Section T1.2 are the Standard Conditions of Tender as contained in Annex F of SANS 294 – *Construction Procurement Processes, Methods and Procedures* which contain references to the Tender Data for details that apply specifically to this tender. The Tender Data in this Section T.1.3 shall be read with the Standard Conditions of Tender in order to expand on the Tenderer's obligations and the Employer's undertakings in administering the tender process in respect of the project under consideration. The Tender Data hereafter shall have precedence in the interpretation of any ambiguity or inconsistency between it and the Standard Conditions of Tender. Each item of Tender Data given below is cross-referenced to the relevant clause in the Standard Conditions of Tender.

T1.3.2 TENDER DATA APPLICABLE TO THIS TENDER

**Clause
number**

Wording

F1. GENERAL

F.1.2 Tender documents

The tender documents issued by the Employer comprise of:

a) VOLUME 1: PROJECT DOCUMENT

This volume is the Project Document for CSR&T/BID03/2024/25 and contains the following sections:

THE TENDER

PART T1: TENDERING PROCEDURES

- T1.1 TENDER NOTICE AND INVITATION TO TENDER
- T1.2 STANDARD CONDITIONS OF TENDER
- T1.3 TENDER DATA

PART T2: RETURNABLE DOCUMENTS

- T2.1 LIST OF RETURNABLE DOCUMENTS
- T2.2 RETURNABLE SCHEDULES

THE CONTRACT

PART C1: AGREEMENTS AND CONTRACT DATA

- C1.1 FORM OF OFFER AND ACCEPTANCE
- C1.2 CONTRACT DATA

PART C2: PRICING DATA

- C2.1 PRICING INSTRUCTIONS
- C2.2 BILL OF QUANTITIES

PART C3: SCOPE OF WORK

- C3.1 STANDARD SPECIFICATIONS
- C3.2 PROJECT SPECIFICATIONS
- C3.3 PARTICULAR SPECIFICATIONS

PART C4: SITE INFORMATION

The following documents also form part of the tender and contract, but must be purchased by each of the Tenderers themselves:

d) VOLUME 3: *General Conditions of Contract for construction works, Third edition 2015*, issued by the South African Institute of Civil Engineering.

- e) **VOLUME 4: *The COTO Standard Specifications for Road and Bridge Works for State Road Authorities October 2020***, issued by the Committee of Land Transport Officials.
- f) **VOLUME 5: TG2 Third Edition August 2020****Technical Guideline: Bitumen Stabilised Materials, A Guideline for the Design and Construction of Bitumen Emulsion and Foamed Bitumen Stabilised Materials**
- g) ***The Occupational Health and Safety Act No 85 and Amendment Act No 181 of 1993, and the Construction Regulations GNR.929 of 25 June 2014 (Government Gazette No 25207 of 18 July 2014, Notice No R1010)***, together with all COVID related regulations. This document is obtainable separately, and Tenderers shall obtain their own copies.
- h) In addition Tenderers are advised, in their own interest, to obtain their own copies of the following acts, regulations and standards referred to in this document as they are essential for the Tenderer to get acquainted with the basics of construction management, the implementation of preferential construction procurement policies and participation of targeted enterprises and labour.
 - (i) The Construction Industry Development Board Act No 38 of 2000 and the Regulations in terms of the CIDB Act 38/2000, Government Notice No 692 of 9 June 2004, and amendments
 - (ii) SANS 10396:2003 Implementing Preferential Construction Procurement Policies using Targeted Procurement Procedures
 - (iii) SANS 1914:2003 Targeted Construction Procurement, Parts 1 to 6, dealing with Participation of Targeted Enterprises, Joint Ventures, Targeted Labour etc.

The Project Document and the drawings shall be obtained from the Employer or his authorized representative at the physical address stated in the Tender Notice, upon payment of the deposit stated in the Tender Notice.

 - (iv) Asphalt Academy May 2009 publication "TG2 Second Edition, Technical guideline: Bitumen Stabilised Materials".

F.1.4 Communication and Employer's Agent

The Employer's Agent is: Mr. VTN Ntaka

Address : Hamilton roads office 26 Hartley Street, Bloemfontein.
Tel no : +27 82 0599 720
Fax no : 051 4098575
e-mail : ntakav@freetrans.gov.za

The Engineer per GCC 2015 E PHALATSE

Address : Road Office, 10th Avenue Industria, Kroonstad, 9499
Tel no : 0562 124191/0820599763
Email : PhalatseE@freetrans.gov.za

F2.1 Eligibility

F2.1.1 Only those Tenderers who have in their employ management and supervisory staff satisfying the requirements of the Scope of Work for labour intensive competencies for supervisory and management staff are eligible to submit tenders. NQF Level will be a minimum requirement for supervisors.

F2.1.2 The following Tenderers who are registered with the CIDB, or are capable of being so registered prior to the evaluation of submissions, are eligible to submit tenders:

- a) contractors who have a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered for **8CE** or **Higher** class of construction work; and
- b) contractors registered as potentially emerging enterprises with the CIDB who are registered in one contractor grading designation lower than that required in terms of a) above
- c) Tenderers need to ensure that they are registered in the grading in which they tender if their tender price differs from the grading as specified

F2.1.3 Joint Ventures are eligible to submit tenders provided that:

- a) every member of the joint venture is registered with the CIDB;
- b) the lead partner has a contractor grading designation in the **8CE** class of construction work; or Higher.
- c) the combined contractor grading designation calculated in accordance with the Construction Industry Development Board Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a **8CE** or **Higher** class of construction work.

F2.7 Site visit and clarification meeting

The arrangements for a compulsory clarification meeting are as stated in the Tender Notice and Invitation to Tender.

NOTE:NON-ATTENDANCE OF THIS MEETING WILL DISQUALIFY THE TENDER

- (a) The Attendance List will be accepted as the official attendance of the clarification meeting. Signing the Attendance List of this meeting is the responsibility of the Tenderer attending the meeting and site inspection.

It is important for prospective Tenderers to note that the name of the company on the Attendance List will be accepted as the legitimate Tenderer, which was represented by the person who signed the Attendance List.

- (b) Addenda of additional or changed contractual information will only be forwarded to Tenderers who attended the official site visit and clarification meeting.

F2.12. Alternative tender offers

Should a Tenderer wishes to submit an alternative tender offer, the only criteria permitted for such alternative tender offer is that it demonstrably satisfies the Employer's standards and requirements, the details of which may be obtained from the Employer's Agent.

Calculations, drawings and all other pertinent technical information and characteristics as well as modified or proposed Pricing Data must be submitted with the alternative tender offer to enable the Employer to evaluate the efficacy of the alternative and its principal elements, to take a view on the degree to which the alternative complies with the Employer's standards and requirements and to evaluate the acceptability of the pricing proposals. Calculations must be set out in a clear and logical sequence and must clearly reflect all design assumptions. Pricing Data must reflect all assumptions in the development of the pricing proposal.

Acceptance of an alternative tender offer will mean acceptance in principle of the offer. It will be an obligation of the contract for the Tenderer, in the event that the alternative is accepted, to accept full responsibility and liability that the alternative offer complies in all respects with the Employer's standards and requirements.

The modified Pricing Data must include an amount equal to 0% of the amount tendered for the alternative offer to cover the Employer's costs of confirming the acceptability of the detailed design before it is constructed.

F2.13 Submitting a tender offer

F2.13.5 Tender offers shall be submitted as an original only.

F2.13.7 **The Employer's address:**

The Head
Department of Community Safety, Roads and Transport
PO Box 690
Room 219
Perm Building
Charlotte Maxeke Street
BLOEMFONTEIN
9300

Location of tender box : **Ground Floor of 45 Charlotte Maxeke Street, Perm Building, Bloemfontein**

Identification details : **Contract no: 051 409 8899 & 051 8891**

Description of project : **THE SPECIAL MAINTENANCE OF PRIMARY ROAD P23/1 BETWEEN KROONSTAD AND STEYNSRUS FOR A PERIOD OF 14 MONTHS**

F2.15 Closing time

The closing date for submission of tender offers is as stated in the Tender Notice and Invitation to Tender.

F2.16 Tender offer validity

The tender offer validity period is **90 calendar** days from the closing date for submission of tenders.

F2.18 Provide other material

The Tenderer shall, when requested by the Employer to do so, submit the names of all management and supervisory staff that will be employed to supervise the labour-intensive portion of the works with satisfactory evidence that such staff members satisfy the eligibility requirements.

F2.23 Certificates

The following certificates need to be included in the Tender:

- a) A valid Tax Pin or Clearance Certificate for the Tenderer or for each of the JV partners if tendered in a Joint Venture, issued by the South African Revenue Services;
- b) The Tenderer's CIDB Registration Certificate or the Joint Venture's members' CIDB Registration Certificates with an indication of the senior partner.

F3.4 Opening of tender submissions

Tender submissions will be opened at 45 Charlotte Maxeke Street, Room 219, Perm Building.

F3.5 Two-envelope system

The two-envelope system will not be followed for this contract.

F3.11 Evaluation of tender offers

F3.11.1 Due to the nature of the tendering process, with negotiated rates, the tenders will be evaluated and the rates balanced to suit the particular Contractor's circumstance.

F3.11.2. PHASE 1 - MANDATORY REQUIREMENTS

- ✓ Attendance of briefing session

Briefing session will be held as per the details below and in addition the purpose is to give contractors clear requirements of the bid. Furthermore, it must be noted that, bidders who will not attend the briefing session as requested will be disqualified.

Completed and signed attendance register will be used to verify attendance of each bidder.

Date: 17 May 2024

Time:11:00

Venue:KROONSTAD ROADS OFFICE

- ✓ A valid Tax Clearance Certificate, or a unique security Personal Identification number (PIN) issued by the South African Revenue Services (where Consortium / Joint Venture / Sub-Contractors are involved, each party to the association must submit a separate Valid Tax Clearance Certificate or a unique security personal Identification number);
- ✓ Bidders must return all fully completed and duly signed standard bidding documents (SBD), returnable schedules and Contract Data forms. These forms must be completed with a black inked(non-erasable) pen and attach all returnable documents.
- ✓ Bidders must be registered on the centralised supplier database-CSD print out must be attached or must provide a CSD registration number (MAAA.....)
- ✓ Bidders must attach a valid CIDB grading 8CE or Higher Certificate.
- ✓ In the case of a Joint Venture/ Consortium (any form of partnership) the Bidder must attach the following:

- A joint venture agreement duly signed by both parties, and
- Certificate of Authority for Signature (Power of Attorney).
- The CIDB grading calculated in the name of the JV must also be attached.

NB! Failure to comply with the mandatory requirements will lead to disqualification

F3.11.3 PHASE 2: Scoring quality (Functionality)

Points for functionality will be allocated according to the table below.

Criterion	Description of criteria	Scoring	Points	Total Points Allocation
EXPERIENCE	Bidders must submit Copies of Appointment Letters and completion certificates for similar nature of work and with traceable references to be attached as proof. Appointment Letters and completion certificates will only be considered valid if they meet the following criteria: ✓ If on an official client letterhead, ✓ If it refers to provision of similar goods or services provided. ✓ Appointment letter and completion certificate must be of the same project. ✓ All the appointment letters and completion cert for the projects completed must be above R50 million. It must contain contact details, signed, and dated by authorised personnel. In the case where completion certificates are signed by Consultants- the appointment letter of such consultant(s) by roads agency of state and any provincial, National, Municipality must be attached.	5 and More Projects of similar type	10	10
		3-4 Projects of similar type	7	
		1-2 Projects of similar type	3	
		0 Projects of similar type	0	
CAPACITY NB: Years of experience on the CV must be indicated by	Contracts Manager: Years of experience with a B.Tech or B.Eng Degree qualification in Civil Engineering and registered with a professional body e.g. ECSA, SACPCMP...	More than 10 years in roads construction only, experience & qualifications on similar works	8	8

correct dates (DD/MM/YYYY). Example: 01/07/2016 to 31/07/2021 (5 Years)	CV's and certified copies by SAPS of qualifications must be attached of key staff for points to be allocated. Failure to attach will result in no points being allocated. NB: Attach employment contract of the member. Please note submitted CVs will be accepted as project team members for the project duration. Department reserves the right to cancel the contract with immediate effect; if the submitted CVs personnel is not the team executing the project!!	7 to 10 years roads experience and qualification on similar works	5	
		3 to 6 years in roads construction only, experience & qualifications on similar works	2	
		Less than 3 years' experience No correct qualifications or not certified by SAPS Contract of employment not attached	0	
		Site Agent: Years of experience and Diploma qualification in Civil Engineering. CV's and certified copies (SAPS) of qualifications must be attached of key staff for points to be allocated. Failure to attach will result in no points being allocated. NB: Attach employment contract of the member. Please note submitted CVs will be accepted as project team members for the duration. Department reserves the right to cancel the contract with immediate effect; if the submitted CVs personnel is not the team executing the project!!	5 or more years of experience in roads construction only, qualifications on similar works	
2 to less than 4 years of experience in road construction & similar qualifications.	4			
Any years of experience in similar field, with no qualification	2			
Less than 5 years' experience No correct qualifications or not certified by SAPS Contract of employment not attached	0			
BIDDERS REGISTERED PLANT/EQUIPMENT (15) POINTS				
PLANT/ EQUIPMENT	Ownership of a plant is critical and Bidders must attach proof (e-natis certificate of ownership in the name of the tenderer or	2 x Graders 1 grader = 1 Point	2	

	JV partner where applicable) thereof / In case of rental a lease agreement must be attached along with e-natis certificate of ownership of the lessor. ✓ In case of holding, company and its subsidiaries a memorandum of agreement must be attached for utilization of plant equipment.	4 x Tipper Trucks <i>1 Tipper = 1 point</i>	4	15
		2 x Excavator <i>1 Excavator = 1 point</i>	2	
		1 x recycling machine	4	
		1 x Chip spreader	3	
LOCALITY	Locality as per CIPC registration (falsification of locality will lead to disqualification from participating in the contract)	Fezile Dabi district	5	5
		Free State based offices	3	
		Outside Free State Province based offices	1	
MAXIMUM POSSIBLE SCORE				45

The Bids will be evaluated on Mandatory requirements, Functionality, whereby potential service providers are **expected to score minimum points of 27 out of 45 for functionality**. Failure to score the required minimum **score of 27 points**, then the bidder will be disqualified;

Risk assessment will be conducted in line with CIDB regulations.

F3.11.4 PHASE 3: REFERENCIAL CLAIM POINTS IN TEMS OF PREFERENCIAL PROCUREMENT REGULATION SYSTEMS 90/10

A maximum of 90 points is allocated for price on the following basis:

90/10

$$P_s = 90 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right)$$

Where

P_s = Points scored for price of tender under consideration

P_t = Price of tender under consideration

P_{min} = Price of lowest acceptable tender

POINTS ALLOCATED FOR SPECIFIC GOALS

Table 1: Specific goals for the tender and points claimed are indicated per the table below.

(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.

Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)

The specific goals allocated points in terms of this tender	Number of points allocated (90/10 system) (To be completed by the organ of state)	Proof of documents to be attached	Number of points claimed (90/10 system) (To be completed by the tenderer)
Enterprise with ownership of 51% or more by person/s who are black person/s.	2	CIPC and Certified ID copies by SAPS within 3 months	
Enterprise with ownership of 51% or more by person/s who are women.	5	CIPC and Certified ID copies by SAPS within 3 months	
Enterprise with ownership of 51% or more by person/s who are youth.	2	CIPC and Certified ID copies by SAPS within 3 months	
Enterprise with ownership of 51% or more by person/s with disability.	1	CIPC, Certified ID copies and medical certificate by SAPS within 3 months	
Total	10		

F3.13 Acceptance of tender offer

F3.13.1 Tender offers will only be accepted if:

- the tender offer is signed by a person authorized to sign on behalf of the Tenderer;
- the Tenderer submitted an original valid Tax Clearance Certificate issued by the South African Revenue Services;
- Tenderer's declaration of compliance with the Occupational Health and Safety Act No 85 of 1993 and the Construction Regulations 2014 is included with his tender submission;
- a Tenderer who submitted a tender as a Joint Venture has included an acceptable Joint Venture Agreement with his tender;
- the Tenderer or a competent authorized representative of the contractor who submitted the tender has attended the compulsory clarification meeting or site inspection;
- the Tenderer included with its tender the contractor's CIDB Registration Certificate (or certified copy thereof) as proof that it is registered in accordance with the Construction Industry Development Board Act No. 38 of 2000 and the Regulations 2003 promulgated in terms of the Act;
- the Tenderer or any of its directors 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; and

- h) the Tenderer has not:
 - i) abused the Employer's Supply Chain Management System; or
 - ii) failed to perform on any previous contract and has been given a written notice to this effect
- i) has 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.

F3.14 Provide copies of the contract

The Employer will provide the successful Tenderer, now the Contractor, with one copy of the complete, signed contract document.

THE SPECIAL MAINTENANCE OF PRIMARY P23/1 BETWEEN KROONSTAD AND STEYNSRUS FOR A
PERIOD OF 14 MONTHS

PART T2 : RETURNABLE DOCUMENTS

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THE SPECIAL MAINTENANCE OF PRIMARY ROAD P23/1 BETWEEN
KROONSTAD AND STEYNSRUS OF 46KM FOR A PERIOD OF 14
MONTHS

TENDER NO: CSR&T/BID03/2024/25

PART T2 : RETURNABLE DOCUMENTS

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T2.1 LIST OF RETURNABLE DOCUMENTS

The Tender Document must be submitted as a whole. All forms must be properly completed as required, and the document shall not be taken apart or altered in any way whatsoever.

All the certificates and forms to be provided with the tender are listed in the Tender Data under F2.23: Certificates, and under the returnable schedules and forms in T2.2 hereafter.

The list of returnable documents comprises the following :

1. All the certificates listed in the Tender Data under F2.23 : Certificates;
2. All the returnable schedules and forms listed in T2.2.1 : Returnable Schedules Required for Tender Evaluation Purposes;
3. All the forms and agreements in the Contract Data in C1.2, where some of the forms (agreements) need to be completed only by successful Tenderer;
4. Pricing Data in C2.2 : Bill of Quantities.

T2.2 RETURNABLE SCHEDULES

T2.2.1 RETURNABLE SCHEDULES REQUIRED FOR TENDER EVALUATION PURPOSES

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NOTE : The Tenderer is required to complete each and every schedule and form listed above to the best of his ability, as the evaluation of tenders and the eventual contract will be based on the information provided by the Tenderer.
Failure of a Tenderer to complete the schedules and forms to the satisfaction of the Employer will inevitably prejudice the tender and may lead to rejection on the grounds that the tender is not responsive.

The same applies to the Preferential Procurement Schedule in T2.2.2.

SCHEDULE A : RECORD OF ADDENDA TO TENDER DOCUMENTS

I / We confirm that the following communication/s, amending the tender documents, received from the Employer or his representative before the closing date for submission of this tender offer, have been taken into account in this tender offer :

Addendum no.	Date	Title or details
1		
2		
3		
4		
5		
6		
7		
8		

SIGNATURE :

SCHEDULE B : CERTIFICATE OF AUTHORITY

Indicate the status of the Tenderer by ticking the appropriate box hereunder. The Tenderer must complete the certificate set out below for the relevant category.

(i) COMPANY	(ii) CLOSE CORPORATION	(iii) PARTNERSHIP	(iv) JOINT VENTURE	(v) SOLE PROPRIETOR

(i) CERTIFICATE FOR COMPANY

I,, Managing Director of the Board of Directors of, hereby confirm that by resolution of the Board (copy attached) taken on 20....., Mr/Ms, acting in the capacity of, was authorized to sign all documents in connection with this tender and any contract resulting from it, on behalf of the company.

Managing Director :

(ii) CERTIFICATE FOR CLOSE CORPORATION

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

NAME	ADDRESS	SIGNATURE	DATE

Note : *This certificate is to be completed and signed by all of the key members upon whom rests the direction of the affairs of the Close Corporation as a whole.*

(iii) CERTIFICATE FOR PARTNERSHIP

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

NAME	ADDRESS	SIGNATURE	DATE

THE SPECIAL MAINTENANCE OF PRIMARY ROAD P23/1 BETWEEN KROONSTAD AND STEYNSRUS OF 46KM FOR A PERIOD OF 14 MONTHS

NAME	ADDRESS	SIGNATURE	DATE

Note : *This certificate is to be completed and signed by all of the key partners upon whom rests the direction of the affairs of the Partnership as a whole.*

(iv) CERTIFICATE FOR JOINT VENTURE

We, the undersigned, are submitting this tender offer in Joint Venture and hereby authorize Mr/Ms, authorized signatory of the company, acting in the capacity of lead partner, to sign all documents in connection with this tender offer and any contract resulting from it, on our behalf.

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

NAME OF FIRM	ADDRESS	AUTHORIZING SIGNATURE, NAME AND CAPACITY
Lead partner		

Note : *This certificate is to be completed and signed by all of the key partners upon whom rests the direction of the affairs of the Partnership as a whole.*

(v) CERTIFICATE FOR SOLE PROPRIETOR

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

Signature of sole owner :

REGISTRATION CERTIFICATE / AGREEMENT / ID DOCUMENT

Important note to Tenderer :

Registration Certificates for Companies, Close Corporations and Partnerships, or Agreements and Powers of Attorney for Joint Ventures, or ID documents for Sole Proprietors, all as referred to in the foregoing forms and in T2.1, must be attached here.

SCHEDULE C : ` COMPULSORY ENTERPRISE QUESTIONNAIRE

The following particulars must be furnished. In the case of a Joint Venture, separate enterprise questionnaires in respect of each partner must be completed and submitted.

Section 1 : Name of enterprise :

Section 2 : VAT registration number :

Section 3 : CIDB registration number :

Section 4 : 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 5 : Particulars of companies and close corporations

Company registration number

Close corporation number

Tax reference number

Section 6 : Record of service of the state

Indicate by marking the relevant boxes with a cross, if any sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months, in the service of any of the following:

- | | |
|--|---|
| ☐ a member of any municipal council | ☐ an employee of any provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999) |
| ☐ a member of any provincial legislature | |
| ☐ a member of the National Assembly or the National Council of Province | |
| ☐ a member of the board of directors of any municipal entity | ☐ a member of an accounting authority of any national or provincial public entity |
| ☐ an official of any municipality or municipal entity | ☐ an employee of Parliament or a provincial legislature |

If any of the above boxes are marked, disclose the following :

Name of sole proprietor, partner, director, manager, principal shareholder or stakeholder	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		Current	Within last 12 months

Note : Insert separate page if necessary

Section 7 : Record of spouses, children and parents in the service of the state

Indicate by marking the relevant boxes with a cross, if any spouse, child or parent of a sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months, been in the service of any of the following:

- | | |
|--|---|
| ☐ a member of any municipal council | ☐ an employee of any provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999) |
| ☐ a member of any provincial legislature | |
| ☐ a member of the National Assembly or the National Council of Province | ☐ a member of an accounting authority of any national or provincial public entity |
| ☐ a member of the board of directors of any municipal entity | ☐ an employee of Parliament or a provincial legislature |
| ☐ an official of any municipality or municipal entity | |

If any of the above boxes are marked, disclose the following :

Name of spouse, child or parent	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		current	Within last 12 months

Note : Insert separate page if necessary

THE SPECIAL MAINTENANCE OF PRIMARY ROAD P23/1 BETWEEN KROONSTAD AND STEYNSRUS OF 46KM FOR A
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The undersigned, who warrants that he/she is duly authorized to do so on behalf of the enterprise :

- i) confirms that 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;
- ii) 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;
- iii) 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;
- iv) 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 _____

SCHEDULE D : PLANT AND EQUIPMENT

The following are a list of major items of relevant equipment that I / we presently own and will have available for this contract if my / our tender is accepted.

(a) Details of major equipment that is owned by me / us and immediately available for this contract.

DESCRIPTION (type, size, capacity etc)	QUANTITY	YEAR OF MANUFACTURE

Attach additional pages if more space is required

(b) Details of major equipment that will be hired, or acquired for this contract if my / our tender is accepted

DESCRIPTION (type, size, capacity etc)	QUANTITY	HOW ACQUIRED	
		HIRE/BUY	SOURCE

Note : Attach additional pages if more space is required

The Tenderer undertakes to bring onto site without additional cost to the Employer any additional plant not listed but which may be necessary to complete the contract within the specified contract period.

SIGNATURE :

THE SPECIAL MAINTENANCE OF PRIMARY ROAD P23/1 BETWEEN KROONSTAD AND STEYNSRUS OF 46KM FOR A
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ATTACH THE PLANT AND EQUIPMENT LIST/S HERE

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SCHEDULE E : EXPERIENCE OF TENDERER

The following is a statement of work of similar nature recently successfully executed by myself / ourselves:

EMPLOYER: CONTACT PERSON AND TELEPHONE NUMBER	CONSULTING ENGINEER: CONTACT PERSON AND TELEPHONE NUMBER	NATURE OF WORK	VALUE OF WORK (inclusive of VAT)	DATE COMPLETED OR EXPECTED TO BE COMPLETED

THE SPECIAL MAINTENANCE OF PRIMARY ROAD P23/1 BETWEEN KROONSTAD AND STEYNSRUS OF 46KM FOR A
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SIGNATURE :

THE SPECIAL MAINTENANCE OF PRIMARY ROAD P23/1 BETWEEN KROONSTAD AND STEYNSRUS OF 46KM FOR A
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ATTACH THE LIST HERE IF SEPARATE LIST IS PROVIDED

THE SPECIAL MAINTENANCE OF PRIMARY ROAD P23/1 BETWEEN KROONSTAD AND STEYNSRUS OF 46KM FOR A
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SCHEDULE F : TENDERERS' KEY PERSONNEL

NAME	POSITION	NQF QUALIFICATION

SIGNATURE :

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ATTACH COPIES OF NQF CERTIFICATES FOR LABOUR INTENSIVE CONSTRUCTION OF
RELEVANT SUPERVISORS

SCHEDULE G : PRELIMINARY PROGRAMME

The Tenderer shall detail below or attach a preliminary programme reflecting the proposed sequence and tempo of execution of the various activities comprising the work for this Contract. The programme shall be in accordance with the information supplied in the Contract, requirements of the Project Specifications and with all other aspects of his Tender.

PROGRAMME

ACTIVITY	MONTHS													

[Note: The programme must be based on the completion time as specified in the Contract Data. No other completion time that may be indicated on this programme will be regarded as an alternative offer, unless it is listed in Table (b) of Form I hereafter and supported by a detailed statement to that effect, all as specified in the Tender Data]

SIGNATURE :

THE SPECIAL MAINTENANCE OF PRIMARY ROAD P23/1 BETWEEN KROONSTAD AND STEYNSRUS OF 46KM FOR A
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ATTACH PRELIMINARY PROGRAM HERE

SCHEDULE H : AMENDMENTS, QUALIFICATIONS AND ALTERNATIVES

The Tenderer should record any amendments and alternatives he may wish to make to the tender documents in this schedule. Alternatively a Tenderer may state such amendments and alternatives in a covering letter to his tender and reference such letter in this schedule.

The Tenderer's attention is drawn to clause F3.3 if the Standard Conditions of Tender referenced in the Tender Data regarding the Employer's handling of material deviations and qualifications.

These amendments and qualifications, if accepted by the Employer, will be incorporated in the Form of Offer and Acceptance, Schedule of Deviations.

(a) AMENDMENTS AND QUALIFICATIONS

PAGE	CLAUSE OR ITEM NO	PROPOSED AMENDMENT AND QUALIFICATIONS

**[Notes: (1) Amendments to the General and Special Conditions of Contract are not acceptable;
(2) The Tenderer must give full details of all the financial implications of the amendments and qualifications in a covering letter attached to his tender.**

(b) ALTERNATIVES

PROPOSED ALTERNATIVE	DESCRIPTION OF ALTERNATIVE

[Notes: (1) Individual alternative items that do not justify an alternative tender, and an alternative offer for time for completion should be listed here.

(2) In the case of a major alternative to any part of the work, a separate Bill of Quantities, programme, etc, and a detailed statement setting out the salient features of the proposed alternatives must accompany the tender.

(3) Alternative tenders involving technical modifications to the design of the works and methods of construction shall be treated separately from the main tender offer.]

SIGNATURE :

THE SPECIAL MAINTENANCE OF PRIMARY ROAD P23/1 BETWEEN KROONSTAD AND STEYNSRUS OF 46KM FOR A
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ATTACH ALTERNATIVES HERE

SCHEDULE I : CONTRACTOR'S HEALTH AND SAFETY PLAN AND DECLARATION

In terms of Clause 4(4) of the OHSA 1993 Construction Regulations 2003 (referred to as "the Regulations" hereafter), a Contractor may only be appointed to perform construction work if the Employer is satisfied that the Contractor has the necessary competencies and resources to carry out the work safely in accordance with the Occupational Health and Safety Act No 85 of 1993 and the OHSA 1993 Construction Regulations 2003.

To that effect a person duly authorized by the Tenderer must complete and sign the declaration hereafter in detail.

Declaration by Tenderer

1. I the undersigned hereby declare and confirm that I am fully conversant with the Occupational Health and Safety Act No 85 of 1993 (as amended by the Occupational Health and Safety Amendment Act No 181 of 1993), and the OHSA 1993 Construction Regulations 2003.
2. I hereby declare that my company has the competence and the necessary resources to safely carry out the construction work under this contract in compliance with the Construction Regulations and the Employer's Health and Safety Specifications.
3. I hereby undertake, if my tender is accepted, to provide, before commencement of the works under the contract, a suitable and sufficiently documented Health and Safety Plan in accordance with Regulation 5(1) of the Construction Regulations, which plan shall be subject to approval by the Employer.
4. I confirm that copies of my company's approved Health and Safety Plan, the Employer's Safety Specifications as well as the OHSA 1993 Construction Regulations 2003 will be provided on site and will at all times be available for inspection by the Contractor's personnel, the Employer's personnel, the Engineer, visitors, and officials and inspectors of the Department of Labour.
5. I hereby confirm that adequate provision has been made in my tendered rates and prices in the Bill of Quantities to cover the cost of all resources, actions, training and all health and safety measures envisaged in the OHSA 1993 Construction Regulations 2003, including the cost for specific items that may be scheduled in the Bill of Quantities.
6. I hereby confirm that I will be liable for any penalties that may be applied by the Employer in terms of the said Regulations for failure on my part to comply with the provisions of the Act and the Regulations as set out in Regulation 30 of the Regulations.
7. I agree that my failure to complete and execute this declaration to the satisfaction of the Employer will mean that I am unable to comply with the requirements of the OHSA 1993 Construction Regulations 2003, and accept that my tender will be prejudiced and may be rejected at the discretion of the Employer.
8. I am aware of the fact that, should I be awarded the contract, I must submit the notification required in terms of Regulation 3 of the OHSA 1993 Construction Regulations 2003 before I will be allowed to proceed with any work under the contract.

SIGNATURE :

CONTRACTOR'S SAFETY PLAN

The Tenderer shall attach to this page (or submit it separately) the Contractor's Health and Safety Plan as required in terms of Regulation 5 of the Occupational Health and Safety Act 1993 Construction Regulations 2014, including COVID 19 OHS regulations 2020, and referred to in Form K.

The Contractor's Health and Safety Plan shall cover at least the following aspects as applicable:

1. Safety of subcontractors (Refer Construction Regulations 2003 Clause 5: Principal Contractors and Contractors)
 - Methods to ensure the approval, implementation and maintenance of all health and safety aspects regarding his subcontractors.
2. Monitoring the health and safety on the construction site on a regular basis (Refer Clause 6: Supervision of Construction Work)
 - Details of the Construction Supervisor and his appointed assistants (if any);
 - Details of the Construction Safety Officer, full-time or part-time;
 - Details of the suitability and competency of the Construction Supervisor and Construction Safety Officer regarding health and safety aspects of the construction works.
3. Assessment of risks on the construction site (Refer Clause 7: Risk Assessment)
 - Details of a proper risk assessment on which his health and safety plan is based;
 - Ways in which all construction employees are informed, instructed and trained regarding the work procedures and the related hazards.
4. Risk items (Refer Clauses 8 to 28: Risk items to be addressed)
 - Details of the design, management, responsibilities, worker training, work methods, procedures, maintenance and any other requirements necessary for him and his subcontractor, if applicable, to work safely and in a healthy environment as stipulated in these clauses.

Contractor's OHS Management System checklist

1. OHS Policy and Management

		Yes	No
1.1	Is there a written company health and safety policy?		
1.2	Does the company have an OHS Management System?		
1.3	Is there a company OHS Management Manual or Plan?		
1.4	Are health and safety responsibilities clearly identified for all levels of staff?		

2. Safe Work Practices and Procedures

		Yes	No
2.1	Has the company prepared safe operating procedures or specific safety instructions relevant to its operations?		
2.2	Does the company have any permit to work systems?		
2.3	Is there a documented incident investigation procedure?		
2.4	Are there procedures for maintaining, inspecting and assessing the hazards of plant operated/owned by the company?		
2.5	Are there procedures for storing and handling hazardous substances?		
2.6	Are there procedures for identifying, assessing and controlling risks associated with manual handling?		

3. OHS Training

		Yes	No
3.1	Is health and safety training conducted in the company?		
3.2	Is a record maintained of all training and induction programs undertaken for employees in the company?		

4. Health and Safety Workplace Inspection.

		Yes	No
4.1	Are regular health and safety inspections at worksites undertaken?		
4.2	Are standard workplace inspection checklists used to conduct health and safety inspections?		
4.3	Is there a procedure by which employees can report hazards at workplaces?		

5. Health and Safety Consultation.

		Yes	No
5.1	Is there a workplace health and safety committee?		
5.2	Are employees involved in decision making over OHS matters?		
5.3	Are there employee elected health and safety representatives?		

6. OHS Performance Monitoring.

		Yes	No
6.1	Is there a system for recording and analyzing health and safety performance statistics?		
6.2	Are employees regularly provided with information on company		

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	health and safety performance?			
6.3	Has the company ever been convicted of an occupational health and safety offence?			

7. Does your company's health and safety plan contain the following elements?

		Yes	No
7.1	Description of the contract		
7.2	OHS Structure of work undertaken under this contract		
7.3	Induction and safety training		
7.4	Safe work practices and procedures for specific work undertaken		
7.5	Risk assessments for specific works undertaken		
7.6	Workplace inspection schedule for duration of contract		
7.7	OHS consultative processes to be followed		
7.8	Emergency procedure for this specific contract		
7.9	Incident recording and investigation on procedures		
7.10	Health and safety performance monitoring arrangements to be implemented during contract		

SCHEDULE J : CONTRACTOR'S CERTIFICATE OF REGISTRATION WITH CIDB

[The Tenderer shall attach hereto the Contractor's Certificate of Registration with CIDB. Failure to submit the certificate with the tender document will lead to the conclusion that the Tenderer is not registered with the CIDB and therefore not eligible to tender].

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SCHEDULE K: PART A INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF DEPARTMENT/ PUBLIC ENTITY)					
BID NUMBER:		CSR&T/BID03/2024/25		CLOSING DATE: 24 MAY 2024	
				CLOSING TIME: 11:00	
DESCRIPTION		THE SPECIAL MAINTENANCE OF PRIMARY ROAD P23/1 BETWEEN KROONSTAD AND STEYNSRUS OF 46KM FOR A PERIOD OF 14 MONTHS			
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
45 PERM BUILDING					
CHARLOTTE MAXEKE STREET					
BLOEMFONTEIN					
9301					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
CONTACT PERSON		Ms. M Hlatywayo & Mr. K Koenane		CONTACT PERSON	
				Mrs EM Phalatse/Mr Tshabalala	
TELEPHONE NUMBER		079 694 0590 & 068 510 8703		TELEPHONE NUMBER	
				082 059 9763 & 063 591 3030	
CELL NUMBER				FACSIMILE NUMBER	
E-MAIL ADDRESS		HlatywayoM@freetrans.gov.za KoenaneK@freetrans.gov.za		E-MAIL ADDRESS	
				PhalatseE@freetrans.gov.za	
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 No:
					MAAA
1. ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES OFFERED?		☐ Yes ☐ No [IF YES ENCLOSE PROOF]		2. ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES OFFERED?	
				☐ Yes ☐ No [IF YES, ANSWER THE 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	

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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 2.3
BELOW.

SCHEDULE L: PART B TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:

- 2.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
- 2.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED (NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.
- 2.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
- 2.4. THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).

2. TAX COMPLIANCE REQUIREMENTS

- 2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
- 2.2 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.
- 2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.
- 2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
- 2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED; EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
- 2.6 WHERE NO TCS PIN IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
- 2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE."

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:

SCHEDULE M: SBD 3.1 PRICING SCHEDULE – FIRM PRICE (PURCHASES)

NOTE: ONLY FIRM PRICES WILL BE ACCEPTED. NON-FIRM PRICES (INCLUDING PRICES SUBJECT TO RATES OF EXCHANGE VARIATIONS) WILL NOT BE CONSIDERED

IN CASES WHERE DIFFERENT DELIVERY POINTS INFLUENCE THE PRICING, A SEPARATE PRICING SCHEDULE MUST BE SUBMITTED FOR EACH DELIVERY POINT

Name of bidder.....	Bid number: CSR&T/BID03/2024/25
Closing Time: 11:00	Closing date: 24-MAY-24

OFFER TO BE VALID FOR 90 DAYS FROM THE CLOSING DATE OF BID.

ITEM NO.	QUANTITY	DESCRIPTION	BID PRICE IN RSA CURRENCY ** (ALL APPLICABLE TAXES INCLUDED)
----------	----------	-------------	---

- | | | |
|---|--|---------|
| - | Required by: | |
| - | At: | |
| - | Brand and model | |
| - | Country of origin | |
| - | Does the offer comply with the specification(s)? | *YES/NO |
| - | If not to specification, indicate deviation(s) | |
| - | Period required for delivery | |
| - | Delivery basis | |

Note: All delivery costs must be included in the bid price, for delivery at the prescribed destination.

** "all applicable taxes" includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies.

*Delete if not applicable

SCHEDULE N: ANNEXURE B - SBD 4 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

- 2.4 If so, furnish particulars:

.....
.....

2 DECLARATION

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.

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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, 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

.....
Position

.....
Name of bidder

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.

**SCHEDULE O: SBD 6.1- PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL
PROCUREMENT REGULATIONS 2022**

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.

NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to invitations to tender:

- (a) The 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2 **To be completed by the organ of state** (*delete whichever is not applicable for this tender*).

- (a) The applicable preference point system for this tender is the 90/10 preference point system.

1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:

- (a) Price; and
(b) Specific Goals.

1.4 **To be completed by the organ of state:**

The maximum points for this tender are allocated as follows:

	POINTS
PRICE	90
SPECIFIC GOALS	10
Total points for Price and Specific Goals	100

1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.

1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

2. DEFINITIONS

- (a) **“tender”** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering
-

process or any other method envisaged in legislation;

- (b) **“price”** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- (c) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) **“tender for income-generating contracts”** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- (e) **“the Act”** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

$$\begin{array}{ccc}
 \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\
 \\
 Ps = 80 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right) & \text{or} & Ps = 90 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right)
 \end{array}$$

Where

- Ps = Points scored for price of tender under consideration
- Pt = Price of tender under consideration
- Pmin = Price of lowest acceptable tender

3.2. FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT

3.2.1. POINTS AWARDED FOR PRICE

A maximum of 80 or 90 points is allocated for price on the following basis:

$$\begin{array}{ccc}
 \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\
 \\
 Ps = 80 \left(1 + \frac{Pt - P_{max}}{P_{max}} \right) & \text{or} & Ps = 90 \left(1 + \frac{Pt - P_{max}}{P_{max}} \right)
 \end{array}$$

Where

- Ps = Points scored for price of tender under consideration
- Pt = Price of tender under consideration
- Pmax = Price of highest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

- 4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:
- 4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—
- (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
 - (b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system, then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

POINTS ALLOCATED FOR SPECIFIC GOALS

*Table 1: Specific goals for the tender and points claimed are indicated per the table below.
(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.
Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)*

The specific goals allocated points in terms of this tender	Number of points allocated (90/10 system) (To be completed by the organ of state)	Proof of documents to be attached	Number of points claimed (90/10 system) (To be completed by the tenderer)
Enterprise with ownership of 51% or more by person/s who are black person/s.	2	CIPC and Certified ID copies by SAPS within 3 months	
Enterprise with ownership of 51% or more by person/s who are women.	5	CIPC and Certified ID copies by SAPS within 3 months	
Enterprise with ownership of 51% or more by person/s who are youth.	2	CIPC and Certified ID copies by SAPS within 3 months	
Enterprise with ownership of 51% or more by person/s with disability.	1	CIPC, Certified ID copies and medical certificate by SAPS within 3 months	
Total	10		

DECLARATION WITH REGARD TO COMPANY/FIRM

4.3. Name of company/firm.....

4.4. Company registration number:

4.5. TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
- ☐ One-person business/sole propriety
- ☐ Close corporation
- ☐ Public Company
- ☐ Personal Liability Company
- ☐ (Pty) Limited
- ☐ Non-Profit Company
- ☐ State Owned Company

[TICK APPLICABLE BOX]

- 4.6. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/firm for the preference(s) shown and I 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 paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
 - iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
 - (a) disqualify the person from the tendering 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) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted 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
 - (e) forward the matter for criminal prosecution, if deemed necessary.

.....
SIGNATURE(S) OF TENDERER(S)

SURNAME AND NAME:

DATE:

ADDRESS:

.....

.....

.....

**T2.2.2 RETURNABLE DOCUMENTS: ATTACH ALL COMPLIANCE REQUIRED DOCUMENTS
(TO BE EVALUATED ON STAGE 1 TO 3)**

CSR&T/BID03/2024/25

**SPECIAL MAINTENANCE OF PRIMARY ROAD P23/1 BETWEEN KROONSTAD AND STEYNSRUS FOR
A PERIOD OF 14 MONTHS FROM CHAINAGE 0 TO CHAINAGE 46 FOR THE DEPARTMENT OF
COMMUNITY SAFETY, ROADS AND TRANSPORT**

THE CONTRACT

PART C1 : AGREEMENTS AND CONTRACT DATA

PART C2 : PRICING DATA

PART C1 : AGREEMENTS AND CONTRACT DATA

CONTENTS

<u>SECTION</u>	<u>DESCRIPTION</u>	<u>PAGE</u>
C1.1	FORM OF OFFER AND ACCEPTANCE	C1-3
C1.2	CONTRACT DATA	C1-7

C1.1 Form of Offer and Acceptance

OFFER

The Employer, identified in the Acceptance signature block, has solicited offers to enter into a contract in respect of the following works:

SPECIAL MAINTENANCE OF PRIMARY ROAD P23/1 BETWEEN KROONSTAD AND STEYNSRUS FOR PERIOD OF 14 MONTHS FROM CHAINAGE 0 TO CHAINAGE 46 FOR THE DEPARTMENT OF COMMUNITY SAFETY, ROADS AND TRANSPORT

The Bidder, identified in the Offer signature block below, has examined the documents listed in the Bid Data and addenda thereto as listed in the Returnable Schedules, and by submitting this Offer has accepted the Conditions of Bid.

By the representative of the Bidder, deemed to be duly authorized, signing this part of this Form of Offer and Acceptance, the Bidder 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 INCLUSIVE OF VALUE ADDED TAX IS:

..... Rand (in words);

R (in figures)

WHICH WILL INCLUDE A MINIMUM SUBCONTRACTING VALUE OF:

..... Rand (in words):

R
(in figures, which will be equivalent to 30% of the contract amount in line with item 33 of the Contract Data)

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 to the Bidder before the end of the period of validity stated in the Bid Data, whereupon the Bidder becomes the party named as the Contractor in the Conditions of Contract identified in the Contract Data.

For the Bidder:	Witness:
..... Signature	 Signature
..... Name and Surname	 Name
..... Capacity	

Name and address of organization

.....

Date:

ACCEPTANCE

By signing this part of this Form of Offer and Acceptance, the Employer identified below accepts the Bidder'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 Bidder's Offer shall form an agreement between the Employer and the Bidder 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 Agreement)
- Part C2: Pricing Data
- Part C3: Scope of Work.
- Part C4: Site Information

and drawings and documents or parts thereof, which may be incorporated by reference into Parts C1 to C4 above.

Deviations from and amendments to the documents listed in the Bid Data and any addenda thereto as listed in the Bid Schedules as well as any changes to the terms of the Offer agreed by the Bidder and the Employer during this process of offer and acceptance, are contained in the Schedule of Deviations attached to and forming part of this Agreement. No amendments to or deviations from said documents are valid unless contained in this Schedule, which must be duly signed by the authorized representative(s) of both parties.

The Bidder shall within two weeks after 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 bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the Conditions of Contract identified in the Contract Data. 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 when the Bidder receives one fully completed original copy of this document, including the Schedule of Deviations (if any). Unless the Bidder (now Contractor) within five 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.

For the Employer:

.....
Signature
.....
Name
.....
Capacity

Name and address of Organization:

.....
.....

Signature and name of witness:
Signature

.....
Name

Date:

Schedule of Deviations

Notes:

1. The extent of deviations from the Bid documents issued by the Employer prior to the Bid closing date is limited to those permitted in terms of the Conditions of Bid,
2. A Bidder's covering letter shall not be included in the final contract document. Should any matter in such, letter, which constitutes a deviation as aforesaid become the subject of agreements reached during the process of, offer and acceptance, the outcome of such agreement shall be recorded here,
3. Any other matter arising from the process of offer and acceptance either as a confirmation, clarification or change to Bid documents and which it is agreed by the Parties becomes and obligation of the contract shall also be recorded here,
4. Any change or addition to the Bid documents arising from the above agreements and recorded here, shall also be incorporated into final draft or the Contract,

1. Subject
Details
2. Subject
Details

By the duly authorized representatives signing this Schedule of Deviations, the Employer and the Bidder agree to and accept the foregoing Schedule of Deviations as the only deviations from and amendments to the documents listed in the Bid Data and addenda thereto as listed in the Bid Schedules, as well as any confirmation, clarification or changes to the terms of the offer agreed by the Bidder 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 Bid documents and the receipt by the Bidder of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this Agreement.

For the Bidder: For the Employer:

.....Signature.....

.....Name.....

.....Capacity.....

Name and address of organization: Name and address of organization:

.....

.....

.....

.....

..... Witness Signature.....

..... Witness Name.....

..... Date.....

Confirmation of Receipt

The Bidder, (now Contractor), identified in the Offer part of this Agreement hereby confirms receipt from the Employer, identified in the Acceptance part of this Agreement, of one fully completed original copy of this Agreement, including Schedule of Deviations (if any) today:

The (Day) of (Month)

20 (Year) at (Place)

For the Contractor:.....
Signature

.....
Name

.....
Capacity

Signature and name of witness:

.....
Signature

.....
Name

C1.2 CONTRACT DATA

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C1.2.2CONTRACT SPECIFIC DATAC1-10

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C1.2.1 CONDITIONS OF CONTRACT

GENERAL CONDITIONS OF CONTRACT

This Contract will be based on the "General Conditions of Contract for Construction Works – 3rd Edition 2015", issued by the South African Institution of Civil Engineering. (Short title: "General Conditions of Contract 2015").

It is agreed that the only variations from the General Conditions of Contract 2015 are those set out hereafter under "Contract Specific Conditions".

CONTRACT SPECIFIC CONDITIONS

1. GENERAL

These Contract Specific Conditions (CSC) form an integral part of the Contract. The Contract Specific Conditions shall amplify, modify or supersede, as the case may be, the General Conditions of Contract 2015 to the extent specified below, and shall take precedence and shall govern.

The clauses of the Special Conditions hereafter are numbered "CSC" followed in each case by the number of the applicable clause or subclause in the General Conditions of Contract 2015, and the applicable heading, or (where a new special condition that has no relation to the existing clauses is introduced) by a number that follows after the last clause number in the General Conditions, and an appropriate heading.

2. AMENDMENTS TO THE GENERAL CONDITIONS OF CONTRACT

CSC 2.2 Specific Approval of the Employer required

"The Engineer or Contractor must obtain special approval or consent from the Employer for the decisions in the following clauses:

Clauses 2.2.3, 3.1.2, 3.2.1, 3.2.4, 4.7, 4.12.1, 4.11.2, 5.7.3, 5.8.1, 5.10.1, 5.11.2, 5.11.3, 5.12.1, 5.13.2, 5.14.1, 5.16.1, 6.3.2, 6.4, 6.5.1, 6.6.1, 6.10.1, 6.10.6, 6.11, 7.8.2.2, 8.2.2.2, 10.1.5."

3.1 Add the following

"after approval by the Employer"

CSC 2.1.2 Compliance with applicable laws

CSC 2.1.2.5 Health and safety

Add the following :

"The Occupational Health and Safety Act No 85 and Amendment Act No 181 of 1993, and the Construction Regulations GNR.929 of 25 June 2017 (Government Gazette No 25207 of 18 July 2003, Notice No R1010) will in all respects be applicable to this contract, including all regulations pertaining to the COVID 19 compliance."

CSC CONTRACT PRICE ADJUSTMENT SCHEDULE

Paragraph 1

Adjust the definitions of "L", "P", "M" and "F" in the 4th to the 7th sub-paragraphs with the following:

Definition of "L":

Insert "(Consumer Price Index)" after "P0141.1" in the third line.

Insert "(Consumer Price Index and Percentage Change according to Urban Area)" after "Table 21" in the third line.

Definition of "P":

Insert "(Production Price Index)" after "P0142.1" in the second line.

Insert "(Production Price Index for Selected Materials, item 'Civil Engineering Plant')" after "Table-16" in the second line.

Definition of "M":

Insert "(Production Price Index)" after "P0142.1" in the second line

Insert "(Production Price Index for Materials used in Certain Industries, item 'Civil Engineering Plant')" after "Table 15" in the second line

Definition of "F":

Insert "(Production Price Index)" after "P0142.1" in the second line

Insert "(Production Price Index for Selected Materials, item Diesel Oil – Coast and Witwatersrand)" after "Table 16" in the second line

[Note: The indices are obtainable in www.statssa.gov.za. The latest indices for L (certain urban areas only), P, M and F, are more readily obtainable in www.safcec.org.za under "CPAF Indices"] upon registration with Safcec

Paragraph 2 : Assessment of amount subject to adjustment

Add the following to the paragraph defining "E" :

"Where the amount is based on current costs de-escalated to the base month, or where daywork is calculated at rates tendered in a daywork schedule, the costs shall not be included in the value of "E".

C1.2.2 CONTRACT SPECIFIC DATA

ITEM No:	REFERENCE TO:	CLAUSE	INFORMATION
1	Contractor	1.1.1.9	
2	Defects Liability Period	1.1.1.13	24 Months from issuing of Certificate of Practical Completion
3	Practical Completion	1.1.1.14	The time for achieving Practical Completion is calculated from commencement date to the time when the entire road is ready for public use without posing risk to users.
4	Employer	1.1.1.15	Free State Provincial Government represented by Head of Department: Department of Community Safety, Roads and Transport
5	Employer's Agent (Engineer)	1.1.1.16	Department of Community Safety, Roads and Transport
6	Address of the Employer	1.2.1.2	<u>Physical:</u> 45 Charlotte Maxeke Street Bloemfontein 9300 <u>Postal:</u> P.O Box 690 Bloemfontein 9300 Telephone No: (051) 409 8575
7	Address of the Contractor	1.2.1.2	Physical Address:..... Postal Address: Telephone Number (Office): Facsimile Number (Office): E-mail Address (Office):

8	Commencement of Work	5.2	Within 45 days after site hand over, contractual obligations, compliance with Construction Regulations 2014 and Environmental Compliance
9	Documentation required before commencement of the Works	5.3.1	Health & Safety Plan (Refer to CR 2014) Revised Programme & Cash flow Projection (Refer to Clause 5.6) Security (Performance and retention guarantee 6.2) Insurance (CAR Construction All Risk to Clause 8.6) Construction Permit (CR 2014) Environmental compliance i.e. (mining permit, water usage etc.)
10	Time to submit the documentation required before commencement of the Works	5.3.2	14 Days for all above documents excluding the Construction permit
11	Completion of the Works	5.6.2.1	14 Months starting from the date of site hand over
12	Special non-working times	5.8	Sundays and all public holidays as well as year-end builder's break.
13	Suspension of Works	5.11	Planned Annual allocated budget available can be reduced at the Employer's discretion. In the event that annual budget is reduced or exhausted, the Contractor shall not be allowed to stop the Works and or claim interest on the unpaid Works. No claim shall be submitted to the Department once the budget is depleted.
14	Penalty for failing to complete the Works on time	5.13.1	R10 000 per calendar day R0 to R50 million project value R15 000 per calendar day R51million to R100 million project value R50 000 per calendar day R101 million to unlimited project value
15	Latent Defects Liability Period	5.16.3	Should there be any structural defects within Fifteen (15) years after final completion, the Contractor will be fully liable for latent defects
16	Security	6.2.1	Performance Guarantee of 10% (normal performance guarantee and Mining permit guarantee) of the value of the Works which will be handed back after certification of completion, to be submitted within 14 days after the site hand over date. Expiry date should state "until the issuing of Completion certificate" Rehabilitation quantum guarantee should be deducted from the performance guarantee upon full computation of the amount by Department of Mineral Resources and Energy (DMRE). Guarantee should be addressed to DMRE.
17	Dayworks	6.5.1.2.3	Refer to A1.2.3.11 of the Specifications(Ordering of day work)

18	Rates and Prices are final and binding	6.8	All rate items on the Bill of Quantity must be priced in Rand value except only where the rate is stipulated as Rate Only item. Items that will be priced not with Rand value will be termed or taken as incomplete tender and will be disqualified. Rather price Zero Rand for any uncounted action
19	Contract Price Adjustment	6.8.2	The following values for the different factors are to be used: X = 0.10 a = 0.10 - Labour b = 0.55 - Equipment c = 0.15 - Material d = 0.20 - Fuel The different values for the calculation of the price adjustment factor shall be for the area of Free State: Other urban areas. The Diesel index shall be for the Witwatersrand Area. The Base month is one month prior to submission of quotations / Bid document.
20	Special Materials	6.8.3	Price adjustments for variations in the costs of special materials are allowed. Special materials shall be limited to bitumen and bituminous products.
21	Materials on Site	6.10.1.5	80% Of materials delivered on site
22	Retention Money	6.10.3	10% Of Contract Amount. Two retention Guarantees of 50% each of the value of the retention money are compulsory as part of documentation to be submitted within 14 days after the commencement date; one will be handed back on completion and the other 24 months after completion. There will be no retention monies deducted on interim certificates.
23	Quality of materials and workmanship	7.2	The source of supply of all materials including all stone, sand, gravel, water or soil or any other natural material required in the execution of the Works shall be located by the Contractor. The quality of the material relies solely to the Contractor. No material shall be used until it has been approved by the Engineer
24	Defects	7.8	In the event of the Contractor not completing all the outstanding work within the period specified by the Employer in terms of the contract, the Employer shall have the right to extend the Period of Maintenance by the additional time taken by the Contractor to complete such outstanding work to the satisfaction of the Employer. The full retention applicable to the Period of Maintenance shall apply to such extension.
25	Insurances	8.6	R0-00
26	Limit of Indemnity	8.6.1.3	R10,000,000-00 per claim, number of claims unlimited
27	Other Insurances	8.6.1.5	R0-00
28	Dispute Resolution	10.5.1	Dispute Adjudication Board (DAB), Mediation,

29	Rules for Adjudication and Members	10.5.3	Only Three members required
30	Dispute Resolution	10.7.1	Adjudication (If there are no agreements, then court proceeding will be preferred)
31	Tender Validity Period		90 days
32	Scope	B.1	The Special Maintenance of Primary Road P23/1 between Kroonstad and Steynsrus for a Period of 14 Months
33	Targeted Subcontractors (ABE's)	B.2	Full computation of the 30% subcontracting amount. Failure of the contractor to commit sub-contracting portion of the work, will lead to rejection of the bid and the following sections of the project will be subcontracted. • Item-C3.1- Trains; • Item-C3.2- Calvets; • Item- C3.3 Concrete capping and channelling; • Item C6.2- Segmental block paving layers; • Item C11.1- C 11.9- Pitching and stone work, finishing; • Item C 11.3- Guide Blocks and kilometer markers.
34	Targeted Local labour	B.3	1. Net Contract amount less 25% for minimum daily rate on R1Million per 4 employees for conventional project should be appointed with a minimum of six months at a payment rate of R225/day, subjected to increase annually to be communicated by the client. Any labour payment rate increment during the project will be covered by the CPA 2. Recruitment of annual labour target shall be as follows: • 30% - at the beginning of the financial year • 30% - three months after the initial appointment • 40% - at midway into the financial year 3. The employment demographics are as follows: • Youth – 55% • Women – 60% • Disabled – 2% Labour target must be achieved as planned, failure to this will lead into penalties
35	Socio – Economic of Community	B.4	1% of (Contract Value) excluding special services e.g. testing, environmental and OHS and Engineering facilities shall be invested into local Community as social responsibility or contribution
36	Skills Development	B.5	1. Two (2) Civil Engineering Students shall be appointed for experiential Training with stipend of R10 000.00 each per month, signed off reports must be submitted to respective Departmental Project Managers. 2. Members of Community must also be trained in Labour Intensive Works

37	Approved Professionals, officials or agents	B.6	All the approved and submitted CV for professionals during tendering/ bidding stage must be available on site during the project implementation. Failure to bring at least 80% of all professionals that were presented via CV's during the bidding process will lead to termination of the Contract. Should it be found that people / professionals' CV used were only for tendering purpose the appointment will be terminated. During the signing of the Contract document all CV's for professionals submitted and the valid Employment Contract must be re-submitted as a Special Condition of this Contract. Failure to adhere to this will result in appointment termination. Any replacement of professional, should be replaced by an employee with equivalent experience and qualifications, subject to approval by the client.
38	Skills Developments	B.7	0.2% Of the contract amount to the maximum of R2,000,000.00 to be allocated and pay out to CIDB for external entity identified by the CIDB
39		B.8	
40		B.9	

.....
SIGNATURE

C1.2.3 DATA PROVIDED BY THE TENDERER

Clause 6.8.3 of the GCC:

Variation in Cost of Special Materials	Unit on which variation will be determined *	Rate or price for the base Month (excluding VAT) **

Notes:

* Indicate whether the material will be delivered in bulk or in containers.

** The price for special materials is only the price for the material and does not include the cost of transport, labour or any other costs. When called upon to do so, the Tenderer shall substantiate the above prices with acceptable documentary evidence.

.....

SIGNATURE

PARTC2 PRICING DATA

**DEPARTMENT OF COMMUNITY
SAFETY, ROADS AND TRANSPORT**

**THE SPECIAL MAINTENANCE OF PRIMARY ROAD P23/1 BETWEEN
KROONSTAD AND STEYNSRUS FOR A PERIOD OF 14 MONTHS
C2-PRICING DATA**

C2.1 PRICING INSTRUCTIONS

This Bill of quantities forms part of the contract documents and must be read in conjunction with all the other documents comprising the contract documents. For the purposes of this bill of quantities, the following words shall have the meanings here by assigned to them.

Unit	:	The unit of measurement for each item of work as defined in the standard specifications or the project specifications.
Quantity	:	The number of units of work for each item.
Rate	:	The payment per unit of work for which the tenderer tenders to do the work.
Amount	:	The product of the quantity and the rate tendered for an item.
Lump Sum:		An amount tendered for an item, the extent of which is described in the schedule of quantities, the specifications or elsewhere, but of which the quantity of work is not measured in units.

Bill of Quantities

- 1 Measurement and payments shall be in accordance with the relevant provisions of the COTO Standard Specifications for Road and Bridge Works for South African Road Authorities (2020 Edition), subject to the following amendments and additions:
- 2 The units of measurement described in the Bill of Quantities are metric units. Abbreviations used in the Bill of Quantities are as follows:

mm	=	millimetre
m	=	metre
Km	=	kilometre
m ²	=	Square metre
m ² .pass	=	Square metre-pass
Ha	=	hectare
m ³	=	Cubic metre
m ³ .km	=	Cubic metre-kilometre
L	=	Litre
Kl	=	Kilolitre
MPa	=	megapascal
H	=	Hour
Kg	=	kilogram
T	=	ton(1000kg)
No.	=	number
Sum	=	lumpsum
MN	=	meganewton
MN.m	=	meganewton-metre
PC. sum	=	Prime Cost sum
Prov. sum	=	Provisional sum

%	=	Percent
kW	=	Kilowatt
man-month	=	Man per Month
man-shift	=	Man per Shift
Person.Month	=	Person per Month

- 3 For the purposes of the Bill of Quantities, the following words shall have the meanings hereby assigned to them:
 - Unit: The unit of measurement for each item of work as defined in the COTO Standard Specifications for Road and Bridge Works for South African Road Authorities (2020 Edition), Quantity: The number of units of work for each item.
 - Rate: The agreed payment per unit of measurement.
 - Amount: The product of the quantity and the agreed rate for an item.
 - Lump sum: An agreed amount for an item, the extent of which is described in the Bill of Quantities but the quantity of work of which is not measured in any units.
- 4 Unless otherwise stated, items are measured net in accordance with the drawings, and no allowance is made for waste. Attention is directed to the provisions of clause 1220 of the standard specifications regarding the measurements of quantities for payment. Except where specified otherwise than in clause 1220, the net measurement or mass of the finished work in places shall be taken for payment, and any volume or mass of work in excess of that prescribed, shall be excluded.
- 5 The prices and rates to be inserted in the Bill of Quantities are to be the full inclusive prices for the work described under these several items. Such prices and rates shall cover all costs and expenses that may be required in and for the execution of the work described, and for all the risks, obligations and responsibilities specified in the general conditions of contract, special conditions of contract, standards specifications and project specifications shall be considered as provided for collectively in the items of payment given in the bill of quantities.

Such prices and rates shall also cover full compensation for completing and maintaining, during the defects liability period, all the work shown on the drawings and specified in the standard specifications and project specifications and the cost of all general risks, liabilities, and obligations set forth or implied in the Contract Data, as well as overhead charges and profit. Reasonable prices shall be inserted, as these will be used as a basis for assessment of payment for additional work that may have to be carried out.
- 6 A price or rate is to be entered against each item in the Bill of Quantities, whether the quantities are stated or not. An item against which no price is entered shall not be paid for but will be considered to be covered by other prices or rates elsewhere in the Bill of Quantities.

If the tenderer should group a number of items together and tender one lump sum for each group of items, this single tendered lump sum shall apply to that group of items and not to each individual item, or should he indicate that full compensation for any item has been included in the rate for another item, the rate for the item included in another item shall be deemed to be nil.

The tendered lump sums and rates shall be valid irrespective of any change in the quantities during the execution of the contract.
- 7 Reasonable compensations will be received where no pay item appears in respect of work required in terms of the Contract, which is not covered in any other pay item.
- 8 The short descriptions of the items of payment given in the Bill of Quantities are only for the purposes of identifying the items. More details regarding the extent of the work under each item appear in the scope of work, References shall, inter alia, be made to the drawings, standard specifications, project specifications, general conditions of contract and special conditions of contract for more detailed information regarding the extent of work entailed under each item.
9. The item numbers appearing in the Bill of Quantities refer to the corresponding item numbers in the COTO Standard Specifications for Road and Bridge Works for South African Road Authorities (2020 Edition). Item numbers prefixed by the letter B refer to payment items described under part B of the project specifications, those with C to payment items described under part C, and so on for further parts of the project specifications.

Item numbers in schedule B of the schedule of quantities are, in addition, preceded by the number of each separate part of schedule B of the schedule of quantities, e.g. payment item 62.02 described in the standard specifications (clause 6210), when used in part 3 of schedule B of the schedule of quantities, would be numbered 3/62.02, and if this payment item had been amended in part B of the project specifications, the payment item would be indicated as 3/B62.02.

- 10 The quantities set out in the schedule of quantities are only approximate quantities. The quantities of work finally accepted and certified for payment, and not the quantities given in the schedule of quantities, will be used to determine payments to the Contractor

The validity of the contract shall in no way be affected by differences between the quantities in the schedule of quantities and the quantities finally certified for payment. Work is valued at the rates or lump sums tendered, subject only to the provisions of sub clause 1209 (a) of the standard specifications.

- 11 The amount of work or the quantities of material stated in the schedule of quantities shall not be considered as restricting or extending the amount of work to be done or quantity of material to be supplied by the Contractor

- 12 The statement of quantities of material or the amount of work in the schedule of quantities shall not be regarded as authorization for the Contractor to order material or to execute work. The Contractor shall obtain the Engineer's detailed instructions for all work before ordering any materials or executing work making arrangements in this regard

- 13 The provisions of clause 10.1 of the general conditions of contract shall apply to provisional sums and prime cost sums.

- 14 Subject to the conditions stated in paragraph 15 below, the rates and lump sums filled in by the tenderer in the schedule of quantities shall be final and binding with regard to submitting the tender, and may not be adjusted should there be any mistakes in the extension thereof and in the total sums appearing in the tender. Should there be any discrepancies between the tender sum and the correctly extended and totalled bill of quantities, the tendered sum will be regarded as being correct, and the Employer shall have the right to make adjustments to the tender rates to reconcile the tender sum with the total of the bill of quantities. In such an event the Contractor will be consulted but, failing agreement between the parties, the decision of the Employer shall be final and binding. Adjustment of the tender rates will take place prior to the signing of the contract. In their own interest tenderers must make doubly sure of the correctness of their tendered rates, the extensions and the tender sum.

- 15 A tender may be rejected if the unit rates or lump sums for some of the items in the schedule of quantities are, in the opinion of the Employer, unreasonable or out of proportion, and if the tenderer fails, within a period of seven (7) days of having been notified in writing by the Employer to adjust the unit rates or lump sums for such items, to make such adjustments.

- 16 Those parts of the contract to be constructed using labour-intensive methods have been marked in the bill of quantities with the letters L in a separate column filled in against every item so designated. The works, or parts of the works so designated are to be constructed using labour-intensive methods only. The use of plant to provide such works, other than plants specifically provided for in the scope of work, is a variation to the contract. The items marked with the letters L are not necessarily an exhaustive list of all the activities, which must be done by hand, and this clause does not over-ride any of the requirements in the generic labour-intensive specification in the Scope of Works.

- 17 Payment for items which are designated to be constructed labour-intensively (either in this schedule or in the Scope of Works) will not be made unless they are constructed using labour-intensive methods. Any unauthorized use of plant to carry out work, which was to be done labour-intensively will not be condoned, and any works so constructed will not be certified for payment

C2.2 BILLOFQUANTITIES

C1.2 GENERAL REQUIREMENTS AND PROVISIONS

C1.3 CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

C1.4 FACILITIES FOR THE ENGINEER

C1.5 ACCOMMODATION OF TRAFFIC

C1.6 CLEARING AND GRUBBING

C1.7 LOADING AND HAULING

C3.1 DRAINS

C3.2 CULVERTS

C3.3 CONCRETE KERBING AND CHANNELING, ASPHALT BERMS, CHUTES, DOWNPIPES, AS WELL AS CONCRETE, STONE PITCHED AND GABION LININGS FOR OPEN DRAINS

C4.1 BORROW MATERIALS

C4.3 EXISTING ROAD MATERIALS

C4.4 COMMERCIAL MATERIALS

C4.5 ALTERNATIVE MATERIALS

C5.3 ROAD PAVEMENT LAYERS

C5.4 STABILISATION

C5.5 RECONSTRUCTION OF PAVEMENT LAYERS

C6.2 SEGMENTAL BLOCK PAVING LAYERS

C8.1 PRIME COAT

C8.2COVER SPRAYS, FOG SPRAYS AND REJUVENATION SPRAYS

C8.3TEXTURE TREATMENT

C8.8PATCHING AND EDGE BREAK REPAIR

C9.1ASPHALT LAYERS

C10.1GENERAL REQUIREMENTS FOR SURFACE TREATMENTS

C11.1 PITCHING, STONWORK, CAST IN SITU CONCRETE FOR PROTECTION AGAINST EROSION

C11.3GUIDE BLOCKS AND KILOMETRE MARKERS

C11.4ROAD RESTRAINT SYSTEMS

C11.5FENCING

C11.6ROAD SIGNS

C11.7ROAD MARKINGS AND ROAD STUDS

C11.9FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS

D1010TRAINING, COACHING, GUIDANCE, MENTORING AND ASSISTANCE

BILL OF QUANTITIES

GENERAL REQUIREMENTS AND PROVISIONS					
Item	Description	Unit	Quantity	Rate	Amount R
C1.2	GENERAL REQUIREMENTS AND PROVISIONS				
C1.2.1	Environmental Management:				
B - C1.2.1.1	Monitoring of compliance with and reporting on the EMP	Prov sum	01	100000	100000
	(a) Contractor's handling costs, profit and all other charges in respect of item C1.2.1.1	%	100000		
C1.2.3	Routine road maintenance of existing public roads within the Site of the Works or other public roads outside the Site of the Works which are used as detours:				
C1.2.3.9	Grading of temporary gravel deviations and existing roads used as detours	km	08		
C1.2.3.10	Watering of temporary gravel deviations and existing roads used as detours	kt	5 000		
C1.2.3.11	Other road maintenance work ordered by the Engineer	Prov sum	1.0	3200000	3200000
C1.2.3.12	Handling cost, profit and all other charges in respect of item C1.2.3.11	%	3200000		
C1.2.4	Stakeholder liaison	month	14		
C1.2.5	Safety:				
C1.2.5.1	Health and safety plan	Lump sum	01		
C1.2.5.2	Implementation of health and safety plan	month	14		
C1.2.7	Road safety audits:				
C1.2.8	Dayworks:				
C1.2.8.1	Personnel:				
	(a) Unskilled labourer	h	100		
	(b) Semi-skilled labourer	h	50		
	(c) Skilled labourer	h	40		
	(d) Gang leader	h	40		
	(e) Foreman	h	40		
	(f) Skilled Artisan	h	40		
C1.2.8.2	Construction equipment (specify size and / or model number):				
	(a) Motor grader	h	40		
	(b) Vibratory roller	h	40		
	(c) Pneumatic roller	h	40		
Total Carried Forward					
1					

COTO MASTER BoQ

Estimate

GENERAL REQUIREMENTS AND PROVISIONS

Item	Description	Unit			Amount R
Brought Forward					
	(d) Front end loader	h	40		
	(e) Tractor loader backhoe	h	40		
	(f) Excavator	h	40		
	(g) Compressor	h	40		
	(h) Mechanical Broom	h	144		
C1.2.8.3	Vehicles (specify size):				
	(a) Light delivery vehicle	km	330		
	(b) Flatbed truck	km	330		
	(c) Dump truck	km	330		
	(d) Other vehicles	km	330		
C1.2.8.4	Materials:				
B - C1.2.9.4	Site Survey for Engineer's Quality Assurance/Acceptance control	Prov sum	1.0	1300000	1300000
	Handling cost, profit and all other charges in respect of item C1.2.9.4	%	1300000		
B - C1.2.9.5	Laboratory Tests for Engineer's Quality Assurance/Acceptance control	Prov sum	1.0	2000000	2000000
	Handling cost, profit and all other charges in respect of item C1.2.9.5	%	2000000		
B-C 1.2.9.7	Occupational Health & Safety for Engineer's Quality Assurance/Acceptance control	Prov sum	1.0	400000	400000
	Handling cost, profit and all other charges in respect of item C1.2.9.7	%	400000		
B-C 1.2.9.8	Environmental Compliance Agent for Engineer's Quality Assurance/Acceptance control	Prov sum	1.0	400000	400000
	Handling cost, profit and all other charges in respect of item C1.2.9.8	%	400000		
Total Carried Forward To Summary					

Estimate

Item	Description	Unit	Quantity	Rate	Amount R
C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS				
C1.3.1	The Contractor's general obligations:				
C1.3.1.1	Fixed obligations	Lump sum	1.0		
C1.3.1.3	Time-related obligations	month	14		
C1.3.2	Contract sign boards	m²	48		
Total Carried Forward To Summary					

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COTO MASTER BoQ

Estimate

FACILITIES FOR THE ENGINEER

Item	Description	Unit	Quantity	Rate	Amount R
C1.4	FACILITIES FOR THE ENGINEER				
C1.4.1	Site accommodation:				
C1.4.1.1	Offices and conference room	m²	170		
C1.4.1.2	Laboratories	m²	180		
C1.4.1.3	Open concrete working floors and verandas	m²	240		
C1.4.1.4	Roofs over open concrete working floors and verandas	m²	240		
C1.4.1.5	Store rooms inside the laboratory	m²	10		
C1.4.1.6	Car ports	No	06		
C1.4.1.7	Ablution unit (equipped as specified)	No	01		
C1.4.1.8	Change room with a shower	No	1		
C1.4.1.9	Kitchen unit (equipped as cattle, microwave, fridge and stove)	No	01		
C1.4.1.10	Type A prefabricated house	No	1		
C1.4.1.13	Rented housing paid for by the Contractor	Prov sum	1.0	50000	50000
C1.4.1.14	Contractor's handling costs, profit and all other charges in respect of item C1.4.1.13	%	5 0 000		
C1.4.2	Items measured by area:				
C1.4.2.1	Shelving as specified, complete with brackets	m²	10		
C1.4.2.2	Work benches with a concrete slab top	m²	30		
C1.4.2.3	Work-benches with a wooden top	m²	24		
C1.4.2.4	Constant-temperature baths of concrete and / or plastered brick	m²	5		
C1.4.2.5	Concrete footings and pedestals for laboratory equipment	m²	04		
C1.4.2.6	Roller blinds, opaque type	m²	30		
C1.4.2.7	Venetian blinds	m²	10		
C1.4.2.8	Notice boards	m²	02		
C1.4.2.9	White boards	m²	02		
C1.4.3	Items measured by number:				
C1.4.3.1	Office swivel chair	No	10		
C1.4.3.2	Office chair	No	10		
C1.4.3.3	Draughtsman's stool	No	02		
C1.4.3.4	Laboratory high chair	No	08		
Total Carried Forward					

COTO MASTER BoQ

Estimate

FACILITIES FOR THE ENGINEER

Item	Description	Unit	Quantity	Rate	Amount R
Brought Forward					
C1.4.3.5	Office desk with 3 drawers (at least one lockable drawer)	No	04		
C1.4.3.6	Typist desk (L-shaped)	No	01		
C1.4.3.7	Drawing table	No	01		
C1.4.3.8	Conference table	No	01		
C1.4.3.9	Bookcase	No	04		
C1.4.3.10	Filing cabinet	No	04		
C1.4.3.11	General purpose steel cabinet with shelves	No	01		
C1.4.3.12	Wall mounted pivot plan filing system	No	01		
C1.4.3.13	220 / 250 volt power outlet plug point	No	10		
C1.4.3.14	400 / 231 volt 3-phase power outlet plug point	No	01		
C1.4.3.15	Single 1 500 mm, 58 watt fluorescent tube ceiling light	No	10		
C1.4.3.16	Single 1 500 mm, 22 watt LED tube ceiling light	No	02		
C1.4.3.17	11 watt compact fluorescent bulb ceiling light	No	02		
C1.4.3.18	7 watt LED bulb ceiling light	No	02		
C1.4.3.19	Wash-hand basin	No	02		
C1.4.3.20	Laboratory basin	No	01		
C1.4.3.21	Extractor fan	No	01		
C1.4.3.22	Fume cupboard	No	01		
C1.4.3.23	Fire extinguisher 9,0 kg, dry powder type	No	05		
C1.4.3.24	Air-conditioning unit	No	05		
C1.4.3.25	Heater	No	02		
C1.4.3.26	Concrete specimen curing bath	No	02		
C1.4.3.27	Waste paper basket	No	05		
C1.4.3.28	UPS / Voltage stabiliser	No	01		
C1.4.3.29	A3 / A4 colour printer, copier, scanner	No	02		
C1.4.3.30	A4 colour printer, copier, scanner	No	02		
C1.4.3.31	Rain gauge	No	04		
C1.4.3.32	Minimum / maximum atmospheric temperature gauge	No	05		
C1.4.3.33	Digital thermometer	No	02		
C1.4.3.34	Mobile outdoor weather station	No	01		
C1.4.3.35	3,0 m aluminium straight edge complete with two measuring wedges	No	02		
C1.4.3.36	Measuring wheel	No	02		
C1.4.3.37	First aid kit	No	05		
Total Carried Forward					

COTO MASTER BoQ

Estimate

FACILITIES FOR THE ENGINEER

Item	Description	Unit	Quantity	Rate	Amount R
Brought Forward					
C1.4.3.38	Standpipe complete with 30 m of 19 mm dia. heavy duty hose pipe	No	01		
C1.4.4	Prime cost items:				
C1.4.4.1	Cell phones costs, including pro-rata rentals, for calls made in connection with contract administration	PC sum	1.0	12000	12000
C1.4.4.2	Handling costs and profit in respect of item C1.4.4.1	%	12000		
C1.4.4.5	The provision of internet connectivity and WiFi data for Engineer's site staff	PC sum	1.0	12000	12000
C1.4.4.6	Handling costs and profit in respect of item C1.4.4.5	%	12000		
C1.4.4.7	The provision of paper and ink for a combination colour printer / copier / scanner	PC sum	1.0	1500	1500
C1.4.4.8	Handling costs and profit in respect of item C1.4.4.7	%	1500		
C1.4.4.9	The provision of a complete 220 / 250 volt single phase electrical power installation, including all poles, insulators, wiring, switchboards, mains connections, meters, etc.	PC sum	1.0	5000	5000
C1.4.4.10	Handling costs and profit in respect of item C1.4.4.9	%	5000		
C1.4.4.11	The provision of a complete 440 / 231 volt three phase electrical power installation, including all poles, insulators, wiring, switchboards, mains connections, meters, etc.	PC sum	1.0	5000	5000
C1.4.4.12	Handling costs and profit in respect of item C1.4.4.11	%	5000		
C1.4.4.13	Provision of a 440 / 231 volt three phase electricity generator if electricity from a power supply authority is not available on site	PC sum	1.0	8000	8000
C1.4.4.14	Handling costs and profit in respect of item C1.4.4.13	%			
C1.4.4.15	The provision of all gas installations required at the site offices, laboratories and at the Engineer's staff accommodation (if required), including gas storage cylinders, tubing, regulators, gas burners and shut-off cocks	PC sum	1.0	8000	8000
C1.4.4.16	Handling costs and profit in respect of item C1.4.4.15	%	8000		
C1.4.5	Services at site offices, laboratories and site accommodation:				
C1.4.5.1	Fixed costs	Lump sum	1.0		
C1.4.5.2	Running costs	month	14		
C1.4.6	Office staff:				
C1.4.6.1	Secretary / receptionist	month	14		
C1.4.6.2	Technical assistant	month	14		
C1.4.7	Site inspection transport:	km	4224		
Total Carried Forward					

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Estimate

FACILITIES FOR THE ENGINEER

Item	Description	Unit	Quantity	Rate	Amount R
Brought Forward					
C1.4.7.1	Provision of a bus, mini-bus or combi van for site inspection purposes (Mini bus or LDV)	per day	48		
C1.4.7.2	Travel on site	km	4 224		
C1.4.8	Site security measures for the Engineer's facilities:				
C1.4.8.1	Supply and installation of all required security measures at the Engineer's site offices and laboratories	Lump sum	1.0		
C1.4.8.2	Provision of security guards / watchmen and an armed response service at the Engineer's site offices and laboratories	month	14		
C1.4.8.3	Supply and installation of all required security measures at the Engineer's site accommodation	Lump sum	1.0		
C1.4.8.4	Provision of security guards / watchmen and an armed response service at the Engineer's site accommodation	month	14		
Total Carried Forward To Summary					

COTO MASTER BoQ

Estimate

ACCOMMODATION OF TRAFFIC

Item	Description	Unit	Quantity	Rate	Amount R
C1.5	ACCOMMODATION OF TRAFFIC				
C1.5.2	Accommodation of vehicular traffic	month	14		
C1.5.4	Construction of temporary deviations	km	20		
C1.5.5	Maintenance of temporary deviations:				
C1.5.5.1	Grass cutting	ha	01		
C1.5.5.9	Grading of temporary deviations and existing roads used as detours	km	08		
C1.5.5.10	Watering of temporary deviations and existing roads used as detours	kt	7 000		
C1.5.5.11	Other road maintenance work ordered by the Engineer	Prov sum	1.0	100000	100000
C1.5.5.12	Handling cost, profit and all other charges in respect of item C1.5.6.11	%	100000		
C1.5.6	Removal of temporary deviations	km	30		
C1.5.7	Temporary traffic control facilities:				
C1.5.7.1	Delineators including mounting bases and ballast:				
	(a) Single sided, reversible left or right (800 x 200)	No	480		
	(b) Double sided, reversible left or right (800 x 200)	No	480		
C1.5.7.2	Traffic cones, minimum height 750 mm	No	50		
C1.5.7.3	Flagmen	man-shift	1 584		
C1.5.7.4	Traffic controllers	man-shift	792		
C1.5.7.5	Provision of illuminated traffic signs:				
	(a) Sign mounted flashing amber lights (2 lights with the specified power supply) mounted on a backing board which is:	No	04		
	(i) 900 mm wide x 150 mm high	No	04		
	(ii) 1 200 mm wide x 200 mm high	No	04		
C1.5.7.6	Maintenance of illuminated traffic signs:				
	(a) Sign mounted flashing amber lights (a pair of two lights mounted on a separate backing board)	month	14		
	(b) Flashing LED illuminated arrow board	month	14		
Total Carried Forward					

ACCOMMODATION OF TRAFFIC					
Item	Description	Unit	Quantity	Rate	Amount R
Brought Forward					
	(c) Illuminated road sign – R & TR series (1200 diameter)	month	14		
	(d) Illuminated road sign – TW series (1200 length of sides)	month	14		
	(e) Mobile variable message sign	month	14		
C1.5.7.7	Traffic calming devices:				
	(a) 25 mm high x 100 mm wide asphalt rumble strips	m			
	(b) 50 mm high x 500 m wide asphalt rumble strips	m			
	(c) 150 mm high x 3 m wide asphalt speed control humps	m			
C1.5.7.8	Traffic control stations	month	14		
C1.5.7.9	Cleaning of traffic control facilities	month	14		
C1.5.8	Traffic safety officer	man-month	14		
C1.5.9	Traffic safety vehicle	month	14		
C1.5.10	Tow trucks:				
C1.5.11.1	Provision of reflective safety vests for visitors	No	30		
C1.5.11.2	Provision of hard hats for visitors	No	10		
C1.5.12	Additional traffic accommodation facilities ordered by the Engineer:				
C1.5.12.1	Provision of additional traffic accommodation facilities	Prov sum	1.0	25000	25000
C1.5.12.2	Handling cost, profit and all other charges in respect of item C1.5.12.1	%	25000		
Total Carried Forward To Summary					

LOADING AND HAULING

Item	Description	Unit	Quantity	Rate	Amount R
C1.7	LOADING AND HAULING				
C1.7.1	Loading:				
C1.7.1.1	Loading from stockpile using machines and some hand labour where necessary	m³	2 8 000		
C1.7.2	Hauling:				
C1.7.2.1	Hauling material for use in the Works and off-loading it on the site of the Works:				
	(a) Soil, gravel, crushed stone and pavement layer material	m³-km	22 4 000		
C1.7.2.2	Hauling material to spoil and off-loading it at a designated spoil area:				
	(a) Cleared and grubbed material (organic matter and all other unsuitable or waste material)	m³-km	1 4 933		
	(b) Soil and gravel material	m³-km	1 4 933		
	(c) Boulders and hard material	m³-km	7 000		
Total Carried Forward To Summary					

C3.1			DRAINS				
ITEM			DESCRIPTION	UNIT	QTY	RATE	AMT
C3.1.1			Excavation for open drains:				
	C3.1.1.1		Excavating all material situated within the following depth ranges below the surface level using conventional methods:				
		(a)	0m to 1,5m	(m3)	2000		
		(b)	Exceeding 1,5m and up to 3,0m	(m3)	50		
		(c)	Etc. in increments of 1,5m	(m3)	10		
	C3.1.1.2		Extra over sub-item C3.1.1.1 for excavation in hard and boulder material, irrespective of depth	(m3)	50		
	C3.1.1.3		Extra over sub-item C3.1.1.1 for excavation in stabilised existing road layers, irrespective of depth	(m3)	100		
	C3.1.1.4		Excavating soft material situated 0m to 1,5m below the surface level using labour enhanced construction methods	(m3)	150		
	C3.1.1.5		Excavating intermediate material situated 0m to 1,5m below the surface level using labour enhanced construction methods	(m3)	500		
C3.1.2			Clearing, shaping and disposal of accumulated sediment in existing unlined open drains				
	C3.1.2.1		Using conventional methods	(m3)			
	C3.1.2.2		Using labour enhanced construction methods	(m3)	100		
C3.1.3			Excavation, clearing and disposal of accumulated sediment in existing lined drains and drainage systems				
	C3.1.3.1		Using conventional methods (up to 1,5m):				
		(a)	Manholes and inlet and outlet structures	(m3)	300		
		(b)	Culvert barrels	(m3)	500		
		(c)	Concrete or other lined side drains	(m3)	100		
	C3.1.3.2		Using conventional methods (in excess of 1,5m):				
		(a)	Manholes and inlet and outlet structures	(m3)	50		
		(b)	Culvert barrels	(m3)	20		
		(c)	Concrete or other lined side drains	(m3)	20		
	C3.1.3.3		Using labour enhanced construction methods:				
		(a)	Manholes and inlet and outlet structures	(m3)	500		
		(b)	Culvert barrels	(m3)	500		
		(c)	Concrete or other lined side drains	(m3)	100		
C3.1.4			Excavation and disposal of material for subsoil drainage systems:				
	C3.1.4.1		Excavating in all material situated within the following depth ranges below the surface:				
		(a)	0m to 1,5m	(m3)	100		
		(b)	Exceeding 1,5m and up to 3,0m	(m3)	35		
		(c)	Etc. in increments of 1,5m	(m3)			
	C3.1.4.2		Excavating soft material situated within 0m to 1,5m below the surface level using labour enhanced construction methods	(m3)	100		
	C3.1.4.3		Excavating intermediate material situated within 0m to 1,5m below the surface level using labour enhanced construction methods	(m3)	35		
	C3.1.4.4		Extra over sub-item C3.1.4.1 for excavation in hard and boulder material, irrespective of depth	(m3)	20		
	C3.1.4.5		Extra over sub-item C3.1.4.1 for excavation through stabilised existing road layers	(m3)	10		
C3.1.5			Impermeable backfilling to subsoil drainage systems				
	C3.1.5.1		Un-stabilised natural gravel obtained from approved sources on the site	(m3)	50		
	C3.1.5.2		GS material obtained from commercial sources	(m3)	20		
TOTAL CARRIED FORWARD TO SUMMARY							

ITEM		DESCRIPTION	UNIT	QTY	RATE	AMT
Brought Forward						
	C3.1.5.3	Extra over items C3.1.5.1 and C3.1.5.2 for stabilisation with 4,0% CEM II (32.5) cement	(m3)	15		
C3.1.6		Construction of banks and dykes:				
	C3.1.6.1	Banks and dykes using conventional methods	(m3)	122		
	C3.1.6.2	Banks and dykes using labour enhanced construction methods	(m3)	100		
C3.1.7		Natural permeable material in subsoil drainage systems (approved crushed stone):				
	C3.1.7.1	Crushed stone obtained from approved sources on the site (state grade and size)	(m3)	10		
	C3.1.7.2	Crushed stone obtained from commercial sources (state grade)	(m3)	50		
C3.1.8		Natural permeable material in subsoil drainage systems (approved natural sand):				
	C3.1.8.1	Natural sand obtained from approved sources (state grade & source)	(m3)	10		
	C3.1.8.2	Natural sand from commercial sources (state grade)	(m3)	50		
C3.1.9		Pipes in subsoil drainage systems:				
	C3.1.9.1	U-PVC pipes and fittings, normal duty, complete with couplings (state size and w	(m)	200		
C3.1.10		Polymer film sheeting or similar approved material, for lining subsoil drainage systems:				
	C3.1.10.1	0,15mm thick	(m2)	600		
	C3.1.10.2	0,25mm thick	(m2)	300		
C3.1.11		Geotextiles (indicate type, grade, etc.)	(m2)	200		
C3.1.13		Concrete outlet structures, manhole boxes, junction boxes and cleaning eyes for subsoil drainage systems:				
	C3.1.13.1	Outlet structures (specify each type and drawing reference)	(No.)	4		
	C3.1.13.2	Inspection boxes (specify each type and drawing reference)	(No.)	5		
	C3.1.13.3	Junction boxes (specify each type and drawing reference)	(No.)	4		
	C3.1.13.4	Cleaning eyes (specify each type and drawing reference)	(No.)	15		
C3.1.14		Caps for subsoil drain pipes:				
	C3.1.14.1	Concrete caps	(No.)	6		
	C3.1.14.2	Cast metal iron caps	(No.)	2		
C3.1.16		Loading and hauling of material in excess of 1,0 km	(m3 - km)	4000		
C3.1.17		Backfilling existing eroded side drains	(m3)	100		
C3.1.18		Backfilling of drains with selected material compacted to 93% of MDD prior to construction of concrete lining and/or stone pitched lining	(m3)	20		
C3.1.19		Exposing of existing subsoil drains	(m3)	120		
TOTAL CARRIED FORWARD TO SUMMARY						

C3.2			CULVERTS				
ITEM			DESCRIPTION	UNIT	QTY	RATE	AMT
C3.2.1			Excavation for culvert structures:				
	C3.2.1.1		Excavating in all material situated within the following depth ranges below the surface level:				
		(a)	0m to 1,5m	(m3)	500		
		(b)	Exceeding 1,5m and up to 3,0m	(m3)	100		
		(c)	Etc. in increments of 1,5m	(m3)	5		
	C3.2.1.4		Extra over sub-item C3.2.1.1 for excavation in hard or boulder material, irrespective of depth	(m3)	50		
	C3.2.1.5		Extra over sub-item C3.2.1.1 for excavation in stabilised existing road layers, irrespective of depth	(m3)	50		
C3.2.2			Backfilling				
	C3.2.2.1		Using the excavated material	(m3)	250		
		(a)	From commercial sources (State type)	(m3)	100		
	C3.2.2.3		Extra over sub-items C3.2.2.1 and C3.2.2.2 for soil cement backfilling				
		(a)	With wet mixture (specify cement content) of 3% cement	(m3)	20		
		(b)	With dry mixture (specify cement content) of 3% cement	(m3)	20		
C3.2.3			Concrete pipe culverts:				
	C3.2.3.1		On Class A bedding (450mm)	(m)	100		
	C3.2.3.2		On Class B bedding (600mm)	(m)	100		
C3.2.7			Cast in situ concrete and formwork:				
	C3.2.7.1		In Class A bedding, screeds, concrete backfill and the encasing for pipes, including formwork (class of concrete indicated)	(m3)	25		
	C3.2.7.2		In complete in situ floor slabs for rectangular culverts, manholes and catchpits including formwork, joints and Class U2 surface finish (class of concrete indicated) (installed at a standard depth of 1,0m)	(m3)	25		
	C3.2.7.3		In walls, excluding formwork but including Class U2 surface finish (class of concrete indicated)	(m3)	350		
	C3.2.7.5		In inlet and outlet structures including kerbs, chutes and downpipes, skewed ends, catchpits, manholes, thrust and anchor blocks, excluding formwork but including Class U2 surfacing finish (class of concrete indicated)	(m3)	90		
	C3.2.7.6		Formwork of concrete under items C3.2.7.3 to 5 above (Class of finish indicated)	(m3)	350		
C3.2.10			Reinforcement:				
	C3.2.10.1		Mild steel bars	(t)			
	C3.2.10.2		High-tensile steel bars	(t)	4		
	C3.2.10.3		Welded steel fabric	(kg)	2645		
	C3.2.10.4		Other material (specify)	(kg)			
C3.2.12			Demolition of concrete members or elements:				
	C3.2.12.1		Full member or element (location and description)	(m3)	50		
	C3.2.12.2		Partial member or element (location and description)	(m3)	50		
C3.2.13			Removing and re-laying existing culverts:				
	C3.2.13.1		Removing and stacking existing culverts for re-use (size and type indicated)	(m)	17		
C3.2.16			Brickwork (Engineering bricks):				
	C3.2.16.2		230mm thick	(m2)	600		
	C3.2.16.4		... (specify thickness)	(m2)			
C3.2.17			Plaster	(m2)	600		
C3.2.18			Benching	(m3)			
C3.2.24			Compaction of bedding for inlets, outlets, manholes and catchpits:				
	C3.2.24.1		Preparation and compaction of in situ bedding material to 90% of MDD (depth indicated)	(m3)	100		
	C3.2.24.2		Extra-over sub-item C3.2.24.1 for compaction to 93% of MDD (depth indicated)	(m3)	50		
C3.2.26			Repair with cementitious mortar or concrete (class) to (description)	(ℓ)	30		
C3.2.27			Repair with epoxy mortar	(ℓ)	60		
TOTAL CARRIED FORWARD TO SUMMARY							

C3.3		CONCRETE KERBING AND CHANNELING, ASPHALT BERMS, CHUTES, DOWNPIPES, AS WELL AS CONCRETE, STONE PITCHED AND GABION LININGS FOR OPEN DRAINS				
ITEM		DESCRIPTION	UNIT	QTY	RATE	AMT
C3.3.2		Concrete kerbing-channeling combination:				
	C3.3.2.1	Prefabricated kerbing-channeling (description of type of channel and bedding with reference to drawing)				
	(a)	(state type (Fig 6) of kerb and bedding with reference to drawing)	(m)	50		
C3.3.8		Linings for open drains:				
	C3.3.8.1	Cast in situ concrete lining (30MPa)	(m3)	750		
	C3.3.8.2	Class U2 surface finish to cast in situ concrete (V drain indicated)	(m2)	2000		
C3.3.9		Formwork to cast in situ concrete lining for open drains (Class F2 surface finish):				
	C3.3.9.1	To sides with formwork on the internal face only	(m2)	400		
	C3.3.9.2	To sides with formwork on both internal and external faces (each face measured)	(m2)	800		
	C3.3.9.3	To ends of slabs	(m2)	150		
C3.3.10		Sealed joints in concrete and stone pitched linings of open drains (description of each type with reference to drawing)	(m)	500		
C3.3.12		Reinforcement:				
	C3.3.12.3	Welded steel fabric 3,45kg/m2	(kg)	4900		
C3.3.15		Energy dissipaters in outlet structures				
	C3.3.15.1	Precast concrete blocks in outlet structures	(No.)	20		
	C3.3.15.2	Stones set in outlet structures	(m2)	150		
TOTAL CARRIED FORWARD TO SUMMARY						0

C4.1			BORROW MATERIALS				
ITEM			DESCRIPTION	UNIT	QTY	RATE	AMT
C4.1.15			Shaping and finishing the borrow pit and quarry areas, and the stockpile sites				
	C4.1.15.1		Shaping and finishing the borrow pit and quarry areas, and the stockpile sites:				
		(a)	Borrow pits (list all borrow pits separately)	(ha)	6		
		(b)	Quarries (list all quarries separately)	(ha)	4		
		(c)	Stockpile sites	(ha)	2		
TOTAL CARRIED FORWARD TO SUMMARY							0

C4.3				EXISTING ROAD MATERIALS			
ITEM				DESCRIPTION	UNIT	QTY	AMT
C4.3.5				Providing the milling machine on the site			
	C4.3.5.1			Small milling machine with a cutting width of 1,2m or smaller	(No.)	1	
C4.3.6				Milling and removal of existing asphalt layers with an average milling depth (Contractor takes ownership)			
	C4.3.6.1			Not exceeding 50mm	(m3)	40	
C4.3.8				Excavating material by milling			
	C4.3.8.1			Crushed stone material	(m3)	50	
	C4.3.8.2			Cemented material	(m3)	50	
C4.3.9				Excavating material by using conventional road construction equipment			
	C4.3.9.1			Asphalt material	(m3)	20	
	C4.3.9.2			Crushed stone and macadam materials	(m3)	60	
	C4.3.9.3			Cemented material	(m3)	60	
C4.3.10				Excavating material by using labour enhanced methods of construction			
	C4.3.10.1			Asphalt material	(m3)	60	
	C4.3.10.2			Crushed stone and macadam materials	(m3)	50	
C4.3.12				Removing of existing concrete material within the following average depth ranges			
	C4.3.12.1			The break-up method:			
		(a)		Not exceeding 150mm	(m3)	75	
	C4.3.14.2			Removing of existing road edging using labour enhanced methods of construction:			
		(a)		Kerbing and edge beams:			
			(i)	In situ concrete kerbing and edge beams	(m3)	75	
			(ii)	Precast concrete kerbing (specify type or figure)	(m)	20	
C4.3.18				Excavate non-compliant or excess pavement layer material to spoil in sites designated by the Contractor, material consisting of			
	C4.3.18.1			Asphalt material	(m3)	30	
	C4.3.18.2			Crushed stone, macadam, gravel and sand material	(m3)	60	
	C4.3.18.3			Cemented material	(m3)	60	
TOTAL CARRIED FORWARD TO SUMMARY							

COMMERCIAL MATERIALS					
Item	Description	Unit	Quantity	Rate	Amount R
C4.4	COMMERCIAL MATERIALS				
C4.4.2	Commercial materials identified by the Contractor from commercial, private or other non-commercial suppliers:				
C4.4.2.1	Pavement layer material:				
	(a) Type G1 crushed stone base course material	m³	1 1 670		
	(b) Type G3 crushed stone base course material	m³	4 730		
	(c) – (e) Type G5a material	m³	8 000		
	(c) – (f) Type G7 material (bring back borrow material)	m³	9 600		
Total Carried Forward To Summary					

ROAD PAVEMENT LAYERS					
Item	Description	Unit	Quantity	Rate	Amount R
C5.3	ROAD PAVEMENT LAYERS				
C5.3.1	Compiling and implementing M&U plans for the construction of all the pavement layers	No	4		
C5.3.2	Construction of pavement layers:				
C5.3.2.1	Construction of layers using conventional construction methods:				
	(h) Gravel shoulder layer (125mm) compacted to 95 % of MDD	m²	9 500		
	(i) Upper subbase gravel layer (chemically stabilised) (250mm thickness) compacted to 95 % of MDD	m³	4000		
	(aa) G1 crushed stone base layer (150mm) compacted to 88 % of AD (Category B roads)	m³	1 1 670		
C5.3.9	Construction of a trial section:				
C5.3.9.1	Construction of a trial section using conventional methods of construction:				
	(c) Crushed stone base layer (150 layer thickness) trial section	m³	360		
Total Carried Forward To Summary					

					STABILISATION
Item	Description	Unit	Quantity	Rate	Amount R
C5.4	STABILISATION				
C5.4.2	Chemical stabilisation:				
C5.4.2.1	Chemical stabilisation (250mm) of pavement layers (compacted to 95% of modified AASHTO Density)	m³	1 8 000		
C5.4.5	Cementitious stabilisation agents for pavement layers:				
	(a) cement (for pavement layers)	t	1 300		
C5.4.10	Provision and application of water for curing	kl	2 500		
C5.4.11	Curing by covering with the subsequent layer	m³	6 4 000		
C5.4.14	Trial section for a chemically stabilised layer	m³	675		
Total Carried Forward To Summary					

RECONSTRUCTION OF PAVEMENT LAYERS					
Item	Description	Unit	Quantity	Rate	Amount R
C5.5	RECONSTRUCTION OF PAVEMENT LAYERS				
C5.5.1	Compiling and implementing M&U plans for the reconstruction of an existing road pavement	No	4		
C5.5.3	Construction equipment for sampling of in-situ material for mix design procedure	No	10		
C5.5.4	Sampling of in-situ material for mix design procedure	No	10		
C5.5.5	Construction of a trial section using a recycler	m³			
C5.5.6	Construction of a trial section using conventional construction equipment	m³	675		
C5.5.8	Pre-pulverising material in the existing pavement:				
C5.5.8.1	Asphalt wearing course (40mm depth)	m³	11		
C5.5.8.2	Crushed stone base (200mm depth)	m³	500		
C5.5.15	In-situ reconstruction of a pavement layer using a recycler to construct a stabilised subbase layer:				
C5.5.15.1	Chemically stabilised subbase layer compacted to 95 % of MDD:				
	(b) Using cemented material compacted to 250mm thick	m³	1 8 000		
C5.5.16	In-situ reconstruction of a pavement layer using a recycler to construct a stabilised base layer				
	(b) Using cemented material compacted to 200 mm thick (crush stone base)	m³	1 4 200		
C5.5.18	In-situ reconstruction of a pavement layer using conventional construction equipment to construct a stabilised subbase layer:				
C5.5.18.1	Chemically stabilised subbase layer compacted to 97 % of MDD:				
	(d) Using pre-pulverised material (as per item C5.5.8) compacted to 250 mm thick	m³	2 000		
C5.5.20	Material shortfall or make-up material:				0
C5.5.20.2	For subbase layer	m³	2 000		0
Total Carried Forward To Summary					

C6.2		SEGMENTAL BLOCK PAVING LAYERS				
ITEM		DESCRIPTION	UNIT	QTY	RATE	AMT
C6.2.2		Cast in-situ concrete edge and intermediate beams	cubic metre (m3)	100		
TOTAL CARRIED FORWARD TO SUMMARY						

					PRIME COAT
Item	Description	Unit	Quantity	Rate	Amount R
C8.1	PRIME COAT				
C8.1.1	Prime coat:				
C8.1.1.3	Inverted bitumen emulsion	ℓ	13 7 600		
C8.1.2	Aggregate for blinding:				
C8.1.2.1	Natural sand	m³	200		
C8.1.2.2	Crusher sand	m³	200		
C8.1.3	Extra over item C8.1.1 for applying the prime coat accessible only to hand-held or light equipment	ℓ	2 000		
Total Carried Forward To Summary					

COVER SPRAYS, FOG SPRAYS AND REJUVENATION SPRAYS

Item	Description	Unit	Quantity	Rate	Amount R
C8.2	COVER SPRAYS, FOG SPRAYS AND REJUVENATION SPRAYS				
C8.2.1	Cover sprays, fog sprays and rejuvenation sprays:				
C8.2.1.2	60 % Anionic stable grade emulsion:				
	(a) Indicate dilution (diluted 50% emulsion /50% water)	t	13 7 600		
Total Carried Forward To Summary					

TEXTURE TREATMENT					
Item	Description	Unit	Quantity	Rate	Amount R
C8.3	TEXTURE TREATMENT				
C8.3.1	Texture treatment:				
C8.3.1.1	Application of slurry for texture improvement, applied by hand (indicate aggregate grade, type of emulsion, filler type)	m ²	530		
C8.3.1.2	Application of slurry for texture improvement, applied by spreader box (indicate aggregate grade, type of emulsion, filler type)	m ²	200		
Total Carried Forward To Summary					

C8.8			PATCHING AND EDGE BREAK REPAIR				
ITEM			DESCRIPTION	UNIT	QTY	RATE	AMT
C8.8.1			Saw cutting pavement layers for patching				
	C8.8.1.1		Asphalt or bituminous surfacing to an average depth				
		(a)	Not exceeding 50mm	(m)	110		
C8.8.2			Excavation in existing pavements for patching (non-milling)				
	C8.8.2.1		Asphalt layers				
		(a)	Not exceeding 10 m ² including for edge repairs wider than 250mm	(m ³)	182		
		(b)	Exceeding 10 m ² but not exceeding 50 m ² including for edge repairs wider than 250mm	(m ³)	60		
	C8.8.2.2		Cemented layers				
		(a)	Not exceeding 10 m ² including for edge repairs wider than 250mm	(m ³)	50		
		(b)	Exceeding 10 m ² but not exceeding 50 m ² including for edge repairs wider than 250mm	(m ³)	50		
		(c)	Exceeding 50 m ² up to 100 m ² including for edge repairs wider than 250mm	(m ³)	500		
	C8.8.2.3		Other layers (G1)				
		(a)	Not exceeding 10 m ² including for edge repairs wider than 250mm	(m ³)			
		(b)	Exceeding 10 m ² but not exceeding 50 m ² including for edge repairs wider than 250mm	(m ³)	500		
		(c)	Exceeding 50 m ² up to 100 m ² including for edge repairs wider than 250mm	(m ³)	150		
C8.8.4			Backfilling of excavations for patching with:				
	C8.8.4.1		Chemically stabilized pavement material (state the pavement material and the stabilising agent) for a patch with a surface area:				
		(a)	Not exceeding 10 m ² including for edge repairs wider than 250mm	(m ³)	50		
		(b)	Exceeding 10 m ² but not exceeding 50 m ² including for edge repairs wider than 250mm	(m ³)	50		
		(c)	Exceeding 50 m ² up to 100 m ² including for edge repairs wider than 250mm	(m ³)	500		
	C8.8.4.2		Bitumen Stabilised Material for a patch with a surface area:				
		(a)	Not exceeding 10 m ² including for edge repairs wider than 250mm	(m ³)			
		(b)	Exceeding 10 m ² but not exceeding 50 m ² including for edge repairs wider than 250mm	(m ³)	200		
		(c)	Exceeding 50 m ² up to 100 m ² including for edge repairs wider than 250mm	(m ³)	150		
	C8.8.4.3		Asphalt for a patch with a surface area (hot asphalt and density)				
		(b)	Exceeding 10 m ² but not exceeding 50 m ² including for edge repairs wider than 250mm	(t)	300		
	C8.8.4.4		Granular base material (BTB) for a patch with a surface area				
		(b)	Exceeding 10 m ² but not exceeding 50 m ² including for edge repairs wider than 250mm	(t)	500		
	C8.8.6.3		Reconstructing edges using:				
		(a)	Continuously-graded hot asphalt (state type and density)	(t)	50		
TOTAL CARRIED FORWARD TO SUMMARY							

C9.1			ASPHALT LAYERS				
ITEM			DESCRIPTION	UNIT	QTY	RATE	AMT
C9.1.3			Application of bond coat				
	C9.1.3.1		Stable-grade 30% net bitumen emulsion as specified. Applied with a calibrated distributor	(ℓ)	2000		
C9.1.5			Asphalt surfacing				
	C9.1.5.1		New construction				
		(e)	Sand skeletal mix -- continuously graded as defined (40mm thickness-paver)	(m2)	3000		
C9.1.7			Placing and compacting asphalt in restricted areas				
	C9.1.7.1		Extra over payment items C9.1.4.1 and C9.1.5.1 (40mm thickness -paver))	(m2)	300		
C9.1.8			Surfacing of bridge decks				
	C9.1.8.1		Levelling course: Continuously graded (state mix type (stone or sand skeletal), binder type and nominal maximum	(t)	300		
C9.1.15			Milling of bridge decks and keys adjacent to bridge decks				
	C9.1.15.2		Milling of bridge decks and keys to bridge deck approaches	(m3)	100		
	C9.1.15.3		Cleaning of milled surfaces	(m2)	430		
TOTAL CARRIED FORWARD TO SUMMARY							

GENERAL REQUIREMENTS FOR SURFACE TREATMENTS

Item	Description	Unit	Quantity	Rate	Amount R
C10.1	GENERAL REQUIREMENTS FOR SURFACE TREATMENTS				
C10.1.3	Multiple stone seals including a cover spray, if specified using:				
C10.1.3.1	20 mm and 10 mm aggregate (Grade 1 Aggregate and Class S-E1 modified binder)	m ²	17 4 200		
C10.1.4	Embargo period effects:				
C10.1.4.2	Extra-over for sealing during the specified embargo period (Grade 1 Aggregate and Class S-CE1 winter grade modified binder)	m ²	32000		
C10.1.9	Bituminous binder variations:				
C10.1.9.11	Precoating fluid (state type)	ℓ	2 034		
C10.1.10	Aggregate variation (state grade):				
C10.1.10.3	10 mm aggregate	m ³	712		
C10.1.10.5	20 mm aggregate	m ³	1 400		
C10.1.11	Application of cover spray:				
C10.1.11.2	60 % Diluted Anionic stable-grade emulsion (dilution in 50% emulsion / 50% water)	ℓ	6 4 000		
C10.1.12	Application of cover spray by hand:				
C10.1.12.2	60% Diluted Anionic Stable-grade emulsion (dilution in 50% emulsion / 50% water)	ℓ	4 000		
C10.1.13	Precoating of aggregate using a dedicated plant:				
C10.1.13.1	Product containing low flashpoint solvent (Colcote or similar @12-16l/m3 precoating fluid)	ℓ	460		
C10.1.13.2	Product containing no low flashpoint solvent (Colcote or similar @12-16l/m3 precoating fluid)	ℓ	460		
Total Carried Forward					

GENERAL REQUIREMENTS FOR SURFACE TREATMENTS

Item	Description	Unit	Quantity	Rate	Amount R
Brought Forward					
C10.1.26	Trial sections for all seal types specified (20/10mm seal type)	Lump sum	1,0		
Total Carried Forward To Summary					

C11.1		PITCHING, STONEWORK, CAST IN SITU CONCRETE FOR PROTECTION AGAINST EROSION				
ITEM		DESCRIPTION	UNIT	QTY	RATE	AMT
C11.1.1		Foundation trenches for stone masonry walls				
	C11.1.1.1	Excavating foundation trenches in soft material using labour enhanced construction methods 0m to 1,0m depth	(m3)	350		
	C11.1.1.2	Excavating foundation trenches in intermediate material using labour enhanced construction methods 0 m to 1,0m depth	(m3)	350		
C11.1.2		Stone pitching				
	C11.1.2.1	Plain stone pitching				
	C11.1.2.2	Grouted stone pitching with mortar	(m2)	600		
	C11.1.2.3	Grouted stone pitching on a concrete bed	(m2)	420		
TOTAL CARRIED FORWARD TO SUMMARY						

C11.3

GUIDE BLOCKS AND KILOMETRE MARKERS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMT
C11.3.2	Kilometre markers	(No.)	46		
TOTAL CARRIED FORWARD TO SUMMARY					

C11.4			ROAD RESTRAINT SYSTEMS				
ITEM			DESCRIPTION	UNIT	QTY	RATE	AMT
C11.4.1			Erecting of guardrails at 3,81m spacing				
	C11.4.1.1		Complete galvanized system compliant to SANS 1350:				
		(a)	On timber posts	(m)	3000		
		(d)	Extra over C11.4.1.1(a) and C11.4.1.1(b) for excavating holes of posts using labour enhanced methods (soft and intermediate)	(m)	50		
C11.4.6			Reflective plates				
	C11.4.6.1		Steel plates	(No.)	350		
C11.4.7			Removing existing guardrails:	(m)	40		
C11.4.8			Renovating guardrail material:				
	C11.4.8.1		Painting guardrails, end wings and bullnoses	(m)	100		
C11.4.15			Disposal of existing guardrails				
	C11.4.15.1		Straight or curved longitudinal guardrails	(m)	100		
	C11.4.15.2		End treatments with single guardrails	(m)	20		
	C11.4.15.3		End treatments with double guardrails	(m)	40		
TOTAL CARRIED FORWARD TO SUMMARY							

C11.5				FENCING				
ITEM				DESCRIPTION	UNIT	QTY	RATE	AMT
C11.5.1				Supply and erect new fencing material for new fences and for supplementing material in existing fences which are being repaired or removed:				
	C11.5.1.1			Zinc-coated barbed wire (3.2 x 2.5mm Oval High tensile grade single strand)	(km)	20		
	C11.5.1.7			Standards (1850 x 2.5kg/m Y section complete with holes at 50mm c/c)	(No.)	125		
	C11.5.1.8			Droppers (1400 x 0.56mm kg/m ridgeback pattern)	(No.)	1250		
	C11.5.1.9			Straining posts, stays and anchors:				
		(a)		Vertical				
			(i)	Steel straining posts (type, size and length and whether galvanized or painted indicated)	(No.)	17		
		(b)		Inclined				
			(i)	Steel stays and anchors (2130 x 60 diameter x 3mm mild steel)	(No.)	17		
TOTAL CARRIED FORWARD TO SUMMARY								

C11.6			ROAD SIGNS				
ITEM			DESCRIPTION	UNIT	QTY	RATE	AMT
C11.6.1			Road signboards with painted or coloured semi-matt background. Symbols, lettering and borders in semi- matt black or in Class I retro-reflective material, where the sign board is constructed from:				
	C11.6.1.3		Prepainted galvanized steel plate:				
		(a)	Area 0 to 0,5 m2	(m2)	200		
		(b)	Area exceeding 0,5 m2 but not 2,0 m2	(m2)	150		
		(c)	Area exceeding 2,0 m2 but not 10 m2	(m2)	90		
	C11.6.1.7		Regulatory signs, permanent				
		(a)	600mm diameter (signboard material, background and symbol retro-reflective class indicated)	(No.)	80		
		(b)	900mm diameter (signboard material, background and symbol retro-reflective class indicated)	(No.)	10		
	C11.6.1.9		Warning signs, permanent				
		(a)	600mm size (signboard material, background and symbol retro-reflective class indicated)	(No.)	80		
		(b)	900mm size (signboard material, background and symbol retro-reflective class indicated)	(No.)	5		
C11.6.2			Extra over on item C11.6.1 for using:				
	C11.6.2.1		Background of retro-reflective material:				
		(a)	Class I	(m2)	90		
		(b)	Class III	(m2)	85		
	C11.6.2.2		Lettering, symbols, numbers, arrows, emblems and borders of retro-reflective material:				
		(a)	Class III	(m2)	75		
C11.6.3			Road sign supports (overhead road sign structures excluded):				
	C11.6.3.2		Timber (150mm to 174mm diameter and type indicated)	(m)	200		
C11.6.5			Excavation and backfilling for road sign supports (not applicable to kilometre posts)				
	C11.6.5.1		Excavating soft material and backfilling	(m3)	40		
	C11.6.5.2		Excavating soft or intermediate material and backfilling using labour enhanced construction methods	(m3)	15		
	C11.6.5.3		Extra over item C11.6.5.1 and C11.6.5.2 for cement-treated soil backfill	(m3)	10		
C11.6.6			Dismantling, storing and re-erecting road signs with a surface area of:				
	C11.6.6.1		Area 0 to 0,5 m2	(m2)	30		
	C11.6.6.2		Area exceeding 0,5 m2 but not 2,0 m2	(m2)	25		
	C11.6.6.3		Exceeding 2,0 m2 but not 10 m2	(m2)	10		
C11.6.8			Danger plates at culverts/structures				
	C11.6.8.1		Size 150 x 600mm (state post type and reflective material)	(No.)	40		
	C11.6.8.2		Size 200 x 800mm (state post type and reflective material)	(No.)	18		
C11.6.10			Disposing of road signs with a surface area of:				
	C11.6.10.1		Area 0 to 0,5 m2	(m2)	55		
	C11.6.10.2		Area exceeding 0,5 m2 but not 2,0 m2	(m2)	20		
	C11.6.10.3		Exceeding 2,0 m2 but not 10 m2	(m2)	10		
TOTAL CARRIED FORWARD TO SUMMARY							

C11.7		ROAD MARKINGS AND ROAD STUDS				
ITEM		DESCRIPTION	UNIT	QTY	RATE	AMT
C11.7.1		Road marking:				
C11.7.2		Retro-reflective road marking:				
	C11.7.2.1	White lines broken or unbroken (paint type and width of line indicated)	(km)	66		
	C11.7.2.2	Yellow lines broken or unbroken (paint type and width of line indicated)	(km)	92		
	C11.7.2.4	White lettering and symbols (paint type indicated)	(m2)	400		
	C11.7.2.5	Yellow lettering and symbols (paint type indicated)	(m2)	200		
C11.7.5		Variations in rate of application:				
	C11.7.5.1	White paint	(ℓ)	200		
	C11.7.5.2	Yellow paint	(ℓ)	200		
C11.7.7		Road studs				
	C11.7.7.1	Permanent road studs compliant to SANS 1442 (White,yellow & red stated)	(No.)	16000		
C11.7.8		Setting out and premarking the lines (excluding traffic island markings, lettering and symbols)	(km)	92		
C11.7.9		Re-establishing the painting unit during the defects notification period and at other instances on instruction of the Engineer	(No.)	1		
C11.7.10		Removal of existing, temporary or final road markings by:				
	C11.7.10.1	Sandblasting	(m2)	250		
	C11.7.10.3	Overpainting as temporary measure	(m2)	150		
TOTAL CARRIED FORWARD TO SUMMARY						0

FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS					
Item	Description	Unit	Quantity	Rate	Amount R
C11.9	FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS				
C11.9.1	Finishing the road and road reserve:				
C11.9.1.1	Dual carriageway road	km	36		
Total Carried Forward To Summary					

SECTION D - D1000			TRAINING, COACHING, GUIDANCE, MENTORING AND ASSISTANCE				
ITEM			DESCRIPTION	UNIT	QTY	RATE	AMT
D10.02			Stakeholder and Community Liaison and Social Facilitation				
	(a)		Cost of liaison officer (CLO), , social facilitation and PLC support	(PC) sum	Prime	Cost	250000
	(b)		Handling cost and profit in respect of sub-item D10.02(a)	(%)		25000	
D10.03			Tender Process for Targeted Enterprises				
	(i)		Accredited NQF training	provisional sum	Prov	Sum	200000
	(ii)		Accredited generic skills training	provisional sum	Prov	Sum	100000
	(iii)		Community skills training	provisional sum	Prov	Sum	75000
	(iv)		Handling cost and profit in respect of subitems D10.06(a)(i), (ii) and (iii)	percentage (%)		375000	
	(b)		Student experiential training				
	(i)		Student stipends	(PC) sum	Prime	Cost	280000
	(ii)		Provision of experiential training	Person.Month		14 20000	280000
	(c)		Other costs during training (specify)	provisional sum	Prov	Sum	
	(d)		Training venue	lump sum	lump	sum	15000
TOTAL CARRIED FORWARD TO SUMMARY							

SUMMARY OF SECTIONS		
Chapter	Description	Amount R
C1.2	GENERAL REQUIREMENTS AND PROVISIONS	
C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS	
C1.4	FACILITIES FOR THE ENGINEER	
C1.5	ACCOMMODATION OF TRAFFIC	
C1.6	CLEARING AND GRUBBING	
C1.7	LOADING AND HAULING	
C3.1	DRAINS	
C3.2	CULVERTS	
C.3.3	CONCRETE KERBING AND CHANNELING, ASPHALT BERMS, CHUTES, DOWNPIPES, AS WELL AS CONCRETE, STONE PITCHED AND GABION LININGS FOR OPEN DRAINS	
C4.1	BORROW MATERIALS	
C4.3	EXISTING ROAD MATERIALS	
C4.4	COMMERCIAL MATERIALS	
C5.3	ROAD PAVEMENT LAYERS	
C5.4	STABILISATION	
C5.5	RECONSTRUCTION OF PAVEMENT LAYERS	
C6.2	SEGMENTAL BLOCK PAVING LAYERS	
C8.1	PRIME COAT	
C8.2	COVER SPRAYS, FOG SPRAYS AND REJUVENATION SPRAYS	
C8.3	TEXTURE TREATMENT	
C8.8	PATCHING AND EDGE BREAK REPAIR	
C9.1	ASPHALT LAYERS	
C10.1	GENERAL REQUIREMENTS FOR SURFACE TREATMENTS	
C.11.1	PITCHING, STONEMWORK, CAST IN SITU CONCRETE FOR PROTECTION AGAINST EROSION	
C11.3	GUIDE BLOCKS AND KILOMETRE MARKERS	
C11.4	ROAD RESTRAINT SYSTEMS	
C11.5	FENCING	
C11.6	ROAD SIGNS	
C11.7	ROAD MARKINGS AND ROAD STUDS	
C11.9	FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS	
D-D1000	TRAINING, COACHING, GUIDANCE, MENTORING AND ASSISTANCE	
	TOTAL FOR SCHEDULED ITEMS CARRIED FORWARD - SUMMARY	
	CPA ((Applicable) 6%	
	5% Contingencies	
	SUBTOTAL	
	Add 15% VAT	
	Tender Sum	

SIGNED BY TENDERER:.....

SCOPE OF WORK

SPECIAL MAINTENANCE OF PRIMARY ROAD P23/1 BETWEEN KROONSTAD AND STEYNSRUS FOR A PERIOD OF 14 MONTHS FROM 0 TO SECTION 46

Part C3 Specification for the Work

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B4.1 BORROW MATERIALS	
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B8.2 COVER SPRAYS, FOG SPRAYS AND REJUVENATION SPRAYS	
B9.1 ASPHALT LAYERS	

PART C3SCOPE OF WORKS

SECTION C3.1STANDARD SPECIFICATIONS

The standard specifications on which this contract is based are the “**Standard Specifications for Road and Bridge Works for State Road Authorities –October 2020 Edition**” prepared and drafted by COTO.

The following SANS specifications are also referred to in this document and the Contractor is advised to obtain them from Standards South Africa (a division of SABS) in Pretoria

SANS 1914-1 to 6 (2002):Targeted Construction Procurement

SANS 1921-1 (2004): Construction and Management Requirements for Works Contracts
Part 1: General Engineering and Construction Works and where accommodation of traffic is involved.

SANS 1921-2 (2004): Construction and Management Requirements for Works Contracts;
and Part 2: Accommodation of Traffic on Public Roads Occupied by the Contractor.

SARTSM regulations Road Signs and Road Marking Manuals

All references to SABS Standards which are replaced with corresponding SANS Specifications, have to be read in their new format.

SECTION C3.2:PROJECT SPECIFICATIONS

The Project Specifications, consisting of two parts, form an integral part of the Contract and supplements the Standard Specifications.

PART A contains a general description of the works, the site and the requirements to be met.

PART B contains variations, amendments and additions to the Standard Specifications and, if applicable, the Particular Specifications.

PART C contains specifications to be followed for 30% subcontracting and local SMME's participation.

PART D contains specifications for Occupational Health and Safety including the baseline risk assessment.

PART E contains specifications for Environmental Compliance.

In the event of any discrepancy between a part or parts of the Standardized or Particular Specifications and the Project Specification, the Project Specification shall take precedence. In the event of a discrepancy between the Specifications, (including the Project Specifications) and the drawings and / or the Bill of Quantities, the discrepancy shall be resolved by the Engineer with a consultation to the Employer before the execution of the work under the relevant item (in the form of Addendum).

PART A: GENERAL

PS1 EMPLOYER'S OBJECTIVES

The Employer's general objective is to Maintain and rehabilitate the primary road P23/1 between Kroonstad to Steynsrus for a total remaining scope within 46 km.

The project offers employment job opportunities and also uplift the local community.

To deliver suitable public infrastructure in a cost effective way,

Create employment and up-improve job opportunities for local communities and contractors.

To improve mobility and access to nearby towns for transportation facilities as part of economic growth.

This project has the following particular objectives:

- Create employment for 4 laborers for every one million spent.
- Create employment opportunities for local subcontractors, with a total of 30% of net construction amount/value (excl. Professional fees, CPA and Contingencies).
- Provide work experience for two departmental students.
- To provide training for local labor in social as well as in labor intensive construction skills.

PS2 LOCATION OF THE WORKS

Refer to the locality plan included in Part C4 of this document.

SECTION 1.2: GENERAL REQUIREMENTS AND PROVISIONS

BA1.2.3 GENERAL

Replace Clause A1.2.3 with the following:

"The General Conditions of Contract for Construction Works, 3rd Edition 2015, published by the South African Institute of Civil Engineering, together with the Special Conditions of Contract, forming part of the contract, will be applied".

All references in the COTO Standard Specifications have been amended accordingly to reflect the appropriate General Conditions of Contract relevant for the Contract. Each COTO clause reference is tabulated in Table 1.2/1 below (context of reference is also given) together with the relevant equivalent clause in the SAICE General Conditions of Contract for Construction Works applicable for this contract. All references to the "schedule of quantities" in the Standard Specifications shall be amended to the "Bill of Quantities".

Whereas every effort has been made to include all of the affected clauses in the table, there may be some omissions. In every case, however, the SAICE General Conditions of Contract for Construction Works,

as amended by the Special Conditions of Contract in Part C1.2: Contract Data of this Volume, shall apply and the Contractor shall be responsible for the interpretation of the equivalent clause.

TABLE 1.2/1

**REFERENCES IN COTO STANDARD SPECIFICATIONS TO THE RELEVANT SAICE GENERAL
CONDITIONS OF CONTRACT FOR CONSTRUCTION WORKS 2015**

COTO Standard Specifications for Road and Bridge Works for South African Road Authorities (Draft Standard) (October 2020)		SAICE General Conditions of Contract for Construction Works 3rd Edition 2015	
Clause no.	Description or Reference	Clause no.	Description or Reference
A1.2.3.4	Extension of time for delays caused by rainfall	5.12	Extension of time for Practical Completion
A1.2.3.5	Handing-over of the site of the works	5.4	Access to site
A1.2.3.7	Legal and Contractual requirements and responsibility to the public and Employer	4.3	Legal Provisions
A1.2.3.10	Notices, signs and advertisements	4.5	Notices and Fees
A1.2.3.11	Ordering of daywork	6.5	Dayworks
A1.2.3.14	Remedial Work	7.9	Urgent remedial work
A1.2.3.19	Temporary drainage and dewatering	8.1& 8.2	Protection of works & Care of the works
A1.2.7.1	Programme of work	5.6	Programme

PS3 EXTENT OF THE WORKS

This section of the Project Document is a basic outline of the works, and does not limit the work to be carried out under this contract.

- Construction of a 20/10 double seal
- Construction of a G1
- Construction of a C3 Subbase
- Pre-pulverising of the existing pavement
- Construction of G5 Shoulder
- Construction of a G5 bypasses to accommodate traffic flow
- Traffic Accommodation
- Installation of road signs
- Reinstatement of road markings
- Drainage improvement
- Installation Guardrails
- Reinstatement roadside furniture
- Clearing and grubbing
- Fence repairs and replacement
- Road studs
- 40mm Asphalt on all intersections
- Concrete beams on all farm access
- Storm-water drainage

Scope Brief Description

Chainage (3+100 to 6+100), (12+140 to 14+840),(36+340 to 40+340) – import of 50mm **G3** material to exposed existing G1 recycling with 1% cement to a new base and double seal.

Chainage (6+100 to 8+140),(14+840 to 18+340),(40+340 to 41+300),(42+380 to 43+880) – import of 100mm G5 material recycling with 3% of cement to C4, import 150mm G1 as a new base and double seal.

Chainage (0+000 to 46+000) Patchwork ,Road markings and Road Signs

PS4 NATURE OF GROUND AND SUBSOIL CONDITIONS

Ground and subsoil conditions will be evaluated during the construction phase.

PSS CONSTRUCTION AND MANAGEMENT REQUIREMENTS

PS5.1 Quality Assurance (QA)

The Contractor will be solely responsible for the production of work that complies with the Specifications. To this end it will be the full responsibility of the Contractor to institute an appropriate Quality Assurance (QA) system on site.

The Engineer (Client representative) will audit the Contractor's quality assurance (QA) system on a regular basis to verify that adequate independent checks and tests are being carried out and to ensure that the Contractor's own control is sufficient to identify any possible quality problems, which could cause a delay or failure.

With the nature of this project not including services of consultants, the contractor's Quality Assurance system is to include and accommodate the employer's quality assurance/acceptance systems.

PS5.2 Management and disposal of water and surplus material

The Contractor shall pay special attention to the management and disposal of water and stormwater on the site. It is essential that all completed works or parts thereof are kept dry and properly drained.

Claims for delay and for repair of damage caused to the works as a result of the Contractor's failure to properly manage rain and surface water, will not be considered.

The Contractor shall dispose of all excess or unsuitable material at approved spoil sites.

The Contractor shall be responsible for all arrangements necessary to obtain such spoil sites.

PS5.3 Management of the environment

The Contractor shall pay special attention to the following:

Natural vegetation

The Contractor shall confine his operation to as small an area of the site as may be practical for the purpose of constructing the works.

Only those trees and shrubs directly affected by the works and such others as the Engineer may direct in writing shall be cut down and stumped. The natural vegetation, grassing and other plants shall not be disturbed other than in areas where it is essential for the execution of the work or where directed by the Engineer.

Fires

The Contractor shall comply with the statutory and local fire regulations. He shall also take all necessary precautions to prevent any fires. In the event of fire the Contractor shall take active steps to limit and extinguish the fire and shall accept full responsibility for damages and claims resulting from such fires which may have been caused by him or his employees.

PS6 SITE FACILITIES

PS6.1 Contractor's camp site office and depot

The Contractor is responsible for providing a suitable site for the contract site office and to provide accommodation for his personnel and labourers.

Prior to establishment, the Contractor must obtain the approval of and permission from the local Phumelela Local Municipality regarding the site office.

PS6.2 Accommodation of employees

No employees, except for security guards, will be allowed to sleep or be accommodated on the site.
No housing is available for the Contractor's employees and the Contractor shall make his own arrangements to house his employees and to transport them to site.

No informal housing or squatting will be allowed.

The Contractor shall provide the necessary ablution facilities at his camp site and the site of the works for the use of his employees. Only chemical toilets will be allowed where temporary facilities have to be provided.

PS6.3 Power supply, water and other services

The Contractor shall make his own arrangements concerning the provision of electrical power, water and all other services at the site office. No direct payment will be made for the provision of electricity, water and other services.

The cost thereof shall be deemed to be included in the rates and amounts tendered for the various items of work for which these services are required, or in the Contractor's Preliminary and General items as the case may be.

PS6.4 Security

The Contractor shall provide security watchmen for the contract as he deems fit at no extra cost for the Employer. The Contractor must ensure that all his employees as well as the employees of his subcontractors are able to identify themselves as members of the construction team.

PS7 REQUIREMENTS FOR ACCOMMODATION OF TRAFFIC

PS7.1 General

The Contractor will be responsible for the safe and easy passage of public traffic next to or adjacent to the construction site.

PS7.2 Basic requirements

The travelling public shall have the right of way on public roads, and the Contractor shall make use of approved methods to control the movement of his equipment and vehicles so as not to constitute a hazard on the road.

The Contractor shall ensure that all road signs, barricades, traffic lights, delineators, flagmen and speed control measures are effective and that courtesy is extended to the public at all times.

Failure to maintain road signs, warning signs, traffic lights or flashing lights, etc. in a good condition shall constitute ample reason for the Engineer to suspend the work until the road signs, etc. have been reinstituted to specification.

The Contractor may not commence constructional activities affecting existing roads before adequate provision has been made to accommodate traffic in accordance with the requirements of this document and the South African Road Traffic Signs Manual.

The Contractor shall provide and grant access to persons whose properties fall within or adjoin the area in which he is working.

PS7.3 Traffic Safety Officer

The Contractor shall appoint a suitable traffic safety officer to be responsible for the arrangement and maintenance of all the measures for the accommodation of traffic for the duration of the project. Duties of the traffic safety officer shall be as set out in Section 1.5 and shall also be in compliance with the Occupational Health and Safety Act 1993 and the Construction Regulations 2014.

PSS OCCUPATIONAL HEALTH AND SAFETY

PS8.1 General Statement

It is a requirement of this contract that the Contractor shall provide a safe and healthy working environment and to direct all his activities in such a manner that his employees and any other persons, who may be directly affected by his activities, are not exposed to hazards to their health and safety.

To this end the Contractor shall assume full responsibility to conform to all the provisions of the Occupational Health and Safety Act No 85 and Amendment Act No 181 of 1993, and the OHS 1993 Construction Regulations 2014 issued on February 2014 by the Department of Labour and the COVID 19 Occupational Health and Safety Measures in Workplaces COVID 19 (C19 OHS), 2020, issued by the department of Employment and Labour.

PS8.2 Health and Safety Specifications and Plans

(a) Employer's Health and Safety Specification

The Employer's Health and Safety Specification will be included in the tender documents as part of the Particular Specifications.
(Included in Section C3.3)

(b) Bidder's Health and Safety Plan

The Contractor shall submit within 14 days after the commencement date his own documented Health and Safety Plan he proposes to implement for the execution of the work under the contract. His Health and Safety Plan must at least cover the following:

- i) a proper risk assessment of the works, risk items, work methods and procedures in terms of Regulations 7 to 28;
 - ii) pro-active identification of potential hazards and unsafe working conditions;
 - iii) provision of a safe working environment and equipment;
 - iv) statements of methods to ensure the health and safety of subcontractors, employees and visitors to the site, including safety training in hazards and risk areas (*Regulation 5*);
 - v) monitoring health and safety on the site of works on a regular basis, and keeping of records and registers as provided for in the Construction Regulations;
- vi) details of the Construction Supervisor, the Construction Safety Officers and other competent persons he intends to appoint for the construction works in terms of Regulation 6 and other applicable regulations; and
- vii) detail of methods to ensure that his Health and Safety Plan is carried out effectively in accordance with the Construction Regulations 2003.

The Contractor's Health and Safety Plan will be subject to approval by the Employer, or amendment if necessary, before commencement of construction work. The Contractor will not be allowed to commence work, or his work will be suspended if he had already commenced work, before he has obtained the Employer's written approval of his Health and Safety Plan.

Note : Time lost due to delayed commencement or suspension of the work as a result of the Contractor's failure to obtain approval for his

safety plan, shall not be used as a reason to claim for extension of time or standing time and related costs.

PS8.3 Cost of compliance with the OHS Act and Construction Regulations

The rates and prices tendered by the Contractor shall be deemed to include all costs for conforming to the requirements of the Act, the Construction Regulations and the Employer's Health and Safety Specification as applicable to this contract.

Should the Contractor fail to comply with the provisions of the Construction Regulations, he will be liable for penalties as provided in the Construction Regulations and in the Employer's Health and Safety Specification.

B1.2.7.1 PROGRAMME OF WORK

Add the following after the title :

"The Contractor shall include with his tender a preliminary programme. The programme shall be in the form of a simplified bar chart with sufficient details to show clearly how the works will be performed within the time for completion as stated in the Contract Data.

The Contractor shall be deemed to have allowed fully in his tendered rates and prices as well as in his programme for all possible delays due to adverse weather conditions and special non-working days as specified in the Project Specifications and in the Contract Data.

It is essential that the construction programme, which shall conform in all respects to Clause 5(6) of the General Conditions of Contract, be furnished within the time stated in the Contract Data. The preliminary programme to be submitted with the tender shall be used as basis for this programme."

(a) General

Insert the following at the beginning of the clause:

"The Contractor shall submit his programme at the closing of the tender together with his billed tender document. The programme shall be in the form

of a bar chart (Gantt chart) or any other time-activity form acceptable to the Engineer, and shall clearly show:

- i) The proposed rate of progress in order to complete the works within the required period as tendered, showing the various activities, their durations and proposed resourcing levels (major plant and labour) for each element of the works. Sufficient detail shall be provided to enable the Engineer to be able to gauge construction progress. All activities, including establishment on site, trimming and finishing and the completion of all minor ancillary works are to be included in the programme.
- ii) The sequence of activities and any dependencies (time or resource related) between them.
- iii) The critical path activities.
- iv) Key dates in respect of work to be carried out, or information, etc., to be provided, by others.
- v) Other information specifically required by the Engineer.

When compiling his programme, the Contractor shall, inter alia, take into consideration and make allowance for :

- i) Unexpected weather conditions and their effects.
- ii) Known physical conditions or artificial obstructions.
- iii) The accommodation and safeguarding of public traffic.
- iv) Restrictions of the total length of deviation open to traffic at any one time. Simultaneous work on adjacent sections shall not be allowed.
- v) All special non-working days as defined in Part C1.2: Contract Data.
- vi) All training, especially safety training, to be completed before an activity is commenced.

The following details shall be submitted together with the programme:

- i) The number of working hours per day, working days per week, assumed holiday or shut down periods on which the programme is based.
- ii) The overall labour and major plant resource levels on which the programme is based.
- iii) The detailed traffic accommodation proposals on which the programme is based (road or lane closures, lengths of sections to be worked, timing etc).

- i v) A budget forecast of the value of completed work, excluding CPA and contingencies but including VAT, month by month, for the full contract period.

These additional items shall also be revised when any revision is made to the programme. Failure to comply with these requirements entitles the Engineer to use a programme based on his own assumptions to evaluate claims for extension of time for completion of the works, or for additional compensation.

Minor revisions to the approved programme may be introduced from time to time by mutual agreement between the Contractor and the Engineer. Should the Engineer believe that a major revision of the programme is required, the Contractor will be notified in writing and an updated programme shall be submitted within two weeks of receipt of such notification.

It should be noted that it is in the Contractor's interest to provide a comprehensive programme giving as much information as possible about the times allowed for the various activities as well as resource or other limitations affecting the programme, since the approved programme may be used to evaluate any claims in terms of the General Conditions of Contract for extension of time.

The Contractor shall submit to the Engineer, at least three working days before each monthly site meeting, copies of the following:

- i) The contract programme with progress charts and programme graphs updated to reflect the actual progress to date.
- ii) A summary of progress on site over the month preceding the site meeting. The report shall be in the form of a detailed narrative to the contract programme.
- iii) Details of activities running late, indicating what steps have been or will be taken to ensure that the work is completed within the specified time.
- iv) A report on all labour, plant and materials on site.
- v) All other appendices to the monthly site meeting minutes as required by the Employer."

BA 1.2.7.2 THE SETTING OUT OF WORK AND PROTECTION OF BEACONS (where required)

Add the following before the last paragraph :

"The sections to be rehabilitated or constructed have not been set out.

Benchmarks required for construction control shall be established by the Contractor. The Contractor shall survey the existing benchmarks and submit the results for checking and approval by the Engineer within 14 days after the Commencement date.

Where instructed by the Engineer, the Contractor shall stake the road at 20m point intervals along the road before the start of any construction activities. Cross sections shall be taken to the width of the road reserve, indicated by the existing fence line or as prescribed by the Engineer either side of the road centre line at the 20m point intervals. The cross sections have to be submitted to the Engineer for checking and approval in the format required by the Engineer (including electronic format).

The Contractor shall submit written notice to the Engineer in the form of "jobrequests" of at least three working days before the intention of setting out or commencing any portion of the Works especially if the Works are to be checked. Such notice shall include the time, location and type of Work to be set out or checked. The Contractor shall complete setting out or surveying any part of the works ahead of his submitted construction programme to allow the Engineer

adequate time to check the setting out or the survey and to give his approval to proceed or give instructions for alterations, additions and omissions."

Add the following before the first sentence of the last paragraph:

"No separate payment will be made for any setting-out, staking, taking cross sections, checking benchmarks, referencing existing road markings or any work described in this clause."

Add the following paragraph:

"The Contractor shall take care that property beacons, trigonometrical survey beacons or setting-out beacons are not displaced or destroyed without the consent of the Engineer. Property beacons and trigonometrical survey beacons that have been displaced or destroyed shall be replaced by a registered Land Surveyor, who shall certify such replacement.

The cost of replacing all beacons displaced or destroyed during the course of the contract without the consent of the Engineer shall be the Contractor's responsibility and included in the tender rates."

B1.2.8 WORKMANSHIP AND QUALITY CONTROL

Add the following after the title:

"The Contractor shall implement a quality assurance system in accordance with ISO 9001 and appoint a quality manager who shall ensure that members of the Contractor's staff comply with the requirements of the quality system. The quality system and the methods used to implement it shall be described in a quality plan produced by the Contractor. The quality manager shall be resident on site full time. No construction activities shall take place on site before the Engineer approves the quality plan".

a) Process control

The Contractor shall arrange for all tests required for process control to be done by a laboratory acceptable to and approved by the Engineer.

The Contractor may establish his own laboratory on site or he may employ the services of an independent commercial laboratory. The costs for these tests shall be deemed to be included in the relevant rates and no additional payment will be made for testing as required.

Add the following:

"The Contractor shall submit the quality assurance system he proposes using to the Engineer, for his approval, within two weeks of the site handover. Once accepted by the Engineer the Contractor shall not deviate from it unless written notification of proposed changes have similarly been submitted and approved. The system shall record the lines and levels of responsibility and indicate the method by which testing procedures will be conducted.

b) Acceptance control

add the following:

The process control test results submitted by the Contractor for approval of materials and workmanship may be used by the Engineer for acceptance control.

However, before accepting any work, the Engineer may have further control tests carried out by a laboratory of his choice. The cost of such additional tests will be covered by a Provisional Sum provided under Section 20 in the Bill of Quantities, but tests that failed to confirm compliance with the specifications, will be for the account of the Contractor.

An acceptance control system will be set up by the Engineer (Employer), which will include scheduled checks of the contractor's quality control system by means of various schedules to be submitted in a weekly and/or in a monthly basis.

The schedules will include but not limited to the following:

- Quality acceptance control testing
- Electronic Daily Diaries which include photographic evidence of work done submitted on a daily basis.
- Hard copy daily diaries prepared for signing on a weekly or bi-weekly basis.
- Inspection requests submitted electronically and backed up with hard copies for signing on site. (Requests to be submitted 24hr in advance)
- Monthly labour and Progress reports."

Add the following :

"The Contractor's place of testing and laboratories shall be subject to inspection and approval by the Engineer.

No routine levelling or material testing will be executed by the Engineer on behalf of the Contractor. The Engineer will only check the levels and laboratory test results of the Contractor after the information has been submitted to him in writing. The Engineer may however perform acceptance control testing.

No work executed will be measured for payment unless the results submitted have been checked and approved."

B1.2.8.2 ACCEPTANCE QUALITY CONTROL

Remove the second, third and fourth sentences and replace with the following:

The engineer may carry out testing at the cost of the Employer in either the Engineer's laboratory or one approved by him.

An acceptance control system will be set up by the Engineer (Employer), which will include scheduled checks of the contractor's quality control system by means of various schedules to be submitted in a weekly and/or in a monthly basis.

The schedules will include but not limited to the following:

- Quality acceptance control testing
- Electronic Daily Diaries which include photographic evidence of work done submitted on a daily basis.
- Hard copy daily diaries prepared for signing on a weekly or bi-weekly basis.
- Inspection requests submitted electronically and backed up with hard copies for signing on site. (Requests to be submitted 24hr in advance)
- Monthly labour and Progress reports.

BA1.2.8.3

CERTIFICATE OF PRACTICAL COMPLETION OF THE WORKS

Notwithstanding that there might be natural or programmed sections of the works that will result in them being completed in their entirety before other sections, no consideration shall be given to the issuing of practical completion certificates for portions of the works. The use of any completed roadway or portions of the work, whether for unhindered use by the public or for accommodation of traffic while other portions are being constructed, shall not constitute use or occupation by the Employer.

In addition to the listed specified items of work and regardless of the degree of beneficial occupation by the Employer, the works shall be considered for practical completion only if the following criteria also have been met:

- i) The estimated cost to complete the outstanding work is less than 2% of the tendered value of work plus the cost of any variation or extra work orders, but excluding CPA and VAT.
- ii) The written list of outstanding items of work can be completed within 28 days of the list having been accepted in writing by the Contractor.

iii) Any information in the Contractor's possession, which is required by the Engineer and has been requested in writing, has been supplied.

iv) All road work and storm water drainages have been completed in accordance with the project specification.

The contents of this General Conditions of Contracts, together with the above amendment, shall be applied equally to the issue of a Certificate of Practical Completion.

BA.1.2.8.4

INFORMATION FURNISHED BY THE EMPLOYER

Add the following new clause:

"Quantities regarding the distribution and extent of repair work items were compiled and calculated to the best of the Engineer's knowledge and available information at the time of the design and could be subject to significant variations at the construction stage. Such variations shall, however, not form grounds for a claim by the Contractor in terms of the General Conditions of Contract."

BA 1.2.3.4

EXTENSION OF TIME FOR DELAYS CAUSED BY RAINFALL

Change the existing heading of clause BA 1 . 2 . 3 . 4 to read as above and wherever the expression "rainfall" is encountered replace it with "inclement weather"

Delete the entire clause and replace with the following:

"For the purposes of calculating an extension of time due to climatic conditions in terms of clause 5(12)(2) of the General Conditions of Contract, the number of days more than the number of working days anticipated to be lost due to climatic conditions shown in Table B1215/1 shall be taken into account:

TABLE B1215/1
ANTICIPATED DAYS LOST DUE TO INCLEMENT WEATHER CONDITIONS

EXPECTED NUMBER OF WORKING DAYS LOST			
JANUARY	3	JULY	2
FEVRUARY	3	AUGUST	3
MARCH	3	SEPTEMBER	3
APRIL	3	OCTOBER	3
MAY	2	NOVEMBER	3
JUNE	2	DECEMBER	3

The following climatic conditions can be classified as inclement weather conditions:

- Cold weather conditions,
- Windy conditions,
- Misty conditions,
- Excessive dust storms, and
- Rainy conditions (more than 1 0 mm rain per day).

The Engineer will certify a day lost due to the above climatic conditions or inclement weather conditions only if:

- (a) no work on the critical path (delay in critical path) according to the latest approved programme for completion of the works could be carried out during that specific working day or if
- (b) only 30% or less of the work force and plant planned for that specific day, could work.

The extension of time as a result of inclement weather and/or abnormal climatic conditions will be calculated monthly as being equal to the absolute value of the number of days certified by the Engineer as lost due to climatic conditions, less the number of days in Table B121 5/1 . The total extension of time for the contract will be the sum of the monthly extensions.

Extension of time for portions of a month shall be calculated *pro-rata*.

If approved extensions of time extend the completion date beyond the start of the Contractor's holiday in December, the holiday period shall not be considered as working days, as defined in the Contract Data. Any remaining extension of time at this date shall be calculated from the first statutory working day in January the following year, provided that the contractor has shown in his programme that he intends to close during the traditional Christmas/ New Year break."

BA1.2.3.5

HANDING-OVER OF THE SITE OF THE WORKS

Add the following :

"Upon the handing-over of the site the Contractor shall immediately assume responsibility for the road reserve within the limits of this contract as set out in the specifications.

Prior to the commencement of work the Contractor and the Engineer shall together carry out a joint inspection of the road section. During such an inspection, notes shall be made of all damaged fences, guardrails, signs and any other notable problems or features that exist at the time of hand-over.

The following matters should be agreed at the time of handing-over:

- i) The limits, lengths, widths and areas of construction.

- ii) The location of kilometer markers and reference beacons
- iii) The location of stockpile areas and the responsibilities of the Contractor with regard to the road reserve area and the stockpile sites (fencing, re-establishment, height of stockpile, etc.).

The method of accommodation of public traffic with regard to safety, sight distances, interference with existing road signs and road markings both within the work area and providing advance warning before the work area.
- v) The method of construction and supervisory control measures."

BA1.2.3.6

LEGAL PROVISIONS

Add the following new paragraph:

"The Contractor shall take note of the new Construction Regulations 2003 recently promulgated under the Occupational Health and Safety Act (Act 85 of 1993) and it's Regulations, in particular the Construction Regulations 2017 No. R. 1010 promulgated 1 8 July 2003 as well as the COVID 19 Occupational Health and Safety Measures in Workplaces COVID 1 9 (C19 OHS), 2020, issued by the department of Employment and Labour. The Contractor shall in terms of sub clause 5(1) of these regulations provide a comprehensive health and safety plan detailing the hazards identified on this project and the procedures required to mitigate, reduce and/or control the said hazards.

The scope of the work to be carried out under this contract is indicated, but not limited to, this section and in other sections of this document and on the drawings and shall include the health and safety specification as well as COVID 19 OHS Specifications.

The Contractor shall at all times be responsible for full compliance with the approved plan as well as the Construction Regulations."

BA 1.2.3.10 NOTICES, SIGNS AND ADVERTISEMENTS

Delete the last sentence and replace with the following:

"All signboards erected in accordance with the drawings or as approved advertisements for the Contractor's establishment, shall be removed at the same time as the de-establishment of the Contractor's camp. Payment under sub-item 13 . 01 for the final installment of 15% of the tendered lump sum shall not be made unless all the advertisements, notices and temporary signs have been removed."

C1.2 GENERAL REQUIREMENTS AND PROVISIONS

PART C: MEASUREMENT AND PAYMENT

Add the following new payment items:

ITEM	UNIT
B1 . 2 . 11 Laboratory tests for Engineer's quality assurance .acceptance control.....	Provisional (Prov. Sum)
B 1 . 2 . 1 1 (i) Contractor's handling cost and profit in respect of sub-item.....	Percentage (%)
Quality assurance control testing will be carried out by an external laboratory as nominated by the Engineer. Any payment claimed under this provisional sum item shall be certified on the engineer's receipt of the Contractor's submitted tax invoice(s) as received from the Engineer's selected external laboratory. No payment will be considered without an attached associated tax invoice. The tendered percentage is a percentage of the amount actually spent under the provisional sum item, for the Contractor's handling cost and profit in respect of sub-item B1 . 2 . 1 1 (i)."	

ITEM	UNIT
B1.2.12	(i)Site Surveyor for Engineer's quality.....
	Assurance/ acceptance controlProvisional (Prov. Sum)
B1 . 2 . 12	(ii) Contractor's handling cost and profit in respect of

sub-item B1 .2.12(i)

Percentage(%)

Quality assurance control testing will be carried out by an external laboratory as nominated by the Engineer.

Any payment claimed under this provisional sum item shall be certified on the engineer's receipt of the Contractor's submitted tax invoice(s) as received from the Engineer's selected external laboratory. No payment will be considered without an attached associated tax invoice.

The tendered percentage is a percentage of the amount actually spent under the provisional sum item, for the Contractor's handling cost and profit in respect of sub-item B1 .2 . 12(i) .1 1

ITEM

UNIT

B1 . 2 .

13

(i)

Occupational Health and Safety Agent for Engineer's quality

Assurance/ acceptance control

Provisional (Prov. Sum)

B1 .2.13

(ii)

Contractor's handling cost and profit in respect of
sub-item B1 . 2 . 13(i)

Percentage(%)

Quality assurance control testing will be carried out by an external laboratory as nominated by the Engineer.

Any payment claimed under this provisional sum item shall be certified on the engineer's receipt of the Contractor's submitted tax invoice(s) as received from the Engineer's selected external laboratory. No payment will be considered without an attached associated tax invoice.

The tendered percentage is a percentage of the amount actually spent under the provisional sum item, for the Contractor's handling cost and profit in respect of sub-item B1 .2 . 13(i) . ..

ITEM B1

B1.2.14

environmental compliance agent for Engineer's quality

Assurance/ acceptance control

Provisional (Prov. Sum)

Contractor's handling cost and profit in respect of

sub-item B1.2. 14(i)

Percentage (%)

Quality assurance control testing will be carried out by an external laboratory as nominated by the Engineer.

Any payment claimed under this provisional sum item shall be certified on the engineer's receipt of the Contractor's submitted tax invoice(s) as received from the Engineer's selected external laboratory. No payment will be considered without an attached associated tax invoice.

The tendered percentage is a percentage of the amount actually spent under the provisional sum item, for the Contractor's handling cost and profit in respect of sub-item B 1 . 2 . 14(i) . "

PART C: 30% SUBCONTRACTING AND LOCAL SMME PARTICIPATION

It is the Employer's intention to utilise this item to create work and opportunities for emerging subcontractors and their labour force.

The nominated subcontractor will submit an itemised claim and an associated invoice to the Contractor. will be considered upon the submission of a claim by the Main Contractor to the Engineer.

It is the Employer's intention to utilise this item to create work and opportunities for emerging subcontractors and their labour force.

The following sections of the COTO standard specifications, with reference to relevant road construction activities, have broadly been identified for this purpose:

For tender purposes the Bidder shall include 30% percentage to all work related items in the BOQ- to cater for the sub- contractors.

The Bidder is to note that the scope of work pertaining to the above sections has not been finalised. The Bidder is also to note the possibility that not all the listed sections would be applicable. Throughout the duration of contract, the Engineer will identify and specify the scope of such work and submit it to the Employer for approval, after which it will be issued to the Contractor with an associated Bill of Quantities for further action.

For each of the issued scopes of work, the Contractor will be expected to procure a minimum of 3 suitable quotations from identified local subcontractors for submission to the Engineer for perusal and approval.

The Contractor will be notified in writing of the successful nominated subcontractor.

1. SCOPE

This section gives guidance on how SMME participation of is to be handled in terms of the contract. The specification will cover the following items subcontractor locality, proposed scope of works, subcontractor requirements, procurement strategy, evaluation process, contractual considerations and project specifications and payment to be followed.

2. Subcontractor locality

The locality of subcontractors is to be within the local municipality where the project is taking place. Should the project take place between two towns situated with two separate municipalities, the allocation shall be shared proportionally.

3. Proposed scope of works

Works to be subcontracted shall entail but not limited to the following

Clearing And Grubbing

Drains

Prefabricated Culverts

Concrete Kerbing, Concrete-Channeling, Chutes And Downpipes,
And Concrete Linings For Open Drains

Patching And Repairing Edge Breaks

Treatment Of An Existing Surface Exhibiting Certain Defects

Pitching, Stonework And Protection Against Erosion

Gabions

Guardrails

Fencing

Road Signs

Road Markings

Landscaping And Planting Plants

4. Subcontractor procurement will be subjected to a three-phase procurement strategy announced through an advertisement.

- a. Compliance
- b. Pricing
- c. Negotiations with a main Contractor

A1.3 CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

A1.3.3.1 Construction camps

The Contractor shall make his own arrangements for the use of any property outside the road reserve for erection of the construction camp/s, as well as for the provision of adequate means of access, security and the installation and supply of water, electricity and telephone services required by the Contractor.

A1.3.3.2 Housing

The Contractor shall not erect any housing or other accommodation facilities on the site in urban areas and shall make all the necessary arrangements for accommodation of his personnel and site staff off the site.

A1.3.3.3 Maintenance of the Contractor's facilities

The Contractor shall maintain the construction camps and all the Contractor's other facilities in a clean, neat and tidy condition for the duration of the Contract. The Contractor shall also maintain all the access roads to the Contractor's site facilities including any publicly or privately owned roads that the Contractor is making use of. Depending on the initial condition of the access roads this may entail repairing any potholes and edge breaks of surfaced roads or the re-gravelling of the road and subsequently the regular watering, blading and rolling of the surface to maintain a firm surface without excessive corrugations and loose materials. The Contractor shall ensure that the access roads to the Contractor's facilities are always in a safe and passable condition for normal cars under all weather conditions.

A1.3.3.4 Contractor's own security arrangements

The Contractor shall provide all the security measures required for the Contractor's own facilities and equipment on the Site of the Works, including quarries, borrow pits, and for the traffic accommodation site facilities and equipment, as he deems necessary.

A1.2.3.21 Water

The Contractor shall make his own arrangements for procuring, transporting, storing, distributing and applying the water needed for construction and other purposes, except where otherwise specified. Obtaining water from streams, rivers, dams or boreholes shall be subject to the Contractor obtaining the required permit from the relevant authority.

Obtaining water from a municipal or other water supply authority shall be subject to the Contractor entering into a supply agreement with the relevant supply authority.

The suitability of water for construction purposes shall be determined in accordance with the acceptance parameters given in the following clauses of this Standard Specification:

- Water for earthworks and pavement layers
- Water for stabilisation of pavement layers –
- Water for diluting bitumen emulsion –
- Water for grout
- Water for shotcrete
- Water for concrete structures

- Water for cementitious repair mortar or concrete
- Water for sprayed concrete

A1.2.3.17 Site security

The Contractor is responsible for keeping unauthorised persons off the Site of the Works in accordance with the requirements of the Conditions of Contract. The Contractor shall therefore carefully assess the security measures of whatever nature that may be required at the location of the Engineer's site office and laboratory, the Contractor's offices, stores and workshops, the Site of the Works including quarries, borrow pits, stockpile sites and manufacturing yards as well as any traffic accommodation site facilities and equipment which may be placed on the approaches to / exits from the Site of the Works.

C1.3 CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS PART C: MEASUREMENT AND PAYMENT

(i) Preamble

The tendered rate for each item shall include full compensation for providing, operating, maintaining and decommissioning upon completion, of all the construction equipment, labour, tools, incidentals and supervision to carry out the activity or construct the works in the item, unless otherwise stated.

Any prime cost or provisional sums shall be paid in accordance with the provisions of the Conditions of Contract. The charge or mark-up tendered or allowed for is a percentage of the amount actually paid under the prime cost or provisional sum. This percentage shall cover all the Contractor's handling, supervision, profit and liability costs to provide the services in the prime cost or provisional sum item. **(ii) Items that will not be measured separately**

There are no activities mentioned in this section that are not measured in this Section.

(iii) Items to be measured and paid for using items specified elsewhere in the specifications

There are no payment related items mentioned in this Section that are measured in other Sections of the specifications. **(iv) Items specifically for this Section of the specifications.**

Item	Description	Unit
C1.3.1	The Contractor's general obligations	
C1.3.1.1	Fixed obligations	lump sum
C1.3.1.2	Value-related obligations	lump sum
C1.3.1.3	Time-related obligations	month

The lump sums under items C1.3.1.1 and C1.3.1.2 and the contract rate per month for item C1.3.1.3 shall together include full compensation for all the Contractor's costs, charges, overheads and profits in respect of all the Contractor's General Obligations as specified in Clause A1.3.2.

The unit of measurement for item C1.3.1.1 is the lump sum. The lump sum shall include full compensation for the fixed part of the Contractor's general obligations, i.e. that part which is substantially fixed and is not a function of the value of the Works or of the time required for the completion of the Contract.

Payment of this lump sum will be made in three instalments, as follows:

- The first instalment, 50 % of the lump sum, will be paid after the Contractor has completed the establishment of the construction camps, site offices, laboratories and housing, has provided the personnel, staff and equipment required to commence the Works in accordance with all the specified requirements and has made a substantial start with construction of the Works in accordance with the approved programme.

- The second instalment, 35 % of the lump sum, will be paid when the value of the Work done reaches one half of the Contract Amount, excluding contingencies and price adjustments in terms of the Contract Documentation.
- The third and final instalment, 15 % of the lump sum, will be paid when the Works have been completed and taken over by the Employer.

FACILITIES FOR THE ENGINEER

the Engineer's site accommodation, laboratories and offices are temporary buildings provided on site, or existing buildings on or near the site. Together with the required water, sewage, telecommunication, internet and electricity services these shall be known as the Engineer's site facilities. (The Engineer's site facilities shall be provided by the Contractor for the duration of the Contract to house the Engineer's site personnel, accommodate all the materials testing equipment required to carry out the Engineer's acceptance control testing and to provide office space for the Engineer's site personnel.)

the Engineer shall furnish the Contractor with full details, in writing, regarding the number, type, layouts and furnishing of all site accommodation, laboratories and offices required for the use of the Engineer's site personnel.

The Contractor shall be responsible for the selection and purchase of all materials required to provide the Engineer's site facilities. The Contractor shall ensure that the specified standards are met and that all applicable legislative and regulatory requirements, building standards and health and safety requirements are complied with.

The Contractor shall maintain the Engineer's office, laboratory and site accommodation facilities in a clean, neat and tidy condition for the duration of the Contract. The Contractor shall also maintain all the access roads to the Engineer's site facilities including any publicly or privately owned roads that the Engineer is making use of. Depending on the initial condition of the access roads this may entail repairing any potholes and edge breaks of surfaced roads or the re-gravelling of the road and subsequently the regular watering, blading and rolling of the surface to maintain a firm surface without excessive corrugations and loose materials. The Contractor shall ensure that the access roads to the Engineer's facilities are always in a safe and passable condition for normal cars under all weather conditions. The Contractor shall provide all labour, equipment and material which may be necessary for keeping all the buildings in a neat and clean condition. To this end the Contractor shall provide cleaners and sanitary personnel and shall supply all soap, toilet paper, linen roller towels, cleaning aids and a refuse removal service. The Engineer's offices, laboratory buildings, kitchen, ablution units and any accommodation on site shall be cleaned daily. Any repairs required shall be made immediately following a request from the Engineer.

A1.5 ACCOMMODATION OF TRAFFIC

The Contractor may not commence any part of the Works until adequate provision has been made for the accommodation of vehicular, nonmotorised and pedestrian traffic. And shall provide and maintain access to all public and private properties which fall within or adjoin the Works at all times.

A1.5.3.3 Lane width

The clear width of any traffic lane which is provided along any section of a detour, a temporary deviation or any partial / half width construction area shall not be less than 3,5 m. If a lane width less than 3,5 m then temporary width restriction warning signs shall be erected at approved locations along the narrow section of the detour, temporary deviation or partial / half width construction areas.

A1.5.3.5 Legal requirements

All traffic accommodation arrangements shall also conform to the specifications and provisions given in the latest edition of the South African Road Traffic Signs Manual (SARTSM) and all other current legislation and regulations.

A1.5.3.6 Other traffic control measures ordered by the Engineer

The Engineer may instruct the Contractor to provide any other road sign, reflective tape, etc. not measured in standard payment items. Such road signs shall conform to the requirements given in Volume 2 of the SARTSM and/or specified in the Contract Documentation or by the Engineer in writing. To ensure that the travelling public is kept fully informed and warned on matters relating to the accommodation of traffic, construction sign posting and the effect of the construction on the free flow of traffic through the site, the Engineer may instruct the Contractor to arrange for advertising in the press, on the local radio stations and/or for other forms of publicity.

A1.5.3.7 Penalty events

Whenever the Contractor fails or refuses to take the necessary steps to ensure the safety and convenience of the public and/or to accommodate the traffic, pedestrians and non-motorised traffic and maintain the temporary detours, deviations, traffic accommodation facilities and traffic safety devices correctly in accordance with all the requirements and specifications given in the Contract Documentation, the Contractor shall be subject to the following penalty conditions:

A1.5.3.8 Property pegs and survey beacons

Temporary deviations shall be constructed so as not to damage or displace existing cadastral beacons or trigonometrical-survey beacons. In exceptional cases where this is not possible, the Contractor shall notify the Engineer in good time so that the Engineer can arrange to have them suitably referenced before they are displaced. Cadastral beacons shall be replaced at the cost of the Contractor, unless removal is specified by the Engineer.

A1.5.3.9 Right of way

The travelling public shall have the right of way on public roads, existing roads used as detours and on all temporary deviations for the entire contract period. The Contractor shall make use of approved methods to control the movement of the construction equipment and vehicles so as not to constitute a hazard on the road or impede the public right of way.

A1.5.3.10 Safety of the travelling public and the Contractor's employees

The safety of the travelling public, and of the Contractor's and the Engineer's employees is of paramount importance and shall take priority over all aspects of the Works. The Contractor shall be responsible for the safe and easy passage of all vehicular, non-motorised and pedestrian traffic past and/or over the Works in a manner which will protect the road users, pedestrians, the Contractor's employees and the Engineer's employees.

A1.5.3. 11 Services

Services affected by temporary deviations shall be located, protected and relocated in a similar manner as services affected by the permanent Works as specified in Clause A2.1.3.2 of Chapter 2. The requirements given in the Contract Documentation shall also be applicable to any services affected by the construction of temporary deviations.

A1.5.3.12 The use of public roads by the Contractor

The Contractor shall have the right to use public roads, including any detours and temporary deviations open to public traffic, subject to the provisions and restrictions specified in Clause A4.1.7.1 of Chapter 4 and in the Contract Documentation.

A1.5.3.13 Traffic over completed pavement layers and structures

Traffic over the completed pavement layers and structures on an uncompleted road shall be restricted to the vehicles and equipment required for the construction of the remaining Works. All construction vehicles will be restricted to the maximum axle loads permitted on public roads by the statutory provisions.

If it is necessary to temporarily accommodate public traffic over the completed pavement layers and structures on an uncompleted road this shall only be done if agreed to by the Engineer.

The Contractor shall be responsible for protecting and maintaining the pavement layers. Any damage to the layers shall be repaired or rectified at the Contractor's own cost unless the Engineer agrees in writing to pay for some or all of these costs.

A1.5.3.14 Vertical clearance

The minimum vertical clearance over any section of a temporary deviation shall be 5,2 m. If the minimum vertical clearance is less than 5,2 m then approved warning signage shall be erected at approved locations on the overhead obstruction itself as well as in advance of the obstruction. The advance warning signs shall be erected at distances of 1,0 km, 400 m and 200 m in advance of the overhead obstruction.

A1.5.6.3 Traffic safety vehicle

The traffic safety vehicle to be used for transporting, placing, relocating and removing the traffic accommodation facilities and the traffic safety devices shall be a truck with a load capacity of at least 5 tons fitted with:

A1.5.6.4 Traffic safety officer's vehicle

The traffic safety officer's vehicle shall be provided for his sole use to enable him to carry out his supervisory duties.

A1.5.7.3 Accommodation of traffic where the road is constructed in half or partial widths

Where, for reasons related to traffic, geometric or other restraints, the provision of a detour, or the construction of a temporary deviation alongside or in close proximity to the roadworks, is not possible or impracticable, the Contractor shall construct the Works on a half or partial width of the existing road so as to allow public and construction traffic to use that remainder of the road surface which is currently not under construction.

A1.5.7.6 Maintenance of existing roads used as detours

Where specified in the Contract Documentation, all existing roads used as detours by public traffic, and/or by the Contractor's vehicles, for bypassing the Site of the Works shall be maintained by the Contractor in a good and safe trafficable condition for the entire period during which such roads are used as detours. Maintenance of these roads used as detours shall include grass cutting, removal of rubbish, cleaning of all drains and culverts and repair of potholes and surface failures as instructed by the Engineer. Unless otherwise specified in the Contract Documentation the maintenance work shall also include the care and maintenance of all road markings, road signs, delineators and guardrails.

A1.5.7.8 Informing the road users

The Contractor shall on a continual basis, and at least one week prior to a major event, inform the road users of the intended road Works, construction period and accommodation of traffic arrangements through press releases in local and provincial newspapers and via local radio channels.

Any temporary road closures required for blasting operations, or for any other reason, shall also be advertised on sign boards erected in appropriate positions along the section of road to be closed at least fourteen calendar days prior to each closure.

A1.5.7.9 Lighting of construction access points during night work

Where work is required to be done during the night the Contractor shall make adequate provision for additional lighting to ensure that all vehicle and equipment entry and exit points are adequately lighted. The Contractor shall provide floodlights to ensure that a minimum 200 lux lighting level is provided at all these areas.

The floodlights must be mounted on masts at least 9m high to ensure that they illuminate the required areas without being directed into the vision of oncoming drivers.

A1.5.7.10 Construction of temporary deviations

a) General

The construction of temporary deviations shall be done in conformance with the requirements and specifications given in this section as well as in other relevant chapters of this Standard Specification as follows:

The proposed location and layout of all temporary deviations, including the signage required, shall be agreed with the Engineer before construction of the temporary deviation commences.

A1.5.7.12 Traffic safety officer

The Contractor shall appoint a knowledgeable, experienced and conscientious person as his traffic safety officer who shall be responsible for the arrangements and maintenance of all accommodation of traffic measures required for the duration of the contract. The Contractor shall submit details of the person's qualifications, training and experience to the Engineer for comment before appointing him.

A4.1 BORROW MATERIALS

PART A: SPECIFICATIONS

A4.1.1 SCOPE

A4.1.7.2 Borrow pit and quarry operations

a) General control at the borrow pits and quarries

The Contractor shall be responsible for controlling operations at every borrow pit and quarry to ensure compliance with all the requirements of the statutory authorisation, approvals and the Contract Documentation. Sufficient tests shall be conducted on the excavated material to ensure that the quality of the material complies with the specified requirements for the particular layer for which it will be used. The test results shall be delivered to the Engineer for review.

The Contractor shall have a full time or part time materials manager to conduct and manage the duties for the control at the borrow pits and quarries. The requirements for the materials manager, whether the person shall be an engineering geologist, engineer, a senior materials technician or a senior general foreman, and the required qualifications and experience of the materials manager, shall then also be specified.

Selection and excavation of material in borrow pits

Once the material compliant for the works is exposed in a borrow pit, the Contractor shall:

- Plan the utilisation in such a manner that the pioneer and fill material can be selected, excavated and loaded directly for use on the road. Only after approval, where the fill layers cannot be constructed immediately or for reasons beyond the Contractor's control, shall the material be temporarily stockpiled. The Contractor shall cease excavation of the fill material until it can be processed on the road, at no cost to the Employer.
- For all the pavement layer materials the Contractor shall always select, excavate, remove and place the material into compliant separate stockpiles to provide a uniform material, prior to removal of the material to the road. Where it is not feasible to stockpile the material within the borrow pit or borrow pit area the Engineer shall designate other temporary stockpile areas elsewhere outside the borrow pit area. Measurement and payment shall be made for this stockpile activity.
- Control the rehabilitation and closure of the borrow pit.

l) Use of the borrow material

The results of laboratory tests, trial pits and borehole drilling of materials carried out during the design stage are included in the Contract Documentation. The results and other information give a preliminary indication as to the purpose for which and where the material shall be used. The Engineer shall give final instructions during construction regarding the use of the borrow material.

m) Closing of the borrow pits and quarries

The operations and requirements for shaping, finishing, rehabilitation and closure of the borrow pits and quarries after the removal of the road construction material is completed, are contained in the borrow pit and quarry plans approved by the control authority and shall be complied with.

CHAPTER 5: EARTHWORK & PAVEMENT LAYERS CONSTRUCTIONS

SECTIONS 5 . 1: ROADBED

BA5.1.3.1 ROADBED MATERIAL INVESTIGATION

Add the following:

"Visual assessments for existing road conditions have been done of the gravel roads, it is envisaged that ground conditions are favourable. However additional testing of suspect ground conditions will be conducted in certain areas and roadbed treatment adjusted accordingly."

BA 5.3.3.2 USE OF MATERIAL

Add the following after the first paragraph:

The material classification for pavement layers under this contract shall be as follows:

- C3 Subbase compacted to 97% MOD AASHTO density, comprising of G5 material or higher.
- G1 base layer compacted to 88% ARD

BA 5.4.5.3 Cementitious Stabilising Agents

Remove the ^{1as} sentence and replace with the following:

"Samples of all materials to be stabilised will be provided to the Engineer's laboratory for testing and compilation of stabilisation mix design, prior to commencement of any trial sections."

Add the following:

"Where reference is made in this Specification or the Standard Specifications to the cement specifications, e.g. SASS 471: Portland cement and rapid hardening Portland cement, it shall be replaced with the new specification :

SASS ^{ENV} 197-1 "Cement compositions, specifications and conformity criteria, Part1 : Common cements.

On this Contract CEM " 32.5 AL or available approved alternative shall be used for stabilisation purposes"

BA 5.4.5.5 Water for Stabilisation

Add the following:

"Provision of construction water is the responsibility of the contract and thus all tests and quality assurance procedures are to be done by him/her. No additional cost will be made in leu of testing possible water sources."

BA 5.4.7.3 Chemical Pre-treatment and Stabilisation

Amend as follows:

"Apply of cementitious agent by mechanical means will not apply on this contract unless prior approval is granted by the project manager, in leu of time constraints on the contract. All stabilisation and/or modifying agents are to be applied by hand to increase job creation."

BA 5.4.7.7 Protection and curing of chemically stabilised layers

Amend as follows:

"items b,c,d will not apply unless prior approval has been granted by the project manger on a case by case basis."

CHARPTER9: ASPHALTLAYERS

SECTION 9.1 : ASPHALT LAYERS

BA 9.1.5 MATERIALS

A9.1.5.2 Bituminous binders for asphalt mixes

Add the following

"The binders to be used shall be as follows:

- a) Continuously graded surfacing course: 60/70-penetration grade bitumen.
- b) Continuously graded base: 40/50-penetration grade bitumen."

BA 9.1. 7.4 TRANSPORTING OF ASPHALT

Add the following paragraph:

"Special precautions shall be taken by the contractor to ensure that the temperature of the total mass of asphalt does not decrease by more than 10C from point of dispatch to the point where it is to be paved. The use of thermal blankets is obligatory."

The Contractor shall ensure that trucks used to haul asphalt are not overloaded and the legal axle loads are not exceeded. Before any asphalt can be transported, the Contractor must provide the Engineer with the certified carrying capacity of each truck intended for the purpose of transporting the mix. The Contractor shall provide the Engineer with a weighbridge ticket before discharging into the paver hopper.

Any truck that is overloaded shall be penalised as set out below:

A penalty shall be applied at a rate twice the Contractor's tendered rate for placing the mix under items 42.01, 42.02, 42.10 and/or 42.11. For the purposes of the calculation, the so called 5% grace shall not be used. The penalty shall be R5000/t or *pro rata*/part-ton of overloaded product as calculated as per the following example:

Tare weight of vehicle certified by official traffic department weighbridge = 6t
Maximum carrying capacity certified by official traffic department weighbridge = 8t

Gross vehicle mass	= 14t
Actual load (weighbridge ticket)	= 14,6t
Overload	= 0,6t
Flat rate	= R5000/t

$$\begin{aligned}\text{Penalty} &= 5000/\text{t} \times 0,6 \text{ tons} \\ &= \text{R } 3000\end{aligned}$$

BA 9.1.7.9 JOINTS

Add the following to this clause:

"Where the difference in level between the new work and the existing road surface exceeds 25mm, joints shall be treated as follows:

Transverse steps at the end of a day's work shall be tapered off at a slope of 1 vertical to 20 horizontal (1 :20) to tie in with the existing surface. The tapered section shall be removed before surfacing is recommenced and a joint formed in accordance with clause 4208 of the specification.

Longitudinal joints exposed to traffic shall be provided with a taper of compacted asphalt material over the full length of the exposed joint. The width of the taper shall be at least 5 times the difference in level between the old and new work.

All costs involved in the provision and removal of these temporary ramps shall be deemed to have been included in the rates tendered for the relevant asphalt pay item."

BA 9.1.8.8 SAMPLING

Add the following subclause:

"(a)Special tests

n-Heptance-Xylene Equivalent (Spot test) (AASHTO-T102)

If the engineer suspects that bitumen or asphalt has been overheated, he may order that the bitumen, or the bitumen recovered from the asphalt, be subjected to the Spot Test. Recovery of binder for use in the Spot Test shall be carried out according to an approved method.

Any bitumen having an n-Heptance-Xylene equivalent in excess of 36, or in excess of the manufacturers test result on the dispatched stock, shall be considered to have been overheated and shall be deemed to be rejected unless proven otherwise."

C9.1 ASPHALT LAYERS

PART C: MEASUREMENT AND PAYMENT

Amend the following payment items:

"ITEM"	UNIT
BC 9 . 1 . 5 . 1	
Asphalt Surfacing: New Construction	ton
(a) Stone Skeletal mix -- Continuously graded 30mm thick, 60/70 penetration grade bitumen and aggregate of 4,75 (maximum size)	
.....	
..... (t o n)	

Replace first paragraph with the following:

The unit of measure for sub-item (a) shall be the ton of asphalt overlay placed to the nominal thickness specified and measured according to certified weighbridge tickets issued in respect of the mixture used.

Construction method shall be by means of mechanical propelled asphalt paver meeting all specifications and inspections by the engineer.

No payment shall be made for excess width and wastage of asphalt, and the mass of such excess or wasted material shall be deducted from the recorded delivery for payment purposes.

No payment shall be made for asphalt in excess of the mean spread rate(s), which shall be determined as follows on the following page:

$$s = \frac{1000m/t}{A \times B}$$

where:

- s = Mean spread rate in m/t
 A = Average bulk relative density achieved on the road in Um³
 B = (specified asphalt thickness in mm) + 5mm".

"The tendered rate shall also include full compensation for joint forming, temporary ramping of construction joints between paving operations when new work is opened to traffic (including ramping material), breaking up and disposal of temporary ramps and waste material, weighing the material on the specified weighbridge and cleaning the surface."

ITEM	DESCRIPTION	UNIT
BC 9.1.17 (t)	Penalty for overloading	ton

The unit of measurement for the calculation of the penalty shall be R5000/t or pro rata amount/part-ton as indicated in clause B4206(c)."

CHAPTER10: SURFACE TREATMENTS

SECTION 10.1: GENERAL REQUIREMENTS FOR SURFACE TREATMENTS

BA10.1.1 SCOPE

Add the following:

"On this project the double seal shall consist of a precoated 20,0 mm aggregate (ALO > 12,0 mm) with tack coats of Class S-E1 modified binder, followed by a precoated 10 mm aggregate with penetration layers of Class SE-1 modified binder. The final fog spray shall be a 30% spray-grade anionic emulsion."

BA10.1.3.1 REQUIREMENTS PERTAINING TO ALL SURFACE TREATMENTS

Add the following:

" all plant and equipment to be utilised for sealing operations are to be thoroughly inspected for any diesel and oil leaks by the engineer prior to sealing operations. The contractor is to submit with his method statement a list of back-up plant for any plant and equipment utilised on sealing operations."

BA 10.1.3.2 Weather Limitations

Add the following limitations:

"Seal work using bitumen rubber or polymer modified binder shall not be permitted during the months of May, June, July and August.

Winter grade binders shall not be used in any seal work and the Contractor's programme shall reflect this limitation.

Extra care shall however be necessary during the winter period (April to September) to ensure the success of the temporary seal and surfacing on the milling sections and the minimum measures that the Contractor shall adhere to includes the following:

Sealing during daytime (spray application): 10 °C rising surface temperature.

Do not seal during windy conditions and/or eminent raining conditions

Ensuring that the chip spreader is right behind the sprayer. If not, the operation shall immediately be halted by the Engineer

The backfilling teams shall complete a section prior to commencement of spraying the following section

Maximum length to be sprayed will be restricted to 200m

Recommended rolling methods :

Firstly	Steel wheel rollers
Secondly	Drag broom
Thirdly	Pneumatic rollers
Fourthly	Normal mechanical broom
Fifthly	2" rolling by steel rollers, before application of fog spray.

Trucks shall not interfere / obstruct any rollers on the sprayed sections. Rollers must be able to cover the full extent of the sprayed section

All excess stone must be swept off the road between 18 and 24 hours after construction of the seal

These precautions are necessary to ensure proper adhesion before the binder becomes too cold to be receptive to the stone and to minimize the risk of trapping

water under the strain-alleviating membrane interlayer (SAMI). In terms of the temperatures, the day and overnight temperatures will be dictating whether such construction is at all possible or not.

The Contractor is advised that weather information from the closest weather station should be gathered and the typical average, maximum and minimum on a month-to-month basis be evaluated to predict what can typically be expected. The day - night sinusoidal temperature curves will give the Contractor an indication when work typically can commence and should be stopped. This information shall be required to accompany the weekly programme of the SAMI work.

Whilst the above measures are mainly aimed at the winter period (April to September), they shall also apply to the summer period, with the exception of the sprayer pull restriction of 200m."

BA 10.1.3.7 Decatron of working area

Remove second paragraph and replace with the following:

Before the tack coat and first application of aggregate may be applied, the centreline of the road shall be demarcated by means of a clearly visible weatherable.

fibre rope, pegged down with nails driven into the existing surface at intervals of 1.5 m on straight sections and 3 m apart on curves.

The demarcating rope shall be removed prior to the application of the tack coat and aggregate on the adjacent lane. Payment for the demarcation shall be deemed to be included in the rates."

BA 10.1.3.11 Opening to Traffic

"add the following paragraphs:

Recommended opening of road to traffic :

Seal to be exposed gradually (in stages) to traffic

On first night after completion of seal, low traffic on the seal

On the following two days during day time, only open to traffic when road temperatures exceed 10C.

Close section during night

On third day following completion of seal, open road again in the morning. Depending on temperature of the seal, road can remain open onwards from this night.

BA 10 . 1 . 5 . 14 Precoating of hydrophilic aggregates

(c) Precoating of aggregate stockpiles

Add the following:

Pre-coating of aggregate shall be undertaken a minimum of 4 days ahead of sealing operations to allow the aggregates to dry out properly before application. No free pre-coating fluid shall be observed when the aggregate is inspected by hand.

SECTION H : GENERIC LABOUR-INTENSIVE SPECIFICATION

The Generic Labour-intensive specification below is the same as SANS 1921-5, Construction and management requirement for works contracts- Part 5: Earthworks activities which are to be performed by hand and should be included in the Scope of Works without amendment or modification as set out below.

H1001 SCOPE

This specification establishes general requirements for activities which are to be executed by hand involving the following:

- i) trenches having a depth of less than 1,5 meters
- ii) stormwater drainage
- iii) low-volume roads and sidewalks
- iv) Traffic accommodation on low, medium and high traffic volume roads
- v) Patch works
- vi) Road markings and road sign installation
- vii) Road furniture
- viii) Slurry seals, crack seal
- ix) General routine and periodic maintenance

H1002 PRECEDENCE

Where this specification is in conflict with any other standard or specification referred to in the Scope of Works to this Contract, the requirements of this specification shall prevail.

a) Hand-excavatable material is material:

- i) granular materials:
 - whose consistency when profiled may in terms of Table 1 be classified as very loose, loose, medium dense, or dense; or
 - where the material is a gravel having a maximum particle size of 10mm and contains no cobbles or isolated boulders, no more than 15 blows of a dynamic cone penetrometer is required to penetrate 100mm;
- ii) cohesive materials:
 - whose consistency when profiled may in terms of table 1 be classified as very soft, soft, firm, stiff and stiff / very stiff; or
 - where the material is a gravel having a maximum particle size of 10mm and contains no cobbles or isolated boulders, no more than 8 blows of a dynamic cone penetrometer is required to penetrate 100mm;

Note:

- 1) A boulder, a cobble and gravel is material with a particle size greater than 200mm, between 60 and 200mm.
- 2) A dynamic cone penetrometer is an instrument used to measure the in-situ shear resistance of a soil comprising a drop weight of approximately 10 kg which falls through a height of 400mm and drives a cone having a maximum diameter of 20mm (cone angle of 60° with respect to the horizontal) into the material being used.

Table 1: Consistency of materials when profiled

GRANULAR MATERIALS		COHESIVE MATERIALS	
CONSISTENCY	DESCRIPTION	CONSISTENCY	DESCRIPTION
Very loose	Crumbles very easily when scraped with a geological pick.	Very soft	Geological pick head can easily be pushed in as far as the shaft of the handle.
Loose	Small resistance to penetration by sharp end of a geological pick.	Soft	Easily dented by thumb; sharp end of a geological pick can be pushed in 30-40mm; can be moulded by fingers with some pressure.
Medium dense	Considerable resistance to penetration by sharp end of a geological pick.	Firm	Indented by thumb with effort; sharp end of geological pick can be pushed in up to 10mm; very difficult to mould with fingers; can just be penetrated with an ordinary hand spade.
Dense	Very high resistance to penetration by the sharp end of geological pick; requires many blows	Stiff	Can be indented by thumb-nail; slight indentation produced by pushing geological pick point into soil; cannot be moulded by fingers.
Very dense	High resistance to repeated blows of a geological pick.	Very stiff	Indented by thumb-nail with difficulty; slight indentation produced by blow of a geological pick point.

b) Trench excavation

All hand excavatable material in trenches having a depth of less than 1,5 meters shall be excavated by hand.

c) Compaction of backfilling to trenches (areas not subject to traffic)

Backfilling to trenches shall be placed in layers of thickness (before compaction) not exceeding 100mm. Each layer shall be compacted using hand stampers

- to 90% Proctor density;
- such that in excess of 5 blows of a dynamic cone penetrometer (DCP) is required to penetrate 100 mm of the backfill, provided that backfill does not comprise more than 10% gravel of size less than 10mm and contains no isolated boulders, or
- such that the density of the compacted trench backfill is not less than that of the surrounding undisturbed soil when tested comparatively with a DCP.

d) Excavation

All hand excavatable material including topsoil classified as hand excavatable shall be excavated by hand. Harder material may be loosened by mechanical means prior to excavation by hand. The excavation of any material which presents the possibility of danger or injury to workers shall not be excavated by hand.

e) Clearing and grubbing

Grass and small bushes shall be cleared by hand.

f) Shaping

All shaping shall be undertaken by hand.

g) Loading

All loading shall be done by hand, regardless of the method of haulage.

h) Haul

Excavation material shall be hauled to its point of placement by means of wheelbarrows where the haul distance is not greater than 150 m.

i) Off-loading

All material, however transported, is to be off-loaded by hand, unless tipper trucks are utilised for haulage

j) Spreading

All material shall be spread by hand.

k) Compaction

Small areas may be compacted by hand provided that the specified compaction is achieved.

l) Grassing

All grassing shall be undertaken by sprigging, sodding, or seeding by hand.

m) Stone pitching and rubble concrete masonry

All stone required for stone pitching and rubble concrete masonry, whether grouted or dry, must to be collected, loaded, off loaded and placed by hand.

Sand and stone shall be hauled to its point of placement by means of wheelbarrows where the haul distance is not greater than 150m. Grout shall be mixed and placed by hand.

n) Manufactured Elements

Elements manufactured or designed by the Contractor, such as manhole rings and cover slabs, precast concrete planks and pipes, masonry units and edge beams shall not individually, have a mass of more than 320kg. In addition, the items shall be large enough so that four workers can conveniently and simultaneously acquire a proper hand hold on them.

Table 2: Skills programme for supervisory and management staff

Personnel Level	NQF	Unit standard titles	Skills programme description
Team leader/ Supervisor	2	Apply Labour-Intensive Construction Systems and Techniques to Work Activities	This unit standard must be completed, and
		Use Labour-Intensive Construction Methods to Construct and Maintain Roads and Stormwater Drainage	} any one of these unit standards
		Use Labour-Intensive Construction Methods to Construct and Maintain Water and Sanitation Services	
		Use Labour-Intensive Construction Methods to Construct, Repair and Maintain Structures.	
Foreman/ Supervisor	4	Implement Labour-Intensive Construction Systems and Techniques.	This unit standard must be completed, and
		Use Labour-Intensive Construction Methods to Construct and Maintain Roads and Storm water Drainage	} any one of these unit standards
		Use Labour-Intensive Construction Methods to Construct and Maintain Water and Sanitation Services	
		Use Labour-Intensive Construction Methods to Construct, Repair and Maintain Structures	
Site Agent/ Manager (i.e. the contractor's most senior representative that is resident on the site)	5	Manage Labour –Intensive Construction Processes	Skills Programme against this single unit standard

SECTION I: GUIDELINES FOR EPWP PROJECTS

Payment for the labour-intensive component of the Works

Payment for works identified in the Scope of Work as being labour-intensive shall only be made in accordance with the provisions of the Contract if the works are constructed strictly in accordance with the provisions of the Scope of Work. Any non-payment for such works shall not relieve the Contractor in any way from his obligations either in contract or in delict.

Applicable labour laws

The Ministerial Determination, Special Public Works Programmes, issued in terms of the Basic Conditions of Employment Act of 1997 by the Minister of Labour in Government Notice N° R63 of 25 January 2002, as reproduced below, shall apply to works described in the scope of work as being labour intensive and which are undertaken by unskilled or semi-skilled workers.

I1001. Introduction

- a) This document contains the standard terms and conditions for workers employed in elementary occupations on an Expanded Public Works Programme (EPWP). These terms and conditions do NOT apply to persons employed in the supervision and management of an EPWP.
- b) In this document –
 - "department" means any department of the State, implementing agent or contractor;
 - "employer" means any department, implementing agency or contractor that hires workers to work in elementary occupations on a EPWP;
 - "worker" means any person working in an elementary occupation on a EPWP;
 - "elementary occupation" means any occupation involving unskilled or semi-skilled work;
 - "management" means any person employed by a department or implementing agency to administer or execute an EPWP;
 - "task" means a fixed quantity of work;
 - "task-based work" means work in which a worker is paid a fixed rate for performing a task;
 - "task-rated worker" means a worker paid on the basis of the number of tasks completed;
 - "time-rated worker" means a worker paid on the basis of the length of time worked.

I1002. Terms of work

- a) Workers on an EPWP are employed on a temporary basis.
- b) A worker may NOT be employed for longer than 24 months in any five-year cycle on an EPWP.
- c) Employment on an EPWP does not qualify as employment as a contributor for the purposes of the Unemployment Insurance Act 30 of 1966.

I1003. Normal hours of work

- a) An employer may not set tasks or hours of work that require a worker to work–
 - more than forty hours in any week
 - on more than five days in any week; and
 - for more than eight hours on any day.
- b) An employer and worker may agree that a worker will work four days per week. The worker may then work up to ten hours per day.
- c) A task-rated worker may not work more than a total of 55 hours in any week to complete the tasks allocated (based on a 40-hour week) to that worker.

I1004. Meal breaks

- a) A worker may not work for more than five hours without taking a meal break of at least thirty minutes' duration.
- b) An employer and worker may agree on longer meal breaks.
- c) A worker may not work during a meal break. However, an employer may require a worker to perform duties during a meal break if those duties cannot be left unattended and cannot be performed by another worker. An employer must take reasonable steps to ensure that a worker is relieved of his or her duties during the meal break.
- d) A worker is not entitled to payment for the period of a meal break. However, a worker who is paid on the basis of time worked must be paid if the worker is required to work or to be available for work during the meal break.

I1005. Special conditions for security guards

- a) A security guard may work up to 55 hours per week and up to eleven hours per day.
- b) A security guard who works more than ten hours per day must have a meal break of at least one hour or two breaks of at least 30 minutes each.

I1006. Daily rest period

Every worker is entitled to a daily rest period of at least eight consecutive hours. The daily rest period is measured from the time the worker ends work on one day until the time the worker starts work on the next day.

I1007. Weekly rest period

Every worker must have two days off every week. A worker may only work on their day off to perform work which must be done without delay and cannot be performed by workers during their ordinary hours of work ("emergency work").

I1008. Work on Sundays and public holidays

- a) A worker may only work on a Sunday or public holiday to perform emergency or security work.
- b) Work on Sundays is paid at the ordinary rate of pay.
- c) A task-rated worker who works on a public holiday must be paid:
 - (i) the worker's daily task rate, if the worker works for less than four hours;
 - (ii) double the worker's daily task rate, if the worker works for more than four hours.

- d) A time-rated worker who works on a public holiday must be paid:
 - (i) the worker's daily rate of pay, if the worker works for less than four hours on the public holiday;
 - (ii) double the worker's daily rate of pay, if the worker works for more than four hours on the public holiday.

I1009. Sick leave

- a) Only workers who work four or more days per week have the right to claim sick pay in terms of this clause.
- b) A worker who is unable to work on account of illness or injury is entitled to claim one day's paid sick leave for every full month that the worker has worked in terms of a contract.
- c) A worker may accumulate a maximum of twelve days' sick leave in a year.
- d) Accumulated sick-leave may not be transferred from one contract to another contract.
- e) An employer must pay a task-rated worker the worker's daily task rate for a day's sick leave.
- f) An employer must pay a time-rated worker the worker's daily rate of pay for a day's sick leave.
- g) An employer must pay a worker sick pay on the worker's usual payday.
- h) Before paying sick-pay, an employer may require a worker to produce a certificate stating that the worker was unable to work on account of sickness or injury if the worker is:
 - (i) absent from work for more than two consecutive days; or
 - (ii) absent from work on more than two occasions in any eight-week period.
- i) A medical certificate must be issued and signed by a medical practitioner, a qualified nurse or a clinic staff member authorised to issue medical certificates indicating the duration and reason for incapacity.
- j) A worker is not entitled to paid sick-leave for a work-related injury or occupational disease for which the worker can claim compensation under the Compensation for Occupational Injuries and Diseases Act.

I1010. Maternity leave

- a) A worker may take up to four consecutive months' unpaid maternity leave.
- b) A worker is not entitled to any payment or employment-related benefits during maternity leave.
- c) A worker must give her employer reasonable notice of when she will start maternity leave and when she will return to work.
- d) A worker is not required to take the full period of maternity leave. However, a worker may not work for four weeks before the expected date of birth of her child or for six weeks after the birth of her child, unless a medical practitioner, midwife or qualified nurse certifies that she is fit to do so.

- e) A worker may begin maternity leave:
 - (i) four weeks before the expected date of birth; or
 - (ii) on an earlier date:
 - (a) if a medical practitioner, midwife or certified nurse certifies that it is necessary for the health of the worker or that of her unborn child; or
 - (b) if agreed to between employer and worker; or
 - (iii) on a later date, if a medical practitioner, midwife or certified nurse has certified that the worker is able to continue to work without endangering her health.
- f) A worker who has a miscarriage during the third trimester of pregnancy or bears a stillborn child may take maternity leave for up to six weeks after the miscarriage or stillbirth.
- g) A worker who returns to work after maternity leave, has the right to start a new cycle of twenty-four months' employment, unless the EPWP on which she was employed has ended.

I1011. Family responsibility leave

- a) Workers, who work for at least four days per week, are entitled to three days paid family responsibility leave each year in the following circumstances:
 - (i) when the employee's child is born;
 - (ii) when the employee's child is sick;
 - (iii) in the event of a death of:
 - (a) the employee's spouse or life partner;
 - (b) the employee's parent, adoptive parent, grandparent, child, adopted child, grandchild or sibling.

I1012. Statement of conditions

- a) An employer must give a worker a statement containing the following details at the start of employment:
 - (i) the employer's name and address and the name of the EPWP;
 - (ii) the tasks or job that the worker is to perform; and
 - (ii) the period for which the worker is hired or, if this is not certain, the expected duration of the contract;
 - (iv) the worker's rate of pay and how this is to be calculated;
 - (v) the training that the worker will receive during the EPWP.
- b) An employer must ensure that these terms are explained in a suitable language to any employee who is unable to read the statement.
- c) An employer must supply each worker with a copy of these conditions of employment.

I1013. Keeping records

- a) Every employer must keep a written record of at least the following:
 - (i) the worker's name and position;
 - (ii) in the case of a task-rated worker, the number of tasks completed by the worker;
 - (iii) in the case of a time-rated worker, the time worked by the worker;
 - (iv) payments made to each worker.
- b) The employer must keep this record for a period of at least three years after the completion of the EPWP.

I1014. Payment

- a) An employer must pay all wages at least monthly in cash or by cheque or into a bank account.
- b) A task-rated worker will only be paid for tasks that have been completed.
- c) An employer must pay a task-rated worker within five weeks of the work being completed and the work having been approved by the manager or the contractor having submitted an invoice to the employer.
- d) A time-rated worker will be paid at the end of each month.
- e) Payment must be made in cash, by cheque or by direct deposit into a bank account designated by the worker.
- f) Payment in cash or by cheque must take place:
 - (i) at the workplace or at a place agreed to by the worker;
 - (ii) during the worker's working hours or within fifteen minutes of the start or finish of work;
 - (iii) in a sealed envelope which becomes the property of the worker.
- g) An employer must give a worker the following information in writing;
 - (i) the period for which payment is made;
 - (ii) the numbers of tasks completed or hours worked;
 - (iii) the worker's earnings;
 - (iii) any money deducted from the payment;
 - (iv) the actual amount paid to the worker.
- h) If the worker is paid in cash or by cheque, this information must be recorded on the envelope and the worker must acknowledge receipt of payment by signing for it.
- i) If a worker's employment is terminated, the employer must pay all monies owing to that worker within one month of the termination of employment.

I1015. Deductions

- a) An employer may not deduct money from a worker's payment unless the deduction is required in terms of a law.
- b) An employer must deduct and pay to the SA Revenue Services any income tax that the worker is required to pay.
- c) An employer who deducts money from a worker's pay for payment to another person must pay the money to that person within the time period and other requirements specified in the agreement law, court order or arbitration award concerned.

d) An employer may not require or allow a worker to:

- (i) repay any payment except an overpayment previously made by the employer by mistake;
- (ii) state that the worker received a greater amount of money than the employer actually paid to the worker; or
- (iii) pay the employer or any other person for having been employed.

I1016. Health and safety

- a) Employers must take all reasonable steps to ensure that the working environment is healthy and safe.
- b) A worker must:
 - (i) work in a way that does not endanger his/her health and safety or that of any other person;
 - (ii) obey any health and safety instruction;
 - (iii) obey all health and safety rules of the EPWP;
 - (iv) use any personal protective equipment or clothing issued by the employer;
 - (v) report any accident, near-miss incident or dangerous behaviour by another person to their employer or manager.

I1017. Compensation for injuries and diseases

- a) It is the responsibility of the employers (other than a contractor) to arrange for all persons employed on a EPWP to be covered in terms of the Compensation for Occupational Injuries and Diseases Act, 130 of 1993.
- b) A worker must report any work-related injury or occupational disease to their employer or manager.
- c) The employer must report the accident or disease to the Compensation Commissioner.
- d) An employer must pay a worker who is unable to work because of an injury caused by an accident at work 75% of their earnings for up to three months. The employer will be refunded this amount by the Compensation Commissioner. This does NOT apply to injuries caused by accidents outside the workplace such as road accidents or accidents at home.

I1018. Termination

- a) The employer may terminate the employment of a worker for good cause after following a fair procedure.
- b) A worker will not receive severance pay on termination.
- c) A worker is not required to give notice to terminate employment. However, a worker who wishes to resign should advise the employer in advance to allow the employer to find a replacement.
- d) A worker who is absent for more than three consecutive days without informing the employer of an intention to return to work will have terminated the contract. However, the worker may be re-engaged if a position becomes available for the balance of the 24-month period.
- e) A worker who does not attend required training events, without good reason, will have terminated the contract. However, the worker may be re-engaged if a position becomes available for the balance of the 24-month period.

I1019. Certificate of service

- a) On termination of employment, a worker is entitled to a certificate stating:

- (i) the worker's full name;
- (ii) the name and address of the employer;
- (iii) the EPWP on which the worker worked;
- (iv) the work performed by the worker;
- (v) any training received by the worker as part of the EPWP;
- (vi) the period for which the worker worked on the EPWP;
- (vii) any other information agreed on by the employer and worker.

LOCALITY

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