

Munisipale Kantoor
 Privaatsak X12
 VREDENBURG, 7380
 Tel. No.(022) 701-7113
 Faks No.(022) 715-1304



Municipal Offices
 Private Bag X12
 VREDENBURG, 7380
 Tel. No.(022) 701-7113
 Fax No.(022) 715-1304

TENDER DOCUMENT

TENDER NO. SBM 29/25/26	
CONSTRUCTION (UPGRADING), REHABILITATION AND MAJOR REPAIR OF ROADWORKS AND ANCILLARY SERVICES IN THE SALDANHA BAY MUNICIPAL AREA FOR THE PERIOD 1 JULY 2026 TILL 30 JUNE 2029	
ESTIMATED DURATION	3 YEARS
CIDB GRADING	8CE OR HIGHER
NAME OF TENDERER	
BUSINESS ADDRESS	
TELEPHONE NUMBER	
CSD NUMBER	

CLARIFICATION MEETING DETAILS:

ADDRESS	Municipal Council Chambers, 12 Main Road, Vredenburg		
MEETING DATE	13 March 2026	MEETING TIME	12:00

SUBMISSION DETAILS:

ADDRESS	TENDER BOX, GROUND FLOOR, INVESTMENT CENTRE, 15 MAIN ROAD, VREDENBURG				
CLOSING DATE	02 April 2026	CLOSING TIME	12H00	TENDER BOX	GROUND FLOOR, INVESTMENT CENTRE, 15 MAIN ROAD, VREDENBURG

GENERAL INFORMATION

TENDER ADVERTISEMENT DATE	28 February 2026
CIDB CONTRACTOR GRADING DESIGNATION	8CE or Higher
CLOSING DATE	02 April 2026
CLOSING TIME	12h00
CLOSING VENUE	Tender Box: Ground Floor, Investment Centre, 15 Main Road, Vredenburg
CLARIFICATION MEETING	Compulsory clarification meeting on 13 March 2026 at the council chambers.
TENDER SUBMISSION	The tender document, fully completed in all respects, together with a valid Tax Clearance certificate plus any returnable and additional supporting documentation required, must be submitted in a sealed envelope with the name and address of the tenderer, the tender number and title and the closing date and time indicated on the envelope. The sealed envelopes must be inserted into the appropriate official tender box before the closing date and time.

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The Tender (Part T)

PART T1 Tender Procedures

- T1.1 Tender Notice and Invitation to Tender
- T1.2 Tender Data

PART T2 Returnable Documents (All documents / schedules are returnable)

- T2.1 List of Returnable Schedules Required for Tender Evaluation
- T2.2 Other Documents required for Tender Evaluation Purposes
- T2.3 Returnable Schedules that will be incorporated in the Contract

Tender Notice and Invitation to Tender (T1.1)

SALDANHABAAI MUNISIPALITEIT

TENDER NOMMER: SBM 29/25/26

TENDER BESKRYWING: KONSTRUKSIE (OPGRADERING), REHABILITERING EN GROOT HERSTELWERK EN BYKOMSTIGE DIENSTE IN DIE SALDANHABAAI MUNISIPALE ARE VIR DIE PERIODE 1 JULIE 2026 TOT 30 JUNIE 2029

Tender dokumente is beskikbaar om afgelaai te word op die e-Tender publikasie webtuiste www.etenders.gov.za of kan alternatiewelik verkry word by Mev. Rosaire Farmer, Hoofstraat 15, Beleggingsentrum, Vredenburg vanaf **Maandag, 02 Maart 2026**.

Indien tender dokumente verkry word, moet 'n nie-terugbetaalbare tender deposito van R295.00 betaal word aan Saldanhabaai Munisipaliteit. 'n Bewys van betaling moet aangebied word vir die verkryging van tender dokumente.

Navrae: Eugene Adams

E-pos: eugene.adams@sbm.gov.za

'n Verpligte inligtingsessie sal plaasvind in die Munisipale Raadsaal, geleë te Hoofstraat 12, Vredenburg op **Vrydag, 13 Maart 2026** stiptelik om 12H00. **Geen grasië periode sal toegelaat word nie.**

Tenders moet in die tenderbus by die Beleggingsentrum, Hoofstraat 15, Vredenburg ingedien word **voor 12H00 op Donderdag, 02 April 2026** en moet in 'n geseëde koevert wees waarop daar aan die buitekant duidelik gemerk is die bovermelde tender nommer en beskrywing.

Na die sluitingsuur sal die tenders in die publiek oopgemaak word. Enige of die laagste tender sal nie noodwendig aanvaar word nie.

'n CIDB-gradering van **8 CE of hoër** word benodig hierdie tender. Heg asseblief 'n bewys van u gradering aan die tender dokument.

Die 90/10 voorkeur-puntestelsel soos vervat in die Voorkeur Verkrygings Beleid, R8/5-25, van 29 Mei 2025 sal in die beoordeling van hierdie tender gebruik word.

'n Geldige inkomstebelasting uitklaringsertifikaat, soos uitgereik deur die Suid-Afrikaanse Inkomstediens, moet tesame met die tender dokument ingehandig word, en die tenderaar moet voldoen aan die belastingvoorwaardes op die Sentrale Verskaffers Databasis (CSD).

Mnr. H. Mettler
MUNISIPALE BESTUURDER
Munisipaliteit Saldanhabaai
Privaatsak X 12
Vredenburg
7380

SALDANHA BAY MUNICIPALITY

TENDER NUMBER: SBM 29/25/26

TENDER DESCRIPTION: CONSTRUCTION (UPGRADING), REHABILITATION AND MAJOR REPAIR OF ROADWORKS AND ANCILLARY SERVICES IN THE SALDANHA BAY MUNICIPAL AREA FOR THE PERIOD 1 JULY 2026 TILL 30 JUNE 2029

Tender documents can be downloaded from the e-Tender publication portal at www.etenders.gov.za or alternatively can be collected from Mrs. Rosaire Farmer, 15 Main Road, Investment Centre, Vredenburg from **Monday, 02 March 2026**.

If tender documents are collected, a non-refundable tender deposit of R295.00 is payable to Saldanha Bay Municipality. A proof of deposit is required for the collection of tender documents.

Enquiries: Eugene Adams

Email: eugene.adams@sbm.gov.za

A compulsory information session will take place at the Municipal Council Chamber, situated in 12 Main Road, Vredenburg on **Friday, 13 March 2026** promptly at 12H00. **No grace period will be allowed.**

Tenders must be placed in the tender box at the Investment Centre, Ground Floor, 15 Main Road, Vredenburg, **before 12H00 on Thursday, 02 April 2026**, in a sealed envelope upon the outside whereon is clearly marked the above-mentioned tender number and description.

The tenders shall be opened in the public after the closing hour. Any or the lowest tender will not necessarily be accepted.

A CIDB grading of **8 CE or higher** is required for this tender. Please provide proof of the grading and attach it to the tender document.

The 90/10 preference point system as contained in the Preferential Procurement Policy, R8/5-25, of 29 May 2025 will be used in the adjudication of this tender.

A valid tax clearance certificate, from the South African Revenue Services, must be supplied with the tender document and the tenderer must be tax-compliant on the Central Supplier Database (CSD).

Mr. H. Mettler
MUNICIPAL MANAGER
Saldanha Bay Municipality
Private Bag X 12
VREDENBURG
7380

Tender Data (T1.2)

The Conditions of Tender are **The Standard Conditions of Tender as contained in Annex C of Government Gazette No. 42622 of 8 August 2019** of the **CIDB Standard for Uniformity (2019) in Engineering and Construction Works Contracts**.(see www.cidb.org.za).

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.

The following variations, amendments and additions to the Standard Conditions of Tender as set out in the Tender Data below shall apply to this tender:

Clause Number	Description
C.1.	<p>General</p> <p>Add the following:</p> <p>The Employer is: Saldanha Bay Municipality Private Bag X12 VREDENBURG 7380</p>
C.1.2	<p>Tender documents</p> <p>Add the following:</p> <p>The Tender documents issued by the Employer comprise:</p> <p><u>Part T: The Tender</u> Part T1: Tender Procedures T1.1 Tender notice and invitation to Tender T1.2 Tender data Part T2 : Returnable Documents (All Documents / Schedules are Returnable) T2.1 List of Returnable Schedules Required for Tender Evaluation T2.2 Other documents required for Tender Evaluation Purposes T2.3. Returnable Schedules that will be Incorporated in the Contract <u>Part C: The Contract</u> Part C1: Agreement & Contract Data C1.1 Form of acceptance C1.2 Contract data C1.3 Objections and Complaints form C1.4 Performance Guarantee</p>

	<p>Part C2: Pricing Data C2.1 Pricing instructions C2.2 Pricing Schedule</p> <p>Part C3: Scope of work C3.1 Description of works</p>
C.1.4	<p>Communication and employer’s agent</p> <p>Add the following:</p> <p>The contact details of the employer’s agent are:</p> <p>Name: Mr. E. Adams Tel: 022 701 6828 Email: eugene.adams@sbm.gov.za</p> <p>Department: Roads and Stormwater (Infrastructure Planning Services) Saldanha Bay Municipality Private Bag X12 VREDENBURG 7380</p>
C.1.5.2	Remove
C.1.5.3	Remove
C.1.6	<p>Procurement Procedures</p>
C.1.6.1	<p>General</p> <p>Add the following:</p> <p>The Employer intends to appoint one main tenderer (the highest ranked tenderer (“the winner”) for the allocation of work on a “winner-takes-all” basis or not to appoint a winner at all. The main contractor, once appointed and subject to operational requirements, will be invited to execute the Works identified by the client within the boundaries of Saldanha Bay Municipality.</p> <p>The term contract period shall be for a period from 01 July 2026 till 30 June 2029.</p>

C.1.6.2	<p>Remove and replace with:</p> <p>Price and preference: 90/10 Points (Tenders > R 50 000 000)</p> <p>Calculation:</p> $Ps = 90 \left(1 - \frac{Pt - Pmin}{Pmin} \right)$ <p>Where: Ps = Point scored for price of Tender under consideration Pt = Rand value of Tender under consideration Pmin = Rand value of the lowest acceptable Tender</p> <p>Preference points will be 5 points for B-BBEE and 5 points for locality.</p> <p>This contract is rates based. The tender will be evaluated by means of a basket of rates (mock project) to determine value for money. The total cost over the three years for a mock project will be used for evaluation purposes by means of the fixed year 1 rates and the escalated percentages of years 2 and 3 provided by the bidder. Note: Quantities in the pricing schedule are 1 and thus a quantity column is not included.</p>
C.1.6.3	Remove
C.2	Tenderer's obligation
C.2.1 C.2.1.3	<p>Eligibility</p> <p>Add:</p> <p>Only those tenderers who satisfy the following criteria will be declared responsive: Construction Industry Development Board (CIDB) Registration Only those tenderers who are registered with the CIDB, or capable of being so at tender submission, in a contractor grading designation equal to or higher than an 8 CE contractor grading designation, are eligible to have their tenders evaluated. Proof to be attached under annexure 10.</p>
C.2.1.4	<p>Add:</p> <p>Joint Ventures are eligible to submit tenders provided that:</p> <ol style="list-style-type: none"> every member of the joint venture is registered with an active status with the CIDB; the lead partner has a contractor grading designation of not lower than one level below the required grading designation in the 8CE class of construction work; and the combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than an 8CE contractor grading designation.

C.2.1.5	<p>Add:</p> <p>Good standing with Bargaining Council</p> <p>Only those tenders submitted by tenderers who are in good standing with the Bargaining Council for the Civil Engineering Industry (BCCEI) at the time of the tender submission will be declared responsive. Tenderers must attach such proof with this tender under annexure 11, failing which their tenders will be declared non-responsive.</p>		
C.2.2 C.2.2.3	<p>Cost of tendering</p> <p>Add:</p> <p>Tender documents can be downloaded from the eTender publication portal at www.etenders.gov.za or alternatively can be collected at a non-refundable tender deposit rate payable to Saldanha Bay Municipality. Payment for tender documents must be made in cash or a payment into Saldanha Bay Municipality's bank account payable to the Saldanha Bay Municipality. These costs are non-refundable. No unauthorised alteration of this set of tender documents will be allowed. Any unauthorised alteration will disqualify the tender automatically.</p>		
C.2.3	<p>Check documents</p> <p>Delete the clause and replace with the following:</p> <p>The Tenderer should check the tender documents on receipt for completeness, missing or duplicated pages, indistinct figures or writing and any obvious errors. The Tenderer must notify the Employer's agent at once of any such problems identified.</p>		
C.2.7	<p>Clarification meeting</p> <p>Add:</p> <p>Site or information meetings are compulsory. Bids will not be accepted from bidders who have not attended the site or information meeting on the specified date.</p> <p>A compulsory clarification meeting will be held on Friday, 13 March 2026 at 12H00.</p>		
C.2.8	<p>Seek Clarification</p> <p>Replace:</p> <table border="1" data-bbox="387 1644 1433 1951"> <tr> <td data-bbox="387 1644 914 1951"> <p>Request for clarification on the tender document, if necessary, please notify the employer at least seven (7) working days before the closing time per e-mail to both the following persons: Mr. E. Adams Engineer: Roads and Stormwater Email: eugene.adams@sbm.gov.za</p> </td> <td data-bbox="914 1644 1433 1951"> <p>Mrs. R. Farmer Bid Administrator: Specifications Email: rosaire.farmer@sbm.gov.za</p> </td> </tr> </table>	<p>Request for clarification on the tender document, if necessary, please notify the employer at least seven (7) working days before the closing time per e-mail to both the following persons: Mr. E. Adams Engineer: Roads and Stormwater Email: eugene.adams@sbm.gov.za</p>	<p>Mrs. R. Farmer Bid Administrator: Specifications Email: rosaire.farmer@sbm.gov.za</p>
<p>Request for clarification on the tender document, if necessary, please notify the employer at least seven (7) working days before the closing time per e-mail to both the following persons: Mr. E. Adams Engineer: Roads and Stormwater Email: eugene.adams@sbm.gov.za</p>	<p>Mrs. R. Farmer Bid Administrator: Specifications Email: rosaire.farmer@sbm.gov.za</p>		

C.2.9	<p>Add:</p> <p>INSURANCE, POSSESSION AND RISK</p> <p>The service provider accepts possession, subject and limited to the intent and purpose of this Contract, of demarcated area/s of SALDANHA BAY land on the agreed commencement date, from which date the service provider shall be liable to take out appropriate risk insurance, public liability, professional indemnity insurance, but not limited to the latter pertaining to its activities within the demarcated area/s.</p> <p>The service provider shall take out adequate insurance cover against all risks assumed by it in terms of this Contract and to fulfill its obligations in terms of clause above, before the commencement of the works and for the duration of this Contract and deliver proof of such insurance to SALDANHA BAY from time to time, including proof of the due payment of all premiums due from time to time. The contractor shall cede all its rights in the said insurance policy to SALDANHA BAY for the duration of this Contract.</p> <p>The service provider shall not be liable for the payment of any other rates, taxes, service charges, and/or any levies imposed by SALDANHA BAY and/or any local and/or any other competent authority upon or in connection with the property and/or the improvements to be erected thereon.</p>
C.2.11	<p>Alterations to documents</p> <p>Add:</p> <p>Any ambiguity has to be cleared with the contact person for the tender before the tender closure.</p>
C.2.12	Remove
C.2.13. C.2.13.2	<p>Submitting a tender offer</p> <p>Amend:</p> <p>Return all returnable documents to the employer after completing them in their entirety in writing legibly in non-erasable ink and the pricing schedule in excel. The pricing schedule completed in non-erasable ink will govern.</p>
C.2.13.3	<p>Amend:</p> <p>Submit the tender offer communicated as an original 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. A copy of the complete tender document and signed contract must be provided after award.</p>

C.2.13.5	<p>Amend:</p> <p>The 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.</p> <p>Add:</p> <p>Location of Tender box: SALDANHA BAY MUNICIPALITY, Investment Centre, Ground Floor, 15 Main Road, Vredenburg, 7380.</p> <p>Physical address: Municipal offices, Investment Centre, 15 Main Road, Vredenburg, 7380.</p> <p>Identification details: TENDER SBM 29/25/26: CONSTRUCTION (UPGRADING), REHABILITATION AND MAJOR REPAIR OF ROADWORKS AND ANCILLARY SERVICES IN THE SALDANHA BAY MUNICIPAL AREA FOR THE PERIOD 1 JULY 2026 TILL 30 JUNE 2029.</p>
C.2.13.6	Remove
C.2.13.7	Remove
C.2.15	Closing Time
C.2.15.1	<p>Amend:</p> <p>The closing time for submission of Tender offers is 12H00 on Thursday, 02 April 2026. Note: Telephonic, telegraphic, facsimile or emailed tender offers will not be accepted.</p>
C.2.16	Tender offer validity
C.2.16.1	<p>Amend</p> <p>The Tender offer validity period is eighty-four (84) days.</p>
C.2.16.3	<p>Amend:</p> <p>Accept that a tender submission that has been submitted to the employer may only be withdrawn or substituted by giving the employer's agent written notice before the closing time for tenders that a tender is to be withdrawn or substituted.</p>
C.2.18	Remove
C.2.20	<p>Submit securities, bonds and policies</p> <p>Replace:</p> <p>All guarantees, policies and certificates of insurance required, must be provided in terms of the conditions of the contract identified in the tender and contract data.</p>

C.2.23	<p>Certificates</p> <p>Add: The Tenderer is required to submit with this Tender.</p> <ol style="list-style-type: none"> 1) A valid tax clearance certificate issued by the South African Revenue Services. 2) Proof to claim preference points as included in the MBD 6.1
C.3	The Employer's undertakings
C.3.4	Opening of tender submission
C.3.4.1	<p>Replace: The time and location for opening of the tender in public is Thursday, 02 April 2026. at 12H00, SALDANHA BAY MUNICIPALITY, Council Chamber, 12 Main Road, Vredenburg. Tender submissions for which acceptable reasons for withdrawal have been submitted will not be opened.</p>
C.3.5	Remove
C.3.11	Evaluation of tender offers
	<p>Add: See C.1.6.2.</p>
C.3.11.1	Remove
C.3.12	Remove
C.3.13	<p>Acceptance of tender offer</p> <p>Add the following to C.3.13</p> <ol style="list-style-type: none"> g) the Tenderer has in his or her possession a valid Tax Clearance Certificate issued by the South African Revenue Services and is tax compliant on the Central Supplier Database; h) the Tenderer is not in arrears for more than 3 months with municipal rates and taxes and municipal service charges; i) 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; j) the Tenderer has not: <ol style="list-style-type: none"> i) abused the Employer's Supply Chain Management System; or ii) failed to perform on any previous contract; and k) the Tenderer fully completes all required documentation.

<p>Additional: C.3.19</p>	<p>The additional conditions of Tender are:</p> <ul style="list-style-type: none">a) Saldanha Bay Municipality may also request that the Tenderer provide written evidence that their financial, labour and resources are adequate for carrying out the project.b) The Saldanha Bay Municipality reserves the right to appoint a firm of chartered accountants and auditors and/or execute any other financial investigations on the financial resources of any Tenderer.c) The Tenderer shall provide all reasonable assistance in such Investigations. Tenderers must take note that in the case of a false statement or submission of false information, the tender will be disqualified with immediate effect and criminal prosecution may be considered.d) Council reserves the right not to make an award in this matter.
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Returnable Documents (T2)

ALL Documents and Schedules MUST BE RETURNED (SUBMITTED) for the TENDER to be Evaluated

- PART T2 Returnable Documents (All documents / schedules are returnable)**
- T2.1 List of Returnable Schedules Required for Tender Evaluation
 - T2.2 Other Documents required for Tender Evaluation Purposes
 - T2.3 Returnable Schedules that will be incorporated in the Contract

List of Returnable Schedules Required for Tender Evaluation Purposes (T2.1)

- Form 2.1.1 General Information
- Form 2.1.2 Authority for Signatory
- Form 2.1.3 Experience of the bidder
- Form 2.1.4 Invitation to Tender (MBD 1)
- Form 2.1.5 Declaration of Interest (MBD 4)
- Form 2.1.6 Declaration for Procurement above R10 million (MBD 5)
- Form 2.1.7 Preference Point Claim Form and Proof of B-BBEE status (MBD 6.1)
- Form 2.1.8 Declaration of Bidder's past supply chain management services (MBD 8)
- Form 2.1.9 Certificate of Independent Bid Determination (MBD 9)

FORM 2.1.1 - GENERAL INFORMATION

1. Name of Tendering Entity:			
2. Contact Details			
Address:			
Tel No:		Fax No:	
E-mail Address:			

3. Legal entity: Mark with an X.

Sole proprietor	
Partnership	
Close corporation	
Company	
Joint venture	

In the case of a Joint venture, provide details on joint venture members:

Joint venture member	Type of entity (as defined above)

4. Income tax reference number:

_____ (in the case of a joint venture, provide for all joint venture members)

5. VAT registration number:

_____ (in the case of a joint venture, provide for all joint venture members).

Where the value of an intended contract will exceed R 1 000 000.00 (R1 million) it is the bidder's responsibility to be registered with the South African Revenue Services for VAT purposes in order to be able to issue tax invoices.

6. Company or closed corporation registration number: _____ (In the case of a joint venture, provide for all joint venture members)

7. Details of proprietor, partners, closed corporation members, or company directors, indicating technical qualifications where applicable (Form on the next page).

8. For joint ventures the following must be attached:

- Written power of attorney for authorised signatory.
- Pro-forma of the joint venture agreement.
- The major partner to satisfy at least 40 percent of the turnover and credit amount criteria, and each other partner at least 25 percent of the criteria.

Name and Identity Number	Relevant qualifications and experience	Years of relevant experience

Name of Tendering Entity:			
Signature:		Date:	

FORM 2.1.2 - AUTHORITY FOR SIGNATORY

DETAILS OF PERSON RESPONSIBLE FOR TENDER PROCESS			
Name			
Contact Number			
Address of Office Submitting the Tender			
Tel No.		Fax No.	
E-mail			

Signatories for close corporations and companies shall confirm their authority by attaching to this form a **duly signed and dated original or certified copy** of the relevant resolution of their members or their board of directors, as the case may be.

"By resolution of the board of directors passed on *(date)*.....

Mr/Ms.

has been duly authorized to sign all documents in connection with the Tender for Contract Numberand any Contract which may arise there from on behalf of

SIGNED ON BEHALF OF THE COMPANY	
IN HIS CAPACITY AS	
DATE	
FULL NAME OF SIGNATORY	
AS WITNESS 1.	
2.	

***** PLEASE ATTACH CONFIRMATION OF AUTHORITY OF SIGNATORY DOCUMENTATION TO ANNEXURE 1**

FORM 2.1.3 - EXPERIENCE OF THE BIDDER

Provide the following information on relevant previous experience (various road construction, asphalt and re-sealing projects):

- Three (3) successfully completed Road Construction, Resurfacing and/ Resealing Contracts/Projects (various asphalt and sealing applications and ancillary works) within the last five (5) years with a minimum individual project value of R8 million or more. The projects or contracts must not be older than 5 years at tender closure.

Proof of experience and successful completion shall be in the form of duly signed, written contactable references or appointment letters or appointed contracts. Proof must be submitted at tender closure; failure will render the tenderer non – responsive.

NB: Please complete the table below by listing three road construction, resurfacing and or resealing projects or contracts. Failure to complete the below table will render the tenderer non – responsive.

The projects listed in the below table must correspond with the supporting documentation.

PROJECT NAME	COMPANY/INSTITUTION/CLIENT	SCOPE OF WORK	CONTACT DETAILS (NAME & SURNAME, TELEPHONE NUMBER AND EMAIL ADDRESS)	APPOINTMENT DATE	CONTRACT/PROJECT DURATION	CONTRACT/PROJECT COMPLETION DATE	CONTRACT/PROJECT VALUE

Name of Tendering Entity:			
Signature:		Date:	

***** PLEASE ATTACH PREVIOUS WORK EXPERIENCE TO ANNEXURE 2**

FORM 2.1.4 – INVITATION TO TENDER

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF SALDANHA BAY MUNICIPALITY			
SUPPLIER INFORMATION			
NAME OF BIDDER			
POSTAL ADDRESS OF BUSINESS			
STREET ADDRESS OF BUSINESS			
TELEPHONE NUMBER	CODE		NUMBER
CELLPHONE NUMBER			
FACSIMILE NUMBER	CODE		NUMBER
E-MAIL ADDRESS			
VAT REGISTRATION NUMBER			
TAX COMPLIANCE STATUS	TCS PIN		OR CSD No
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE OR SWORN AFFIDAVIT [TICK APPLICABLE BOX]	Yes or No		CONTRIBUTOR FACTOR (See MBD 6.1)
DOCUMENTS REQUIRED AS PRESCRIBED TO CLAIM PREFERENCE POINTS. IF DOCUMENTS ARE NOT PROVIDED AS REQUESTED 0 POINTS WILL BE ALLOCATED.			
ORIGINAL OR ORIGINAL CERTIFIED B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE ISSUED BY A SANAS ACCREDITED AGENCY OR EME OR QSE SWORN AFFIDAVIT OR A CERTIFIED COPY THEREOF			
MUNICIPAL ACCOUNT OR LEASE AGREEMENT IN THE NAME OF THE BUSINESS OR AN AFFIDAVIT FROM THE OWNER OF THE PROPERTY WHERE OF BUSINESS			
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS / SERVICES / WORKS OFFERED?	YES OR NO (Provide proof)		ARE YOU A FOREIGN BASED SUPPLIERS FOR THE GOODS / SERVICES / WORKS OFFERED? YES OR NO (If yes, answer 3)
CRS no	TOTAL BID PRICE (Brought forward)		
SIGNATURE OF BIDDER			DATE
CAPACITY UNDER WHICH THIS BID IS SIGNED			
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:		TECHNICAL INFORMATION MAY BE DIRECTED TO:	
DEPARTMENT	SCM	DEPARTMENT	Roads and Stormwater
CONTACT PERSON	Rosaire Farmer	CONTACT PERSON	E Adams
TELEPHONE NUMBER	022 701 6945	TELEPHONE NUMBER	022 701 6828
E-MAIL ADDRESS	rosaire.farmer@sbm.gov.za	E-MAIL ADDRESS	eugene.adams@sbm.gov.za

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 ONLINE	
1.3.	THIS BID IS SUBJECT TO THE 80/20 PREFERENCE POINT SYSTEM AS CONTAINED IN THE PREFERENTIAL PROCUREMENT POLICY, R8/5-25, OF 29 MAY 2025, WILL BE USED IN THE ADJUDICATION OF THIS TENDER.	
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 VIEW THE TAXPAYER'S PROFILE AND TAX STATUS.	
2.3	APPLICATION FOR THE TAX COMPLIANCE STATUS (TCS) CERTIFICATE OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA.	
2.4	FOREIGN SUPPLIERS MUST COMPLETE THE PRE-AWARD QUESTIONNAIRE IN PART B:3.	
2.5	BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.	
2.6	IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.	
2.7	WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.	
3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS		
3.1.	IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?	YES/NO
3.2.	DOES THE ENTITY HAVE A BRANCH IN THE RSA?	YES/NO
3.3.	DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?	YES/NO
3.4.	DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?	YES/NO
3.5.	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 ABOVE.		

FORM 2.1.5 – DECLARATION OF INTEREST

DECLARATION OF INTEREST	
1.	No bid will be accepted from persons in the service of the state*.
2.	Any person, having a kinship with persons in the service of the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid. In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to persons in the service of the state, it is required that the bidder or their authorised representative declare their position in relation to the evaluating/adjudicating authority.
3.	In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.
3.1.	Full Name of bidder or his / her representative:
3.2.	Identity number:
3.3.	Position occupied in the Company (director, trustee, shareholder ²)
3.4.	Company Registration Number:
3.5.	Tax Reference Number:
3.6.	VAT Registration Number:
3.7.	The names of all directors / trustees / shareholders / members, their individual identity numbers and state employee numbers (where applicable) must be indicated in paragraph 4 below.
3.8.	Are you presently in the service of the state* YES / NO
3.8.1.	If yes, furnish particulars.
3.9.	Have you been in the service of the state for the past twelve months? YES / NO
3.9.1.	If so, furnish particulars.
3.10.	Do you, have any relationship (family, friend, other) with persons in the service of the state and who may be involved with the evaluation and or adjudication of this bid? YES / NO
3.10.1.	If so, state particulars.
3.11.	Are you aware of any relationship (family, friend, other) between the bidder and any person in the service of the state who may be involved with the evaluation and or adjudication of this bid? YES / NO

3.11.1.	If so, state particulars.		
3.12.	Are any of the company's directors, managers, principal shareholders or stakeholders in service of the state?	YES / NO	
3.12.1.	If so, state particulars.		
3.13.	Is any spouse, child or parent of the company's directors, trustees, managers, principle shareholders or stakeholders in service of the state?	YES / NO	
3.13.1.	If so, furnish particulars.		
3.14.	Do you or any of the directors, trustees, managers, principle shareholders, or stakeholders of this company have any interest in any other related companies or business whether or not they are bidding for this contract?	YES / NO	
3.14.1.	If so, furnish particulars.		
4.	Full details of directors / trustees / members / shareholders:		
COMPLETION OF THE FOLLOWING INFORMATION IS <u>COMPULSORY</u>:			
Full Name		Identity Number	Individual Tax Number for each Director
			State Employee Number
CERTIFICATION			
I CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS CORRECT. I ACCEPT THAT THE STATE MAY ACT AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.			
NAME OF ENTERPRISE			
CAPACITY		DATE	
NAME (PRINT)		SIGNATURE	
*MSCM Regulations: "in the service of the state" means to be -			
a)	a member of -		

	(i) any municipal council; (ii) any provincial legislature; or (iii) the National Assembly or the National Council of Provinces;
b)	a member of the board of directors of any municipal entity;
c)	an official or any Municipality or municipal entity;
d)	an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No. 1 of 1999);
e)	a member of the accounting authority of any national or provincial entity; or
f)	an employee of Parliament or a provincial legislature.
² "Shareholder" means a person who owns shares in the company and is actively involved in the management of the company or business and exercise control over the company.	

**FORM 2.1.6 MBD 5 DECLARATION FOR PROCUREMENT ABOVE R10 MILLION
(ALL APPLICABLE TAXES INCLUDED)**

For all procurement expected to exceed R10 million (VAT included), bidders must complete the following questionnaire:		
1.	Are you by law required to prepare annual financial statements for auditing?	YES / NO
1.1	If yes, submit audited annual financial statements for the past three years or since the date of establishment if established during the past three years.	
1.2	If no, submit management accounts for the business.	
2.	Do you have any outstanding undisputed commitments for municipal services towards a municipality or any other service provider in respect of which payment is overdue for more than 30 days?	YES / NO
2.1	If no, this serves to certify that the bidder has no undisputed commitments for municipal services towards a municipality or other service provider in respect of which payment is overdue for more than 30 days.	
2.2	If yes, provide particulars.	
3.	Has any contract been awarded to you by an organ of state during the past five years, including particulars of any material non-compliance or dispute concerning the execution of such contract?	YES / NO
3.1	If yes, furnish particulars	
4.	Will any portion of goods or services be sourced from outside the Republic, and, if so, what portion and whether any portion of payment from the municipality / municipal entity is expected to be transferred out of the Republic?	YES / NO
4.1	If yes, furnish particulars	
CERTIFICATION		

I, THE UNDERSIGNED (NAME)

CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS CORRECT.

I ACCEPT THAT THE STATE MAY ACT AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

SIGNATURE

DATE

POSITION

**NAME OF
BIDDER**

FORM 2.1.7 PREFERENCE POINT CLAIM FORM and PROOF of B-BBEE STATUS

MBD 6.1

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022 AND PREFERENTIAL PROCUREMENT POLICY OF COUNCIL: 90/10 PREFERENCE POINT SYSTEM

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

NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE BID, PREFERENTIAL PROCUREMENT REGULATIONS, 2022 AND PREFERENTIAL PROCUREMENT POLICY OF COUNCIL.

1. GENERAL CONDITIONS

a. The following preference point system is applicable to invitations to bid:

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

b. Points for this bid (even in the case of a bid for income-generating contracts) shall be awarded for:

- a) Price; and
- b) Specific Goals (B-BBEE status level contribution and Locality).

c. The maximum points for this bid are allocated as follows:

	POINTS
PRICE	90
SPECIFIC GOALS	10 (5 B-BBEE and 5 Locality)
TOTAL POINTS FOR PRICE AND SPECIFIC GOALS	100

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

1.4.1 B-BBEE

Failure on the part of a bidder to submit a B-BBEE Verification Certificate from a Verification Agency accredited by the South African National Accreditation System (SANAS), or a sworn affidavit confirming annual turnover and level of black ownership in case of an EME and QSE together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

1.4.2 Locality

1.4.2.1. Where the tenderer is the owner of the property

The municipal account must be registered in the trading name of owner of the property, for example:

- Partnership (Lead company according to agreement).
- Joint Venture (Lead company according to agreements and where daily operations are done).

- Close Corporation (name of the CC).
- Public Company "Limited or Ltd" (name of the company).
- Private company / Proprietary company / (Pty) Ltd (name of the company).
- Non-Profit Company "NPC" (name of the company).
- State Owned Company "SOC" (name of the SOC).
- In the case of a One-person business / sole proprietor the account must either be in the trading name or in the owner's name.
- In the case of a Private Company (Pty) Ltd. (small businesses) which trades from the residential address of the Director, the municipal account can be in the name of the Director if he/she is the owner of the residential property. This is applicable in cases where the company has only 1 Director. If more than 1 Director, the other directors must also reside at the same address and such proof must be submitted in the form of an Affidavit.

1.4.2.2. Where the tenderer is not the owner of the property

Sole propriety (residential):

- If the municipal account is not registered in the name of the Sole Propriety, a valid Lease Agreement to be submitted.

OR

- If no valid Lease Agreement exist, an affidavit from the owner of the property must be submitted.
- The owner of the property must confirm the following:
 - That the sole propriety is conducting business from the said address as indicated in the bid documents.
 - What are the conditions/agreement for conducting business from premises.
 - For example: declares that no written lease agreement exists, a verbal lease agreement exist, sole supplier does not have any obligation to contribute to any payment of municipal accounts; sole propriety not liable for any rent payments, etc.
 - The ID numbers of both the owner of property and the sole propriety must reflect on the affidavit.
 - NB: A Detailed affidavit must be submitted. Not the affidavit that only indicates the following "I don't own any buildings and therefore does not have any municipal accounts"

Note: Affidavits valid for a period of 3 months

Close Corporation, Public Company, Personal Liability Company, (Pty) Limited, Non-Profit Company, State Owned Companies - A valid Lease Agreement must be submitted:

- If a valid Lease Agreement does not exist, an affidavit from the owner of the property must be submitted.
- The owner of the property must confirm the following:
 - That the tenderer/supplier is conducting business from the said address as indicated in the bid documents.
 - What are the conditions/agreement for conducting business from premises.
 - For example: declares that no written lease agreement exists, a verbal lease agreement exist, sole supplier does not have any obligation to contribute to any payment of municipal accounts; Sole supplier not liable for any rent payments, etc.

- The ID numbers of both the owner of property, the Director (Authorised to represent the entity or sign documents on behalf of entity) and/or the supplier company registration number must reflect on the affidavit.
- If the property is in the name of a Trust, an affidavit must be obtained from the Trustee(s).
- NB: A Detailed affidavit must be submitted. Not the affidavit that only indicates the following "I don't own any buildings and therefore does not have any municipal accounts"

1.4.2.3. Sub-Leasing vs Apartments (block of buildings) owned by one (1) person / director which also operates more than 1 business from the same premises

- If any Sub Leasing exist, a valid Sub Lease agreement must be submitted.
- In instances where a director owns an apartment (block of buildings) and runs more than one business from it, this block is registered in the name of a trust or one (1) of the business's he owns. When a tenderer submits a bid, is not the one (1) owning the business, the same information as per 9.2.2 above must be submitted.

Note: The residential or business address of the tenderer or sole propriety is tested, therefore the postal address on the municipal account cannot be used to claim points for locality. Please ensure that the residential address on the municipal account agrees to the address as recorded in the compulsory documents to be completed and / attachments and / CSD, CIPC, if necessary.

A SCORE OF 0 (ZERO) WILL BE ALLOCATED IF COMPULSORY DOCUMENTS NOT DULY COMPLETED AND SIGNED AND / IF INSUFFICIENT PROOF SUBMITTED AT THE CLOSING TIME AND DATE.

- e. The municipality reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the municipality.

2. DEFINITIONS

- (a) **"all applicable taxes"** includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;
- (b) **"B-BBEE"** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- (c) **"B-BBEE status level of contributor"** means the B-BBEE status received by a measured entity based on its overall performance using the relevant scorecard contained in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- (d) **"bid"** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive bidding process or any other method envisaged in legislation;
- (e) **"price"** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- (f) **"rand value"** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (g) **"bid 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
- (h) **"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 90/10 PREFERENCE POINT SYSTEMS

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

$$90/10 \quad P_s = 90 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right)$$

Where

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

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

4.1 POINTS AWARDED FOR PRICE THE 90/10 PREFERENCE POINT SYSTEMS

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

$$90/10 \quad P_s = 90 \left(1 + \frac{P_t - P_{max}}{P_{max}} \right)$$

Where

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

5. POINTS AWARDED FOR SPECIFIC GOALS

In terms of the Preferential Procurement policy of Council section 6(2) and 8(2), preference points must be awarded for specific goals stated in the bid. For the purposes of this bid the bidder will be allocated points based on the goals stated in table 1 and 2 below as may be supported by proof/documentation stated in the conditions of this bid:

a. B-BBEE

B-BBEE Status Level of Contributor	Number of Points for Preference (90/10)
1	5
2	4.5
3	3
4	2.5
5	2
6	1.5
7	1
8	0.5
Non-compliant contributor	0

b. LOCALITY

Locality of supplier	Number of Points for Preference (90/10)
Within the boundaries of Saldanha Bay Municipality	5
Within the boundaries of the West Coast District	2.5
Within the boundaries of the Western Cape	1
Outside the boundaries of the Western Cape or failure to provide proof	0

6. DECLARATION

Bidders who claim points in respect of B-BBEE and Locality must complete the following:

a. B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 5.1

B-BBEE Status Level of Contribution: _____ (maximum of 5 points)

6.2 LOCALITY CLAIMED IN TERMS OF PARAGRAPH 1.4 AND 5.2

LOCALITY: _____ (maximum of 5 points)

7. DECLARATION WITH REGARD TO COMPANY / FIRM

a. Name of company / firm: _____

b. Company registration number: _____

c. VAT registration number: _____

d. 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]

e. MUNICIPAL INFORMATION

Municipality where business is situated: _____

Street address of business:

Registered municipal account number: _____

NOTE: MUNICIPAL INFORMATION PROVIDED MUST BE ALIGNED TO PARAGRAPH 1.4 AND 5.2

- f. 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 bid, 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 5, 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 bidding process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person’s conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) recommend that the bidder 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 BIDDER(S)

SURNAME AND NAME:

DATE:

ADDRESS:
.....
.....

***** PLEASE ATTACH PROOF OF B-BBEE STATUS TO ANNEXURE 3**

FORM 2.1.8 - DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES			
1	This Municipal Bidding Document must form part of all bids invited.		
2	It serves as a declaration to be used by municipalities and municipal entities in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.		
3	The bid of any bidder may be rejected if that bidder, or any of its directors have:		
	a) abused the municipality's / municipal entity's supply chain management system or committed any improper conduct in relation to such system;		
	b) been convicted for fraud or corruption during the past five years;		
	c) willfully neglected, reneged on or failed to comply with any government, municipal or other public sector contract during the past five years; or		
	d) been listed in the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004).		
4	In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.		
Item	Question	Yes	No
4.1	Is the bidder or any of its directors listed on the National Treasury's database as a company or person prohibited from doing business with the public sector? (Companies or persons who are listed on this database were informed in writing of this restriction by the National Treasury after the <i>audi alteram partem</i> rule was applied).	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.1.1	If so, furnish particulars:		
4.2	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? (To access this Register enter the National Treasury's website, www.treasury.gov.za, click on the icon "Register for Tender Defaulters" or submit your written request for a hard copy of the Register to facsimile number (012) 3265445).	Yes <input type="checkbox"/>	No <input type="checkbox"/>

4.2.1	If so, furnish particulars:		
4.3	Was the bidder or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.3.1	If so, furnish particulars:		
4.4	Does the bidder or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.4.1	If so, furnish particulars:		
4.5	Was any contract between the bidder and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.5.1	If so, furnish particulars:		

CERTIFICATION

I, THE UNDERSIGNED (FULL NAME) CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM TRUE AND CORRECT.

I ACCEPT THAT, IN ADDITION TO CANCELLATION OF A CONTRACT, ACTION MAY BE TAKEN AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

Signature

Date

Position

Name of Tenderer

DECLARATION OF MUNICIPAL ACCOUNTS OF COMPANY AND DIRECTORS

Does the bidder or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
--	---------------------------------	--------------------------------

The Tenderer must affix proof of Municipal Accounts or valid lease agreements of the company as well as Directors and also complete the addresses of Directors below. If the Bidder has more than 12 Directors, a schedule with addresses must also be attached to the tender document.

Business Address:

Mr. / Mrs

Director 2 Address:

Mr. / Mrs

Director 3 Address:

Mr. / Mrs

Director 4 Address:

Mr. / Mrs

Director 5 Address:

Mr. / Mrs

Director 6 Address:

Mr. / Mrs

Director 7 Address:

Mr. / Mrs

Director 8 Address:

Mr. / Mrs

Director 9 Address:

Mr. / Mrs

Director 10 Address:

Mr. / Mrs

Director 11 Address:

Mr. / Mrs

Director 12 Address:

Mr. / Mrs

Attach page if space insufficient.

***** PLEASE ATTACH MUNICIPAL INFORMATION PROOF TO ANNEXURE 4**

FORM 2.1.9 - CERTIFICATE OF INDEPENDENT BID DETERMINATION

CERTIFICATE OF INDEPENDENT BID DETERMINATION

1. This Municipal Bidding Document (MBD) must form part of all bids¹ invited.
2. Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).² Collusive bidding is a *per se* prohibition meaning that it cannot be justified under any grounds.
3. Municipal Supply Regulation 38 (1) prescribes that a supply chain management policy must provide measures for the combating of abuse of the supply chain management system, and must enable the accounting officer, among others, to:
 - a) take all reasonable steps to prevent such abuse;
 - b) reject the bid of any bidder if that bidder or any of its directors has abused the supply chain management system of the municipality or municipal entity or has committed any improper conduct in relation to such system; and
 - c) cancel a contract awarded to a person if the person committed any corrupt or fraudulent act during the bidding process or the execution of the contract.
4. This MBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
5. In order to give effect to the above, the attached Certificate of Bid Determination (MBD 9) must be completed and submitted with the bid:

I, the undersigned, in submitting the accompanying bid:

(Bid Number and Description)

in response to the invitation for the bid made by:

(Name of Municipality / Municipal Entity)

do hereby make the following statements that I certify to be true and complete in every respect:

I certify, on behalf

of: _____ that:

(Name of Bidder)

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;

3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign, the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
 - a) has been requested to submit a bid in response to this bid invitation;
 - b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
 - c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder
6. 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 consortium³ will not be construed as collusive bidding.
7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - a) prices;
 - b) geographical area where product or service will be rendered (market allocation)
 - c) methods, factors or formulas used to calculate prices;
 - d) the intention or decision to submit or not to submit, a bid;
 - e) the submission of a bid which does not meet the specifications and conditions of the bid; or
 - f) bidding with the intention not to win the bid.
8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
9. 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.
10. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
11. 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.
12. 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.

¹ Includes price quotations, advertised competitive bids, limited bids and proposals.

² Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

³ 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.

.....

Signature

.....

Date

.....

Position

.....

Name of Bidder

Other Documents Required for Tender Evaluation Purposes (Part T2.2)

ALL Documents and Schedules MUST BE RETURNED (SUBMITTED) for the TENDER to be Evaluated.

- PART T2.2 Returnable Documents (All documents / schedules are returnable)**
- T2.2.1 Certificate of Tenderer's Attendance at the compulsory clarification meeting
 - T2.2.2 Tax Clearance Certificate Requirements – TCC001
 - T2.2.3 Central Supplier Database (CSD)
 - T2.2.4 Instruction: Handling of Tender Document

**FORM 2.2.1 - CERTIFICATE OF TENDERER'S ATTENDANCE AT THE
COMPULSORY CLARIFICATION MEETING**

This is to certify that I,

representative of (Tenderer)

.....

of (address)

.....

.....

Telephone number

Fax number

Attended Clarification Meeting on (date)

in the company of (SALDANHA BAY MUNICIPALITY / Employer's Representative)

.....

NB: Tenderers are requested to submit the minutes received at above-mentioned compulsory clarification meeting with their Tender documents. (Non- submission of this information may lead to rejection of this Tender)

TENDERER'S REPRESENTATIVE	
SALDANHA BAY MUNICIPALITY / EMPLOYER'S REPRESENTATIVE	

FORM 2.2.2 - Tax Clearance Certificate Requirements – TCC001

TAX CLEARANCE CERTIFICATE REQUIREMENTS

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

In order to meet these requirement bidders are required to complete in full the attached form TCC 001 "Application for a Tax Clearance Certificate" and submit it to any SARS branch office nationally. The Tax Clearance Certificate Requirements are also applicable to foreign bidders / individuals who wish to submit bids.

- 1 SARS will then furnish the bidder with a Tax Clearance Certificate that will be valid for a period of 1 (one) year from the date of approval.
- 2 In bids where Consortia / Joint Ventures / Sub-contractors are involved; each part must submit a separate Tax Clearance Certificate.
- 3 Copies of the TCC 001 "Application for a Tax Clearance Certificate" form are available from any SARS branch office nationally or on the website www.sars.gov.za.
- 4 Applications for the Tax Clearance Certificates may also be made via eFiling. In order to use this provision, taxpayers will need to register with SARS as eFilers through the website www.sars.gov.za.

***** PLEASE ATTACH A VALID TAX CLEARANCE CERTIFICATE TO ANNEXURE 5.**

FORM T2.2.3 – CENTRAL SUPPLIER DATABASE (CSD)

Paragraph 14(1)(a) of the Municipal Supply Chain Management Policy states that the municipality must keep a list of accredited prospective providers of goods and services that must be used for the procurement requirements. Saldanha Bay Municipality has decided to accept an invitation from Provincial Treasury to join the Western Cape Supplier Database (WCSD) with the view of using one centralized database. However, on 01 July the Municipality will make use of the Centralised Supplier Database. This decision was taken based on the advantages it holds for our suppliers as well as our organization's procurement processes. All prospective providers of municipal goods and/or services are hereby requested to register their business with the CSD.

The usage of the Centralised Supplier Database came into effect on 01 July 2016. REGISTRATION WILL BE COMPULSORY IN ORDER TO CONDUCT BUSINESS WITH SALDANHA BAY MUNICIPALITY. The database will be used to verify the accreditation of a supplier before an award can be made.

All prospective suppliers should be aware of the amended codes of good practice under section 9 (1) of the Broad-Based Black Economic Empowerment Act as issued by the Minister of Trade and Industry (Gazette No.36928) on 11 October 2013.

Enquiries can be made to Mr. V. Van Wyk at 022 701 7168.

CSD registration number (if registered):

FORM T2.2.4 – INSTRUCTION: HANDLING OF TENDER DOCUMENT

Tenders must be properly received and deposited in the above-mentioned tender box on or before the closing date and before the closing time. No late tender offers will be accepted under any circumstances. Tender offers must be submitted in a sealed envelope properly marked in terms of the tender number and tender description as indicated above. If the tender offer is too large to fit into the abovementioned box, please enquire at the public counter opposite the tender boxes for assistance. No tender offers will be accepted via facsimile, email or electronic copies.

All bids must be submitted on the official bid documents issued by SBM for this bid and not be re-typed.

Do not dismember this Tender Document (do not take it apart or put documents between its pages) and all other documents of the submission must be attached to this Tender Document.

Tenders generated from e-Tender:

E-TENDER DECLARATION

It is compulsory to confirm “Yes” or “No” on all line items **Yes/No**

The original document collected from the Municipality must be submitted or, if documents are printed from the e-tender website, the original, printed document must be submitted, clearly reflecting all writing and signatures in black ink. Copied documents where the writing and signatures is unclear and/or copied will render the tender non-responsive.	
Print the tender document with a quality printer. If the wording is unclear, the document will be discarded.	
Printed documents must be bind securely according to page numbers to prevent pages getting lost. Missing pages will render the tender non-responsive. Do not staple the pages together.	
The Price Schedule and All Annexures with compulsory attachments must be bind to the back of the document.	
No alterations of the document will be accepted. Any alterations will disqualify the tender.	
Print the Tender document on both sides to save paper and for standardisation.	

It is compulsory to comply and sign below if the tenderer agrees to the requirements above

I accept and approve all of the above.

SIGNATURE OF TENDERER

CHECKLIST

Please ensure that you have included all the documents listed below and submit it with your tender document as well as ensure that you adhere to the listed requirements. This will ensure that your tender is not deemed to be non-responsive and disqualified.

PLEASE TICK BOX ON THE LEFT

- Identity Documents of all those with equity ownership in the organization. In the case of a company please include only those ID documents of the Directors with equity ownership.
- Company registration forms.
- Copy of business and director/s municipal account/s.
- Registration with professional body (If applicable).
- All relevant sections complete and signed and all pages of tender document initialed by authorized signatory.
- Proof attached that signatory is duly authorized to enter into contractual agreement with Saldanha Bay Municipality on behalf of the organization.
- Original or Originally Certified copy of a valid SANAS approved B-BBEE certificate or a valid B-BBEE affidavit.
- Proof for claiming points for locality as required in MBD 6.1.
- Tax-compliant status on CSD.
- Other as required in the tender document.

DECLARATION

I declare that all relevant documents have been included with the bid document and all the tender conditions have been adhered to.

Name: _____ Signature: _____

Capacity: _____

Returnable Schedules that will be incorporated in the Contract (Part T2.3)

*(ALL Documents and Schedules **MUST BE RETURNED** (SUBMITTED) for the TENDER to be Evaluated.*

PART T2.3

T2.3.1 Record of Addenda to Tender Documents

FORM 2.3.1 - RECORD OF ADDENDA TO TENDER DOCUMENTS

We confirm that the following communications received from the Employer before the submission of this Tender offer, amending the Tender documents, have been taken into account in this Tender offer:

No.	Date	Title or Details
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Signed:		Date:	
Name:		Position:	
SIGNED ON BEHALF OF TENDERER:			

***** PLEASE ATTACH RECORD OF ADDENDA TO ANNEXURE 6.**

The Contract (Part C)

ALL Documents and Schedules MUST BE RETURNED (SUBMITTED) for the TENDER to be Evaluated.

PART C

Part C1 Agreement and Contract Data
Part C2 Pricing Data
Part C3 Scope of Works

Agreement and contract data (Part C1)

ALL Documents and Schedules MUST BE RETURNED (SUBMITTED) for the TENDER to be Evaluated.

PART C1

- Part C1.1 Form of Offer & Acceptance
- Part C1.2 Contract Data
- Part C1.3 Objections and Complaints
- Part C1.4 Performance Guarantee

FORM OF OFFER AND ACCEPTANCE - (PART C1.1)

1. OFFER

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

CONSTRUCTION (UPGRADING), REHABILITATION AND MAJOR REPAIR OF ROADWORKS AND ANCILLARY SERVICES IN THE SALDANHA BAY MUNICIPAL AREA FOR THE PERIOD 1 JULY 2026 TILL 30 JUNE 2029.

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

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

The offered total of the Prices inclusive of Value Added Tax is

.....Rand (in words);

R(in figures)
(or other suitable wording)

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

For the **Tenderer:**

Signature

Name

Capacity

Name and address of organisation:

.....
.....

Name and signature of witness:

Signature

Name

Date

2. ACCEPTANCE

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

The terms of the contract are contained in

Part C1 : Agreements and Contract Data (which includes this Agreement)

Part C2 : Pricing Data

Part C3 : Scope of Work

and documents or parts thereof, which may be incorporated by reference into Parts C1 to C3 above.

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

The Tenderer shall, within two weeks after receiving a completed copy of this Agreement including the Schedule of Deviation (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 at, or just after, the date this Agreement comes into effect. Failure to fulfil any of the 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 Tenderer receives one fully completed original copy of this document, including the Schedule of Deviations (if any). Unless the Tenderer (now Contractor), within five working days of the date of such receipt notifies the Employer in writing of any reason why he cannot accept the contents of this Agreement, this Agreement shall constitute a binding contract between the parties,

For the **Employer**:

Signature

Name

Capacity

Name and address of organisation:

.....
.....

Name and signature of witness:

Signature

Name

Date

3. SCHEDULE OF DEVIATIONS

Notes:

1. The extent of deviations from the tender documents issued by the Employer prior to the tender closing date is limited to those permitted in terms of the Conditions of Tender.
2. A Tenderer'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 the tender documents, and which it is agreed by the Parties becomes an obligation of the contract, shall also be recorded here.
4. Any change or addition to the tender documents arising from the above agreements and recorded here, shall also be incorporated into the final draft of the contract.

1. Subject

.....

Details

.....

.

2. Subject

.....

Details

.....

.

3. Subject

.....

Details

.....

.

4. Subject

.....

Details

.....

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

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

For the Tenderer

For the Employer

..... Signature(s)

..... Name(s)

.....Capacity

Name and address of organization

Name and address of organization

.....

.....

.....

.....

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

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

.....Date.....

SALDANHA BAY MUNICIPALITY

CONSTRUCTION (UPGRADING), REHABILITATION AND MAJOR REPAIR OF ROADWORKS AND ANCILLARY SERVICES IN THE SALDANHA BAY MUNICIPAL AREA FOR THE PERIOD 1 JULY 2026 TILL 30 JUNE 2029.

The Tenderer, (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 the 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.....

Contract Data - (Part C1.2)

1. CONDITIONS OF CONTRACT

1.1. GENERAL CONDITIONS OF CONTRACT FOR CONSTRUCTION

The following standardised General Conditions of Contract:

General Conditions of Contract for Construction Works, Third Edition, 2015

prepared by the South African Institution of Civil Engineering (SAICE) shall apply to and form the General Conditions of Contract for this contract. Copies of these conditions of contract are obtainable from the South African Institution of Civil Engineering (SAICE), Private Bag X200, Halfway House 1685, Tel: (011) 805 5947, Fax: (011) 805 5971, e-mail: civilinfo@saice.org.za.

Copies of the General Conditions of Contract are available for inspection and scrutiny at the offices of the Employer.

The Pro-formas bound with the General Conditions of Contract 2015, on pages 96 to 113 shall not apply to this Contract and shall be replaced with the documentation bound into this Contract Document.

The General Conditions of Contract make several references to the Contract Data for specific data, which together with these conditions collectively describe the risks, liabilities and obligations of the contracting parties and the procedures for the administration of the Contract. The Contract Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the general conditions of contract.

The General Conditions of Contract shall be read in conjunction with the variations, amendments and additions set out in the Contract Specific Data below. Each item of data given below is cross-referenced to the clause in the General Conditions of Contract to which it mainly applies.

The documents forming the Contract are to be taken as mutually explanatory of one another. For the purposes of interpretation, the priority of the documents shall be in accordance with the following sequence.

- a) the Form of Offer and Acceptance,
- b) the Contract Specific Data within the Contract Data,
- c) the General Conditions of Contract for Construction Works, Third Edition, 2015,
- d) the Drawings,
- e) the Scope of Work,
- f) the Pricing Data, and
- g) the conditions of tender, the tender data and tender schedules.

If an ambiguity or discrepancy is found in the documents, the Employer's Agent shall issue any necessary clarification or instruction.

CLAUSE	DESCRIPTION
1.2.1.2	<p><u>Add:</u></p> <p><u>Saldanha Bay Municipality’s address for receipt of communications and notices is:</u> <u>Telephone: 022 701 6828</u> <u>Email: eugene.adams@sbm.gov.za</u> <u>Address: 12 Main Road</u> <u> Vredenburg</u> <u> 7380</u></p> <p><u>The Contractor’s address for receipt of communications and notices is:</u></p> <p><u>Telephone: Facsimile:</u> <u>.....</u></p> <p><u>E-mail:</u></p> <p><u>Address (Postal):</u> <u>.....</u> <u>.....</u></p> <p><u>Address (Physical):</u> <u>.....</u> <u>.....</u></p>
1.3.2	The governing law is the law of South Africa
1.3.5	<p><i>Delete Clause 1.3.5 in its entirety and replace with the following:</i></p> <p><i>Intellectual Property</i></p> <p>1.3.5.1 The Contractor acknowledges that it shall not acquire any right, title or interest in or to the Intellectual Property of the Employer.</p> <p>1.3.5.2 The Contractor hereby assigns to the Employer, all Intellectual Property created, developed or otherwise brought into existence by it for the purposes of the contract, unless the Parties expressly agree otherwise in writing.</p> <p>1.3.5.3 The Contractor shall be deemed to have given the Employer a non-terminable, transferable, non-exclusive, royalty-free licence to copy, use and communicate the Contractor’s documents, including making and using modifications of such documents for further work required to the Works.</p> <p>1.3.5.4 The Contractor shall, and warrants that it shall:</p> <p>1.3.5.4.1 not be entitled to use the Employer’s Intellectual Property for any purpose other than as contemplated in this contract;</p> <p>1.3.5.4.2 not modify, add to, change or alter the Employer’s Intellectual Property, or any information or data related thereto, nor may the Contractor produce any product as a result of, including and/or arising from any such information, data and Intellectual Property, and in the event that it does produce any such product, the product shall be, and be deemed in law to be, owned by the Employer;</p> <p>1.3.5.4.3 not apply for or obtain registration of any domain name, trademark or design which is similar to any Intellectual Property of the Employer;</p> <p>1.3.5.4.4 comply with all reasonable directions or instructions given to it by the Employer in relation to the form and manner of use of the Employer Intellectual Property, including without limitation, any brand guidelines which the Employer may provide to the contractor from time to time;</p>

CLAUSE	DESCRIPTION				
	<p>1.3.5.4.5 procure that its employees, directors, members and contractors comply strictly with the provisions of clauses 1.3.5.4.1 to 1.3.5.4.3 above; unless the Employer expressly agrees thereto in writing after obtaining due internal authority.</p> <p>1.3.5.5 The Contractor represents and warrants to the Employer that, in providing goods, services or both, as the case may be, for the duration of the contract, it will not infringe or make unauthorised use of the Intellectual Property rights of any third party and hereby indemnifies the Employer from any claims, liability, loss, damages, costs, and expenses arising from the infringement or unauthorised use by the contractor of any third party's Intellectual Property rights.</p> <p>1.3.5.6 In the event that the contract is cancelled, terminated, ended or is declared void, any and all of the Employer's Intellectual Property, and any and all information and data related thereto, shall be immediately handed over to the Employer by the Contractor and no copies thereof shall be retained by the contractor unless the Employer expressly and in writing, after obtaining due internal authority, agrees otherwise.</p>				
1.3.7	<p><i>Add the following Clause after Clause 1.3.6:</i></p> <p>The parties agree that this contract shall also be subject to the Employer's Supply Chain Management Policy ('SCM Policy').</p>				
1.3.8	<p>Abuse of the supply chain management system is not permitted and may result in cancellation of the contract, restriction of the supplier, and/or the exercise by the Employer of any other rights and remedies available to it.</p>				
3.3.1	<p>Add: The Authorized and Designated representative of the Employer is: Municipal Manager or Director: IPS</p> <p>The Employer's address for receipt of communications is:</p> <table border="1" data-bbox="387 1200 1388 1469"> <tr> <td data-bbox="387 1200 863 1391">Physical address: 15 Main Road Investment Centre Vredenburg 7380</td> <td data-bbox="863 1200 1388 1391">Postal address: SALDANHA BAY MUNICIPALITY Private Bag X12 Vredenburg 7380</td> </tr> <tr> <td data-bbox="387 1391 863 1469">Telephone: 022 701 7113 Email: mun@sbm.gov.za</td> <td data-bbox="863 1391 1388 1469">Telephone: 022 701 6828 Email: eugene.adams@sbm.gov.za</td> </tr> </table>	Physical address: 15 Main Road Investment Centre Vredenburg 7380	Postal address: SALDANHA BAY MUNICIPALITY Private Bag X12 Vredenburg 7380	Telephone: 022 701 7113 Email: mun@sbm.gov.za	Telephone: 022 701 6828 Email: eugene.adams@sbm.gov.za
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Telephone: 022 701 7113 Email: mun@sbm.gov.za	Telephone: 022 701 6828 Email: eugene.adams@sbm.gov.za				
4.3.2	<p>Replace: If required, and for the duration of this contract, the Service Provider shall provide proof to the Municipality that the Service Provider is in good standing with respect to duties, taxes, levies and contributions required in terms of legislation applicable to the work in this Contract. Failure to provide such proof shall entitle the Employer to withhold any payments due to the Contractor until such proof is provided.</p>				
5.1.2	<p>The Term Period of this tender is three (3) years calculated from 01 July 2026.</p>				
5.3.1	<p>Add: The documentation required before commencement with each project execution are:</p> <ol style="list-style-type: none"> 1. Resource/Work Plan 2. Letter of Good Standing 3. Insurance 4. Initial Programme 5. Occupational Health and Safety Agreement 				

CLAUSE	DESCRIPTION																								
	6. Occupational Health and Safety Plan																								
5.3.2	Add: The time to submit any documentation at contract stage from date of request (for example performance guarantee) is fourteen (14) days.																								
5.4.2	Replace: Access to and possession of the site shall not be exclusive to the Contractor in so far as the provisions of Clause 4.8 apply and where ongoing use by the general public is required. The Contractor shall bear all costs and charges for special and temporary rights of way required by him in connection with access to the site.																								
5.8.1	Add: The non-working days are Sundays The special non-working days are: 1. All Gazetted public holidays falling outside the year end break 2. The year-end break will be as promulgated by SAFCEC.																								
5.12.1	Add the following: The Contractor may not claim a delay on another Project as causing delay on the particular Project contract in question.																								
5.12.2.2	Add: No extension of time will be granted in respect of any delays attributed to normal climatic conditions. Normal climatic conditions shall be deemed to include normal rainfall and associated wet conditions and materials, strong winds and extremes of temperature. However, in the event that delays to critical activities exceed the number of working days listed below for each month, then abnormal climatic conditions shall be deemed to exist, and an extension of time may be claimed in accordance with the provisions of Clause 5.12. The number of days quoted below shall be regarded as a fair estimate of the delays to be anticipated and allowed for under normal climatic conditions where inclement weather prevents or disrupts critical work. <table data-bbox="392 1559 775 1957"> <tr><td>January</td><td>2 days</td></tr> <tr><td>February</td><td>2 days</td></tr> <tr><td>March</td><td>2 days</td></tr> <tr><td>April</td><td>2 days</td></tr> <tr><td>May</td><td>2 days</td></tr> <tr><td>June</td><td>4 days</td></tr> <tr><td>July</td><td>4 days</td></tr> <tr><td>August</td><td>4 days</td></tr> <tr><td>September</td><td>4 days</td></tr> <tr><td>October</td><td>2 days</td></tr> <tr><td>November</td><td>2 days</td></tr> <tr><td>December</td><td>2 days</td></tr> </table> Claims for delays for abnormal climatic conditions shall be accompanied by substantiating	January	2 days	February	2 days	March	2 days	April	2 days	May	2 days	June	4 days	July	4 days	August	4 days	September	4 days	October	2 days	November	2 days	December	2 days
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CLAUSE	DESCRIPTION																																		
	<p>facts and evidence, which shall be submitted timeously as each day or half-day delay is experienced.</p> <p>It shall be further noted that where the critical path is not affected, no extension of time for <u>abnormal</u> climatic conditions or for any other reason will be entertained.</p>																																		
5.13.1	<p><i>Add the following:</i> The penalty for failing to complete the Works of each individual Project within the time referred to in Clause 1.1.1.14 is per penalty formular. See below formular.</p> <table border="1" data-bbox="408 622 1380 1167"> <thead> <tr> <th data-bbox="408 622 858 656">WORKS PROJECT PERIOD</th> <th data-bbox="858 622 1380 656">RATE PER R100 OF ESTIMATE</th> </tr> </thead> <tbody> <tr><td data-bbox="408 656 858 689">0-1 month</td><td data-bbox="858 656 1380 689">27,5 cents</td></tr> <tr><td data-bbox="408 689 858 723">1.1-1.5 months</td><td data-bbox="858 689 1380 723">22 cents</td></tr> <tr><td data-bbox="408 723 858 757">1.6 – 2 months</td><td data-bbox="858 723 1380 757">16,5 cents</td></tr> <tr><td data-bbox="408 757 858 790">2.1– 2.5 months</td><td data-bbox="858 757 1380 790">13,5 cents</td></tr> <tr><td data-bbox="408 790 858 824">2.6 – 3 months</td><td data-bbox="858 790 1380 824">11 cents</td></tr> <tr><td data-bbox="408 824 858 857">3.1- 3.5 months</td><td data-bbox="858 824 1380 857">9,5 cents</td></tr> <tr><td data-bbox="408 857 858 891">3.6 – 4 months</td><td data-bbox="858 857 1380 891">8,5 cents</td></tr> <tr><td data-bbox="408 891 858 925">4.1 – 4.5 months</td><td data-bbox="858 891 1380 925">7,5 cents</td></tr> <tr><td data-bbox="408 925 858 958">4.6 – 5 months</td><td data-bbox="858 925 1380 958">6,25 cents</td></tr> <tr><td data-bbox="408 958 858 992">5.1 – 6 months</td><td data-bbox="858 958 1380 992">5,75 cents</td></tr> <tr><td data-bbox="408 992 858 1025">6.1 – 7 months</td><td data-bbox="858 992 1380 1025">4,75 cents</td></tr> <tr><td data-bbox="408 1025 858 1059">7.1 – 8 months</td><td data-bbox="858 1025 1380 1059">4 cents</td></tr> <tr><td data-bbox="408 1059 858 1093">8.1 – 9 months</td><td data-bbox="858 1059 1380 1093">3,75 cents</td></tr> <tr><td data-bbox="408 1093 858 1126">9.1 – 10 months</td><td data-bbox="858 1093 1380 1126">3,5 cents</td></tr> <tr><td data-bbox="408 1126 858 1160">10.1 – 11 months</td><td data-bbox="858 1126 1380 1160">3 cents</td></tr> <tr><td data-bbox="408 1160 858 1167">11.1– 12 months</td><td data-bbox="858 1160 1380 1167">2,75 cents</td></tr> </tbody> </table> <p>Penalty Calculation Example:</p> <p>For a Project with a value of R3, 000,000.00 and the contract period of 2 months, the penalty amount per calendar day will be as follows:</p> <p>From table above, select Works Project Period: 1.6 – 2 months From table above, select Rate per R100 of Estimate: 16.5 cents Calculate Individual Project Value divided by R100.00: $R3,000,000.00 \div R100.00 = R30,000.00$ Calculate Penalty Amount: $R30,000.00 \times 16.5 \text{ cents} = R30,000.00 \times 0.165$ R4,950.00 penalty per calendar day.</p>	WORKS PROJECT PERIOD	RATE PER R100 OF ESTIMATE	0-1 month	27,5 cents	1.1-1.5 months	22 cents	1.6 – 2 months	16,5 cents	2.1– 2.5 months	13,5 cents	2.6 – 3 months	11 cents	3.1- 3.5 months	9,5 cents	3.6 – 4 months	8,5 cents	4.1 – 4.5 months	7,5 cents	4.6 – 5 months	6,25 cents	5.1 – 6 months	5,75 cents	6.1 – 7 months	4,75 cents	7.1 – 8 months	4 cents	8.1 – 9 months	3,75 cents	9.1 – 10 months	3,5 cents	10.1 – 11 months	3 cents	11.1– 12 months	2,75 cents
WORKS PROJECT PERIOD	RATE PER R100 OF ESTIMATE																																		
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4.1 – 4.5 months	7,5 cents																																		
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5.1 – 6 months	5,75 cents																																		
6.1 – 7 months	4,75 cents																																		
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9.1 – 10 months	3,5 cents																																		
10.1 – 11 months	3 cents																																		
11.1– 12 months	2,75 cents																																		
5.16.3	<p>Add: The latent defects period is ten (10) years.</p>																																		
6.2.1	<p>Add: The Service Provider shall deliver to the Employer within such time as may be stated in the Contract Data a Performance Guarantee of an Insurance Company or Bank as security. The said Company or Bank shall be subject to approval by the Municipality. The security to be provided by the Contractor shall be a blanket performance guarantee of R2 000 000. The performance guarantee shall contain the precise wording of the document: Form of Performance Guarantee. The performance guarantee form is under C1.4 on page 69.</p>																																		
6.2.3	<p>Add: The expiry date shall be the date of the issue by the Municipality, of the Certificate of Completion of the Works.</p>																																		

CLAUSE	DESCRIPTION
6.3.2	Add the following to Clause 6.3.2: Any variation order must also be approved by the Client.
6.8.2	Replace: Contract Price Adjustment will not be applicable to this contract. The Contract Price shall be fixed over the term period. The tenderer will be required to submit fixed year 1 prices and a fixed percentage price escalation for years 2 and 3.
6.8.3	Replace: Price adjustments for variations in the costs of special materials are not allowed.
6.8.4	Add the following to Clause 6.8.4: Notwithstanding the above, in the event that a public holiday is proclaimed within 28 days before the closing date for tenders, no costs other than those that can be claimed under Clause 5.12.3 shall be added to the contract price.
6.10.3	Add the following to Clause 6.10.3: The Limit of retention money is 10% Notwithstanding the provision of a performance guarantee in terms of Clause 6.2.1, interim payments to the Contractors shall be subject to retention by the Employer of an amount of 10% of the said amounts due to the Service Provider. A guarantee in lieu of retention is not permitted.
6.10.4	Add the following to clause 6.10.4: Notwithstanding the above, the Employers Agent shall be empowered to withhold the delivery of the payment certificate until the Contractor has complied with his obligations to report in terms of Clause 4.10.2 and as described in the Scope of Work.
8.6.1.3	Add: The limit of indemnity for liability insurance required is R 20 000 000 for any single claim.
8.6.1.1.3	Replace: The amount to cover professional fees for repairing damages and loss to be included in the insurance sum is 10% of the value of the repair work.
10.4.1/10.7.1	Replace: The determination of disputes shall first be settled amicably, if this is option fails, it will be by taken on Adjudication then Arbitration (if no agreement can be reached).

PART 2: DATA PROVIDED BY THE SERVICE PROVIDER

CLAUSE	DESCRIPTION	
5.3	The authorized and designated representative of the Service Provider is:	
	Name:	
	The Service Provider's address for receipt of communications is	
	Physical address:	Postal address:
	Telephone:	
	Fax:	
E-mail:		

OBJECTIONS AND COMPLAINTS FORM (Part C1.3)

(1) Details of Objector/Complainant

Name: _____

Address: (postal and street): _____

Tel: _____ Fax: _____

Contact person: _____

Reference number of Tender: _____

Other Party's Details (If any)

Name: _____

Address: (postal and street): _____

Tel: _____ Fax: _____

Contact person: _____

Reference number of Tender: _____

Description of Issue[s] in Dispute: _____

List of Documents Attached

DETERMINATION SOUGHT IN RESPECT OF OBJECTION OR COMPLAINT

Form submitted by:

Name: _____

Signature _____

Position: _____

Date: _____

C1.4: PERFORMANCE GUARANTEE

For use with the General Conditions of Contract for Construction Works, Third Edition (2015).

GUARANTOR DETAILS AND DEFINITIONS

“Guarantor” means

“Physical” address

“Employer” means

“Contractor” means

“Employers Agent” means.....

“Works” means

“Site” means

“Contract” means: The Agreement made in terms of the Form of Offer and Acceptance and such amendments or additions to the Contract as may be agreed in writing between the parties.

“Contract Sum” means: The accepted amount inclusive of tax of R

Amount in words:

“Guaranteed Sum” means: The maximum aggregate amount of R

Amount in words:

Type of Performance Guarantee:(*Fixed*)

“Expiry Date” means:(Date of issue by the Employer)

CONTRACT DETAILS

Employer’s Agent issues: Interim Payment Certificates, Final Payment Certificate and the Certificate Completion of the Works as defined in the Contract.

PERFORMANCE GUARANTEE

1. The Guarantor’s liability shall be limited to the amount of the Guaranteed Sum.
2. The Guarantor’s period of liability shall be from and including the date of issue of this Performance Guarantee and up to the date of issue by the Employer’s Agent of the Certificate of Completion of the Works or the date of payment in full of the Guaranteed Sum, whichever occurs first. The Employer’s Agent and/or the Employer shall advise the Guarantor in writing of the date on which the Certificate of Completion of the Works has been issued.
3. The Guarantor hereby acknowledges that:

- 3.1. any reference in this Performance Guarantee to the Contract is made for the purpose of convenience and shall not be construed as any intention whatsoever to create an accessory obligation or any intention whatsoever to create a suretyship;
- 3.2. its obligation under this Performance Guarantee is restricted to the payment of money.
4. Subject to the Guarantor's maximum liability referred to in 1, the Guarantor hereby undertakes to pay the Employer the sum certified upon receipt of the documents identified in 4.1 to 4.3:
 - 4.1. A copy of a first written demand issued by the Employer to the Contractor stating that payment of a sum certified by the Employer's Agent in an Interim or Final Payment Certificate has not been made in terms of the Contract and failing such payment within seven (7) calendar days, the Employer intends to call upon the Guarantor to make payment in terms of 4.2;
 - 4.2. A first written demand issued by the Employer to the Guarantor at the Guarantor's physical address with a copy to the Contractor stating that a period of seven (7) days has elapsed since the first written demand in terms of 4.1 and the sum certified has still not been paid;
 - 4.3. A copy of the aforesaid payment certificate which entitles the Employer to receive payment in terms of the Contract of the sum certified in 4.
5. Subject to the Guarantor's maximum liability referred to in 1, the Guarantor undertakes to pay to the Employer the Guaranteed Sum or the full outstanding balance upon receipt of a first written demand from the Employer to the Guarantor at the Guarantor's physical address calling up this Performance Guarantee, such demand stating that:
 - 5.1. the Contract has been terminated due to the Contractor's default and that this Performance Guarantee is called up in terms of 5; or
 - 5.2. a provisional or final sequestration or liquidation court order has been granted against the Contractor and that the Performance Guarantee is called up in terms of 5; and
 - 5.3. the aforesaid written demand is accompanied by a copy of the notice of termination and/or the provisional/final sequestration and/or the provisional liquidation court order.
6. It is recorded that the aggregate amount of payments required to be made by the Guarantor in terms of 4 and 5 shall not exceed the Guarantor's maximum liability in terms of 1.
7. Where the Guarantor has made payment in terms of 5, the Employer shall upon the date of issue of the Final Payment Certificate submit an expense account to the Guarantor showing how all monies received in terms of this Performance Guarantee have been expended and shall refund to the Guarantor any resulting surplus. All monies refunded to the Guarantor in terms of this Performance Guarantee shall bear interest at the prime overdraft rate of the Employer's bank compounded monthly and calculated from the date payment was made by the Guarantor to the Employer until the date of refund.

8. Payment by the Guarantor in terms of 4 or 5 shall be made within seven (7) calendar days upon receipt of the first written demand to the Guarantor.
9. Payment by the Guarantor in terms of 5 will only be made against the return of the original Performance Guarantee by the Employer.
10. The Employer shall have the absolute right to arrange his affairs with the Contractor in any manner which the Employer may deem fit and the Guarantor shall not have the right to claim his release from this Performance Guarantee on account of any conduct alleged to be prejudicial to the Guarantor.
11. The Guarantor chooses the physical address as stated above for the service of all notices for all purposes in connection herewith.
12. This Performance Guarantee is neither negotiable nor transferable and shall expire in terms of 2, where after no claims will be considered by the Guarantor. The original of this Guarantee shall be returned to the Guarantor after it has expired.
13. This Performance Guarantee, with the required demand notices in terms of 4 or 5, shall be regarded as a liquid document for the purposes of obtaining a court order.
14. Where this Performance Guarantee is issued in the Republic of South Africa the Guarantor hereby consents in terms of Section 45 of the Magistrate's Courts Act No. 32 of 1944, as amended, to the jurisdiction of the Magistrate's Court of any district having jurisdiction in terms of Section 28 of the said Act, notwithstanding that the amount of the claim may exceed the jurisdiction of the Magistrate's Court.

Signed at

Date

Guarantor's signatory (1)

Capacity

Guarantor's signatory (2)

Capacity

Witness signatory (1)

Witness signatory (2)

PRICING DATA (Part C2)

ALL Documents and Schedules MUST BE RETURNED (SUBMITTED) for the TENDER to be Evaluated.

PART C2

Part C2.1 Pricing Instructions

Part C2.2 Pricing Schedule

C2.1 PRICING INSTRUCTIONS

Pricing Assumptions mean the criteria as set out below, read together with all Parts of this framework contract document, which it will be assumed in the contract, that the tenderer has taken into account when developing his prices (rates).

These Pricing Assumptions are applicable to the Schedules of Rates in this document. Pricing Assumptions applicable to the Bills of Quantities in Works Project contract documents are provided in such documents.

1. The method of measurement prepared by the Committee of Transport Officials in part C of the COTO Standard Specifications for Road and Bridge Works for State Road Authorities (October 2020) is applicable, subject to the variations and amendments in the respective "Measurement and Payment" clauses in the particular specifications contained in Part C3.4 Construction in the Scope of Work.
2. Descriptions in the Schedules of Rates are abbreviated and comply generally with those in the Standardised Specifications. The measurement and payment clauses of each Standardised Specification, read together with the relevant clauses of the Scope of Work, set out what ancillary or associated activities are included in the rates for the operations specified. Should any requirements of the measurement and payment clause of the applicable Standardised Specification, or the Scope of Work, conflict with the terms of the Schedules of Rates, the requirements of the Standardised Specification or Scope of Work, as applicable, shall prevail.
3. The measurement and payment clauses in a specification in which further information regarding the scheduled items is given, are referenced under "Item" (pay items) in the Schedules of Rates. The referenced clauses are not necessarily the only sources of information in respect of scheduled items. Further information and specifications may be found elsewhere in the Contract Documents. Standardised Specifications are identified by the first two digits of the specifications, eg 1.3 for COTO Section 1.3.
4. Unless otherwise stated, items are measured in accordance with the standard drawings where applicable and standard specifications, and no allowance is made for waste.
5. This contract is rates based. The tender will be evaluated by means of a basket of rates (mock project) to determine value for money. The total cost over the three years for a mock project will be used for evaluation purposes by means of the fixed year 1 rates and the escalated percentages of years 2 and 3 provided by the bidder.
Note: Quantities in the pricing schedule is 1 and thus a quantity column is not included.
6. The quantities that will be set out for a specific project during project stage might increase or decrease as the contract are re-measurable for each project. The final Contract Price for each completed Project shall be computed from the actual quantities of work done, valued at the relevant rates.
7. Rates inserted in the Schedules of Rates are deemed to be based on Acts, Ordinances, Regulations, By-laws, International Standards and National

Standards that were published 28 days before the closing date for tenders. (Refer to www.stanza.org.za or www.iso.org for information on standards).

8. The rates (excluding VAT) inserted in the Schedules of Rates shall be the full inclusive rates for the work described under the several items. Such rates shall cover all costs and expenses that may be required in and for the execution of the work described, and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the documents on which the tender is based, as well as overhead charges and profit. Reasonable rates 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.

Where the Scope of Work requires detailed drawings and designs or other information to be provided, all costs associated therewith shall be provided for and included in the rates tendered for such items.

9. A rate is to be entered against each item in the Schedules of Rates. An item against which no rate (or rates, in the case of rate categories if provided) is/are entered, or if anything other than a rate or a nil rate (for example, a zero, a dash or the word “included” or abbreviations thereof) is entered against an item, it will also be regarded as a nil rate having been entered against that item, i.e. that there is no charge for that item. The Tenderer may be requested to clarify nil rates, or items regarded as having nil rates; and the Employer may also perform a risk analysis with regard to the reasonableness of such rates.

10. The units of measurement described in the Schedules of Rates are metric units. Abbreviations which may be used in these Schedules of Rates are as follows:

mm	=	Millimetre	h	=	hour
m	=	Metre	kg	=	kilogram
km	=	Kilometre	t	=	ton (1000 kg)
km-pass	=	kilometre-pass	No.	=	number
m ²	=	square metre	sum	=	lump sum
m ² .pass	=	square metre-pass	MN	=	meganewton
ha	=	Hectare	MN.m	=	meganewton-metre
m ³	=	cubic metre	P C sum	=	Prime Cost sum
m ³ .km	=	cubic metre-kilometre	Prov sum	=	Provisional sum
l	=	Litre	%	=	per cent
kl	=	Kilolitre	kW	=	kilowatt
MPa	=	Megapascal	day	=	Working day
kPa	=	Kilopascal			

11. Tenderers shall provide rates for the execution of items as specified in the Schedules of Rates. Unless otherwise described in the items in the Schedules of Rates, all rates (sums in particular) apply to individual projects.
12. Rates submitted in the respective Schedules of Rates shall apply to projects executed anywhere within the entire Saldanha Bay Municipal area.

13. The provisional sum or provisional lump sum is the allowance inserted for a specific element of work in the tender document for work that has not been defined in enough details for that specific piece of work due to the nature of the work. The provisional sum inserted by the client will stand for the duration of the contract from the commencement date. The provisional sum cannot exceed the specific amount for that specific item in the BOQ which include contractor's administration, handling fee as well as profit. The contractor's overhead costs will be at 10%. The entire provisional amount sum can be used in portions as the need arise for that specific item but cannot exceed the cap amount indicated for that item in the BOQ for a specific project. The provisional sum can only be used once written confirmation has been given to the contractor from the client for a specific item. Should the client use the Prov. Sum item the contractor must provide the client with a quotation for the specific item which will include cost of product, percentage handling fee, administration fee, profit as well as the 10% overhead charges. Should the contractor make use of a third party (sub-contractor) the contractor shall include 3 quotations for review and approval by the Employer' Agent, prior to the work which will include cost of product, percentage handling fee, administration fee as well as the 10% overhead charges.

C2.2 PRICING SCHEDULE

Contents

1. Contractor's site establishment & General obligations
2. Site Clearance
3. General Requirements & trenching for services
4. Drainage
5. Earthworks & Pavement Layers: Materials
6. Earthworks & Pavement Layers: Construction
7. Surface Treatment
8. Asphalt Layers
9. Segmented Paving
10. Ancillary Roadworks
11. Roadmarking
12. Environmental Management
13. CIR
14. Ultra-Thin Asphalt
15. Speedhumps and Raised Pedestrian Crossing
16. Health & Safety Requirements

C.2.2 PRICING SCHEDULE

TENDER FOR ROAD CONSTRUCTION AND ANCILLARY WORKS IN THE SALDANHA BAY MUNICIPALITY AREA.							
SBM 29/25/26							
SECTION 1 : CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS							
ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
A1	C1.3.1	<u>The Contractor's General Obligations</u>					
A1.1	C1.3.1.1	a) Fixed obligations (Rate included in prices)	Rate included				
A1.2	C1.3.1.2	b) Time-related obligations (Rate included in prices)	Rate included				
A1.3	C1.3.1.3	c) E. O. for working on Sundays and other special non-working days	Day				
A1.4	C1.3.1.4	e) E. O. subitem C1.3.1.3 (b) for working at night	Day				
A1.5	C1.3.1.5	e) E. O. for claiming standing time	Day				
A2	C1.3.2	<u>Contract sign boards</u>	m ²				

TENDER FOR ROAD CONSTRUCTION AND ANCILLARY WORKS IN THE SALDANHA BAY MUNICIPALITY AREA.

SBM 29/25/26

SECTION 1 : CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
A3	C1.5	<u>Accommodation of traffic and maintaining - included in rates</u>	Rate included				
A3.1	C1.2.8	DAYWORKS (Upon instruction of Employers Agent)					
A3.1.1	C1.2.8.1	Labour Charges					
A3.1.1.1		a) Labourer	man-hr				
A3.1.1.2		a.1) Unskilled	man-hr				
A3.1.1.3		a.2) Semi-skilled	man-hr				
A3.1.1.4		a.3) Skilled	man-hr				
A3.1.1.5		b) Senior or General Foreman	man-hr				
A3.1.1.6		c) Foreman	man-hr				
A3.1.1.7		d) Junior Foreman	man-hr				
A3.1.1.8		e) Flagman	man-hr				
A3.1.1.9		g) Land Surveyor (all survey related work)	man-hr				
A3.1.1.9.1		g1) Civil Engineer (For all as -build drawings when required)	man-hr				
A3.1.1.10		h) Security Grade: (This item can only be utilised upon instruction by the Employer's Agent)					

TENDER FOR ROAD CONSTRUCTION AND ANCILLARY WORKS IN THE SALDANHA BAY MUNICIPALITY AREA.

SBM 29/25/26

SECTION 1 : CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
A3.1.1.10.1		h.1) Grade A	man-hr				
A3.1.1.10.2		h.2) Grade B	man-hr				
A3.1.1.10.3		h.3) Grade C	man-hr				
A3.1.1.10.4		h.4) Grade D	man-hr				
A3.1.1.10.5		h.5) Grade E	man-hr				
A3.2	C1.2.8.2	Construction Equipment (Upon instruction by Employer's Agent)					
A3.2.1		a) Wheel loader (60kW)	hr				
A3.2.2		b) Backhoe/loader (55kW)	hr				
A3.2.3		c) Tracked excavator (120kW)	hr				
A3.2.4		d) Motor grader (110 kW)	hr				
A3.2.5		e) Tip truck					
A3.2.5.1		i) Capacity of 6m³	hr				
A3.2.5.2		ii) Capacity of 10m³	hr				
A3.2.6		f) Self - propelled smooth vibrating roller (9t)	hr				
A3.2.7		g) Walk - behind vibrating roller (1t)	hr				
A3.2.8		h) Pneumatic roller (>9t)					

TENDER FOR ROAD CONSTRUCTION AND ANCILLARY WORKS IN THE SALDANHA BAY MUNICIPALITY AREA.

SBM 29/25/26

SECTION 1 : CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
A3.2.9		i) Plate compactor	hr				
A3.2.10		j) Water cart (9000 litre)	hr				
A3.2.11		k) Compressor	hr				
A3.2.12		l) Generator	hr				
A3.2.13		m) LDV (1t)	hr				

SECTION 1: SITE CLEARANCE

ITEM	PAY REF	DESCRIPTION	UNIT	Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	R
A4	C1.6	CLEARING AND GRUBBING (Upon instruction by Employer's Agent)					
A4.1	C1.6.1	Clearing					
A4.1.1	C1.6.1.1	Clearing with machines and some hand labour where necessary	ha				
A4.1.2	C1.6.1.2	Clearing with hand labour only when labour enhanced work is specified	ha				
A4.1.3	C1.6.1.3	Clearing for new fence lines (over a width of 2.0 m)	km				
A4.1.4	C1.6.1.4	Clearing for service trenches (over the agreed width required)	m ²				

TENDER FOR ROAD CONSTRUCTION AND ANCILLARY WORKS IN THE SALDANHA BAY MUNICIPALITY AREA.

SBM 29/25/26

SECTION 1 : CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
A4.2	C1.6.2	Grubbing					
A4.2.1	C1.6.2.1	Grubbing with machines and some hand labour where necessary	ha				
A4.2.2	C1.6.2.2	Grubbing with hand labour when labour enhancement work is specified or it is not practical to use a machine	ha				
A4.2.3	C1.6.2.3	Grubbing by hand for new fence lines (over a width of 2,0 m	km				
A4.2.4	C1.6.2.4	Grubbing by hand for service trenches (over the agreed width required)	m ²				
A4.3	C1.6.3	Removal and grubbing of large trees and tree stumps:					
A4.3.1	C1.6.3.1	Girth equal to or exceeding 1,0 m up to and including 2,0 m	No				
A4.3.2	C1.6.3.2	Girth exceeding 2,0 m up to and including 3,0 m	No				
A4.3.3	C1.6.3.3	Girth exceeding 3,0 m	No				
A4.3.4	C1.6.3.4	Removal of trees in forests and plantations	No				
A4.4	C1.6.4	Removal of small buildings and structures (Lump sum amount to a maximum of R50 000 per project. Bidder to provide 3 quotation for approval) This item can only be used on written request and approval by the employer's agent	Lump Sum	R 50,000.00			
TOTAL							

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SECTION 1 : CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	

SECTION 2: GENERAL REQUIREMENTS AND TRENCHING FOR SERVICES

ITEM B		DESCRIPTION	UNIT	Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	R
B1	C2.1.6	Trench excavation (in soft material)					
B1.1	C2.1.6.1	<u>Trenches up to 1,0 m wide</u> a) Up to 1,0 m deep b) Over 1,0 m and up to 2,0 m deep c) Over 2,0 m deep c.1) >2,0m up to 3m deep	m m m				
B1.2	C2.1.6.2	<u>Trenches over 1,0 m and up to 2,0 m wide</u> a) Up to 1,0 m deep b) Over 1,0 m and up to 2,0 m deep c) Over 2,0 m deep c.1) >2,0m up to 3m deep	m m m				
B1.3	C2.1.6.2	<u>Trenches over 2,0 m and up to 5,0 m wide</u>					

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
B1.4	C2.1.7	a) Up to 1,0 m deep	m				
		b) Over 1,0 m and up to 2,0 m deep	m				
		c) Over 2,0 m deep					
		c.1) >2,0m up to 3m deep	m				
		<u>Extra over items C2.1.6, C2.1.8 and C2.1.16 for excavating in:</u>					
	C2.1.7.1	Hard material irrespective of depth	m ³				
	C2.1.7.2	Stabilised material irrespective of depth	m ³				
B1.5	C2.1.11	Backfilling of trenches					
B1.5.1	C2.1.11.1	Backfill compacted to 93 % (100 % for sand) of MDD (areas subject to traffic loads) using material:					
B1.5.1.1		a) From the excavated trench material	m ³				
B1.5.1.2		b) From other excavations on site	m ³				
B1.5.1.3		c) From approved borrow areas	m ³				
B1.5.1.4		d) From sources provided by the Contractor	m ³				
B1.5.1.5		e) From commercial sources (state material type)	m ³				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
B1.6	C2.1.12	Backfilling additional excavations in trench floors due to poor founding conditions using:					
B1.6.1	C2.1.12.2	Concrete aggregate (state size):					
B1.6.1.1	C2.1.12.2.1	Concrete aggregate (37,5 mm aggregate size)					
B1.6.1.2	C2.1.12.2.2	Concrete aggregate (26,5 mm aggregate size)	m ³				
B1.6.1.3	C2.1.12.2.3	Concrete aggregate (19 mm aggregate size)	m ³				
B1.6.1.4	C2.1.12.2.4	Concrete aggregate (13,2 mm aggregate size)	m ³				
B1.6.2	C2.1.12.3	Concrete (state class)					
B1.6.2.1	C2.1.12.3.1	Concrete (M15)	m ³				
B1.6.2.2	C2.1.12.3.2	Concrete (M25)	m ³				
B1.6.2.3	C2.1.12.3.3	Concrete (M30)	m ³				
B1.6.3	C2.1.13	Extra over item C2.1.11 for backfilling with soil cement or stabilised material					
B1.6.3.1	C2.1.13.4	Cement (state class of cement)					
B1.6.3.1.1	C2.1.13.4.1	Cement (32.5 grade)	kg				
B1.6.3.1.2	C2.1.13.4.2	Cement (42.5 grade)	kg				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
B1.6.3.1.3	C2.1.13.4.3	Cement (52.5 grade)	kg				
B1.6.4	C2.1.18	Timbering, strutting and shoring					
B1.6.4.1	C2.1.18.1	Timbering, strutting and shoring left in excavations	m ²				
B1.6.4.2	C2.1.18.1	Timbering, strutting and shoring remove from excavations	m ²				
B1.6.5	C2.1.21	Supply and installation of sandbags in trenches					
B1.6.5.1	C2.1.21.1	Biodegradable bags (25kg,35x25x40, sand)	No				
B1.6.5.2	C2.1.21.2	Geofabric bags (25kg,35x25x40, sand)	No				
B1.6.6	C2.1.23	Reinstatement of trenches in existing surfaced roads using:					
B1.6.6.1	C2.1.23.1	Selected material (G7, commercial, 150mm) compacted to (93) % of MDD	m ³				
B1.6.6.2	C2.1.23.2	Subbase material (G5, commercial, 150mm) compacted to (93) % of MDD	m ³				
B1.6.6.3	C2.1.23.4	Base material (G3, commercial, 150mm) compacted to (97) % of MDD	m ³				
B1.6.6.4	C2.1.23.5	Prime coat (Invert bitumen emulsion,The nominal rate of application of prime coat shall be 0.7 l/m ²)	m ²				
B1.6.6.5	C2.1.23.6	Tack coat (30% stable grade emulsion ,The nominal rate of application of tack coat shall be 0.7 l/m ²)	m ²				

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SECTION 1 : CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
B1.6.6.6	C2.1.23.7	Asphalt material (continuously graded, 30mm)	t				
B1.6.7	C2.1.24	Saw-cutting before excavation					
B1.6.7.1	C2.1.24.1	Saw-cutting asphalt to an average depth:					
B1.6.7.1.1		a) Not exceeding 50 mm	m ²				
B1.6.7.1.2		b) Exceeding 50 mm but not exceeding 100 mm	m ²				
B1.6.7.1.3		c) Exceeding 100 mm but not exceeding 150 mm	m ²				
B1.6.7.2	C2.1.24.2	Saw-cutting concrete to an average depth:					
B1.6.7.2.1		a) Not exceeding 50 mm	m ²				
B1.6.7.2.2		b) Exceeding 50 mm but not exceeding 100 mm	m ²				
B1.6.7.2.3		c) Exceeding 100 mm but not exceeding 150 mm	m ²				
B1.6.8	C2.1.27	Demolition of existing manholes, access chambers and other service structures consisting of:					
B1.6.8.1	C2.1.27.1	Unreinforced concrete	m ³				
B1.6.8.2	C2.1.27.2	Reinforced concrete	m ³				
B1.6.8.3	C2.1.27.3	Masonry	m ³				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
B1.7	C2.2.1	Supply, lay and prove ducts					
B1.7.1	C2.2.1.1	HDPE pliable type N450 with compression couplings					
B1.7.1.1		a) 110mm diameter	m				
B1.7.1.2		b) 160mm diameter	m				
B1.7.1.3		c) 200mm diameter	m				
B1.7.2	C2.2.1.2	PVC cable duct pipe socketed with couplings					
B1.7.2.1		a) 110mm diameter	m				
B1.7.2.2		b) 160mm diameter	m				
B1.7.2.3		c) 200mm diameter	m				
B1.7.3	C2.2.4	Bedding for ducts compacted to 90 % of MDD (100 % for sand) using material:					
B1.7.3.1	C2.2.4.1	Selected from the excavated trench material	m ³				
B1.7.3.2	C2.2.4.5	From commercial sources	m ³				
B1.7.4	C2.2.5	Concrete for bedding and encasement of ducts					

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
B1.7.4.1	C2.2.5.1	Concrete bedding (state class of concrete)					
B1.7.4.1.1		a) Concrete (M15)	m ³				
B1.7.4.1.2		b) Concrete (M25)	m ³				
B1.7.4.1.3		c) Concrete (M30)	m ³				
B1.7.4.2	C2.2.5.2	Concrete encasement of ducts (state class of concrete)					
B7.7.4.2.1		a) Concrete (M15)	m ³				
B7.7.4.2.2		b) Concrete (M25)	m ³				
B7.7.4.2.3		c) Concrete (M30)	m ³				

SECTION 3: DRAINAGE

ITEM	PAY REF	DESCRIPTION	UNIT	Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	R
C	C3.1	DRAINS					

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
					BASE RATES	_____ %	_____ %
C1	C3.1.1	Excavation for open drains:					
C1.1	C3.1.1.1	Excavating all material situated within the following depth ranges below the surface level using conventional methods:					
C1.1.1		a) 0 m to 1,5 m	m ³				
C1.1.2		b) Exceeding 1,5 m and up to 3,0 m	m ³				
C1.2	C3.1.1.2	Extra over sub-item C3.1.1.1 for excavation in hard and boulder material, irrespective of depth	m ³				
C1.3	C3.1.2	Clearing, shaping and disposal of accumulated sediment in existing unlined open drains					
C1.3.1	C3.1.2.1	Using conventional methods	m ³				
C1.3.2	C3.1.2.2	Using labour enhanced construction methods	m ³				
C1.4	C3.1.3	Excavation, clearing and disposal of accumulated sediment in existing lined drains and drainage systems					
C1.4.1	C3.1.3.1	Using conventional methods (up to 1,5 m):					

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
C1.4.1.1		a) Manholes and inlet and outlet structures	m ³				
C1.4.1.2		b) Culvert barrels	m ³				
C1.4.1.3		c) Concrete or other lined side drains	m ³				
C1.4.2	C3.1.3.2	Using conventional methods (in excess of 1,5 m):					
C1.4.2.1		a) Manholes and inlet and outlet structures	m ³				
C1.4.2.2		b) Culvert barrels	m ³				
C1.4.2.3		c) Concrete or other lined side drains	m ³				
C1.4.3	C3.1.3.3	Using labour enhanced construction methods:					
C1.4.3.1		a) Manholes and inlet and outlet structures	m ³				
C1.4.3.2		b) Culvert barrels	m ³				
C1.4.3.3		c) Concrete or other lined side drains	m ³				
C1.5	C3.1.4	Excavation and disposal of material for subsoil drainage systems:					
C1.5.1	C3.1.4.1	Excavating in all material situated within the following depth ranges below the surface:					

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
C1.5.1.1		a) 0 m to 1,5 m	m ³				
C1.5.1.2		b) Exceeding 1,5 m and up to 3,0 m	m ³				
C1.5.2	C3.1.5	Impermeable backfilling to subsoil drainage systems					
C1.5.2.1	C3.1.5.1	Un-stabilised natural gravel obtained from approved sources on the site	m ³				
C1.5.2.2	C3.1.5.2	G5 material obtained from commercial sources	m ³				
C1.5.3	C3.1.7	Natural permeable material in subsoil drainage systems (approved crushed stone):					
C1.5.3.1	C3.1.7.2	Crushed stone obtained from commercial sources (course grade and 20mm - 27mm nominal aggregate size)	m ³				
C1.5.4	C3.1.8	Natural permeable material in subsoil drainage systems (approved natural sand):					
C1.5.4.1	C3.1.8.2	Natural sand from commercial sources (Medium grade)	m ³				
C1.5.5	C3.1.9	Pipes in subsoil drainage systems:					
C1.5.5.1	C3.1.9.1	U-PVC pipings and fittings, normal duty with couplings (110mm Internal Dia and perforated/slotted)	m				
C1.5.6	C3.1.11	Geotextiles (indicate type, grade, etc.)					

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:			Contractor:
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
C1.5.6.1		Synthetic - fibre filter fabric (woven polypropylene, grade S120)	m ²				
C1.5.6.2		Synthetic - fibre filter fabric (non-woven polyester, grade A1)	m ²				
C1.5.6.3		Synthetic - fibre filter fabric (non-woven polyester, grade A2)	m ²				
C1.5.6.4		Synthetic - fibre filter fabric (non-woven polyester, grade A3)	m ²				
C1.5.6.5		Synthetic - fibre filter fabric (non-woven polyester, grade A4)	m ²				
C1.5.7	C3.1.13	Concrete outlet structures, manhole boxes, junction boxes and cleaning eyes for sub-soil drainage system					
C1.5.7.1	C3.1.13.1	Concrete Outlet Structure (Standard Drawings)	No				
C1.5.7.2	C3.1.13.2	Manhole Box (Standard Drawings)	No				
C1.5.7.3	C3.1.13.3	Junction Box (Standard Drawings)	No				
C1.5.7.4	C3.1.13.4	Cleaning Eye (Standard Drawings)	No				
C1.5.8	C3.1.15	Repairing or replacing existing drainage systems and breaking into existing drainage structures. Bidder to provide three quotations	Prov Sum	R 50,000.00			
C1.5.9	C3.1.21	Clearing of existing subsoil drains					
C1.5.9.1	C3.1.21.1	Cleaning rod, brush and flushing	m				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
C1.5.9.2	C3.1.21.2	Hydro jetting	m				
C1.5.10	C3.1.22	Test flushing of subsoil drain pipe systems	No				
C1.5.11		Cleaning of any other drainage system (Item not be used for routine maintenance. Only to be used upon instruction by Employer's Agent)	m				
C2	C3.2	CULVERTS & PIPES	UNIT	Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	R
C2.1	C3.2.1	Excavation for culvert structures:					
C2.1.1	C3.2.1.1	Excavating in all material situated within the following depth ranges below the surface level:					
C2.1.1.1		a) 0 m to 1,5 m	m ³				
C2.1.1.2		b) Exceeding 1,5 m and up to 3,0 m	m ³				
C2.2	C3.2.2	Backfilling:					
C2.2.1	C3.2.2.1	Using the excavated material	m ³				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
C2.2.2	C3.2.2.2	Using imported selected material:					
C2.2.2.1		a) From commercial sources (G5 material)	m ³				
C2.3	C3.2.3	Supply, handle and lay Concrete pipe culverts:					
C2.3.1	C3.2.3.1	On Class A bedding (type and diameter indicated)					
C2.3.1.1		a) S-Load Portal Culverts, 600x300	m				
C2.3.1.2		b) S-Load Portal Culverts, 600x450	m				
C2.3.1.3		c) S-Load Portal Culverts, 600x600	m				
C2.3.1.4		d) S-Load Portal Culverts, 750x300	m				
C2.3.1.5		e) S-Load Portal Culverts, 750x450	m				
C2.3.1.6		f) S-Load Portal Culverts, 750x600	m				
C2.3.1.7		g) S-Load Portal Culverts, 750x750	m				
C2.3.1.8		h) S-Load Portal Culverts, 900x300	m				
C2.3.1.9		i) S-Load Portal Culverts, 900x450	m				
C2.3.1.10		j) S-Load Portal Culverts, 900x600	m				
C2.3.1.11		k) S-Load Portal Culverts, 900x750	m				

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SECTION 1 : CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
C2.3.1.12		l) S-Load Portal Culverts, 900x900	m				
C2.3.1.13		m) S-Load Portal Culverts, 1200 to 1800 x 300 to 1800 (various span ranges from 1200dia to a maximum of 1800dia and heights as from 300dia to maximum of 1800dia)	m				
C2.4		Supply, handle and Lay Precast Culvert Base Slabs					
C2.4.1		450 x 450mm	No				
C2.4.2		600 x 600mm	No				
C2.4.3		750 x 750mm	No				
C2.4.4		900 x 900mm	No				
C2.4.5		1200 x 1200mm	No				
C2.4.6		1500 x 1500mm	No				
C2.4.7		1800 x 1800mm	No				
C2.3.1.14		Precast Concrete Wingwall Units (to be used upon employer's agent instruction) Three quotes to be provided. Maximum amount of R100 000 to be utilised for a specific project.	Prov Sum	R 100,000.00			
C2.3.2		Concrete Pipes (all inclusive)					
C2.3.2.1		Supply and Lay Spiggot and Socket and Ogee Concrete Pipes Unreinforced					

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
C2.3.2.1.1		a) 300mm dia, class 100D	m				
C2.3.2.1.2		b) 375mm dia, class 100D	m				
C2.3.2.1.3		c) 450mm dia, class 75D	m				
C2.3.2.1.4		d) 525mm dia, class 75D	m				
C2.3.2.1.5		e) 600mm dia, class 75D	m				
C2.3.3		Supply and Lay Spiggot and Socket Concrete Pipes Reinforced					
C2.3.3.1		a) 675mm dia, class 100D	m				
C2.3.3.2		b) 750mm dia, class 100D	m				
C2.3.3.3		c) 825mm dia, class 100D	m				
C2.3.3.4		d) 900mm dia, class 100D	m				
C2.3.3.5		e) 975mm dia, class 100D	m				
C2.3.3.6		f) 1200mm dia, class 100D	m				
C2.4	C3.2.10	Reinforcement:					
C2.4.1	C3.2.10.1	Mild steel bars	t				
C2.4.2	C3.2.10.2	High-tensile steel bars	t				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
C2.5	C3.2.16	Supply, Lay and Construct Brickwork (Engineering bricks):					
C2.5.1	C3.2.16.1	115 mm thick	m ²				
C2.5.2	C3.2.16.2	230 mm thick	m ²				
C2.5.3	C3.2.16.3	345 mm thick	m ²				
C2.6.1	C3.2.17	Plaster (all inclusive)	m ²				
C2.6.2		Concrete Screed (all inclusive)	m ²				
C2.7		Accessories: (Manhole frames, covers, inlet grates, gratings, step irons etc) Vendor to provide three quotations. Scope and applicable drawings to be provided at project stage.	Prov Sum	R 50,000.00			
C2.8		Manholes, catchpits, precast inlet and outlet structure complete: Vendor to provide three quotations. Scope and applicable drawings to be provided at project stage.	Prov Sum	R 50,000.00			
C2.9		Manhole, Chambers (shaft sections and slabs - SANS 1294) full supply and installation					
C2.9.1		All inclusive (cast in-situ foundation, chamber section, reducer slab, cover adopter slab, concrete frame, manhole lid)					

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
C2.9.1.1		Normal diameter 750mm, length 250mm	No				
C2.9.1.2		Normal diameter 750mm, length 500mm	No				
C2.9.1.3		Normal diameter 750mm, length 1000mm	No				
C2.9.1.4		Normal diameter 1000mm, length 250mm	No				
C2.9.1.5		Normal diameter 1000mm, length 500mm	No				
C2.9.1.6		Normal diameter 1000mm, length 1000mm	No				
C2.9.1.7		Normal diameter 1250mm, length 250mm	No				
C2.9.1.8		Normal diameter 1250mm, length 500mm	No				
C2.9.1.9		Normal diameter 1250mm, length 1000mm	No				
C2.9.1.10		Normal diameter 1500mm, length 250mm	No				
C2.9.1.11		Normal diameter 1500mm, length 500mm	No				
C2.9.1.12		Normal diameter 1500mm, length 1000mm	No				
C2.9.1.13		Normal diameter 1800mm, length 250mm	No				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
C2.9.1.14		Normal diameter 1800mm, length 500mm	No				
C2.9.1.15		Normal diameter 1800mm, length 1000mm	No				
C2.9.2		WATER AND SEWERAGE PIPES (All inclusive rate)					
C2.9.2.1		Removal of asbestos pipes (discard to approval landfill site) Rate to include removal and discard	m				
C2.9.2.2		Removal of cast iron pipes (Rate include removal and discard)	m				
C2.9.2.3		Removal of pvc pipes (rate include removal and discard)	m				
C2.9.2.4		Water Pipes and Fittings					
		Supply, handle, lay and bed (Class C bedding), joint (bell and spigot ended), test and disinfect pipes with couplings:					
C2.9.2.4.1		Class 12					
C2.9.2.4.1.1		a) 63 mm dia uPVC Class 12	m				
C2.9.2.4.1.2		b) 75 mm dia uPVC Class 12	m				

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SECTION 1 : CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
C2.9.2.4.1.3		c) 110 mm dia uPVC Class 12	m				
C2.9.2.4.1.4		d) 160 mm dia uPVC Class 12	m				
C2.9.2.4.1.5		e) 200 mm dia uPVC Class 12	m				
C2.9.2.5		PIPE FITTINGS Supply, lay, handle, bed (Class C bedding), joint, as specified including cutting pipes to lengths where required, test and disinfect for specials:					
C2.9.2.5.1		Reducers for uPVC Pipes					
C2.9.2.5.1.1		a) 75 x 63 mm dia ductile iron	No				
C2.9.2.5.1.2		b) 110 x 75 mm dia ductile iron	No				
C2.9.2.5.1.3		c) 160 x 110 mm dia ductile iron	No				
C2.9.2.5.1.4		d) 200 x 160 mm dia ductile iron	No				
C2.9.2.5.2		Bends for uPVC Pipes - class 12					
C2.9.2.5.2.1		a) 63 mm dia uPVC Class 12	No				
C2.9.2.5.2.2		b) 75 mm dia uPVC Class 12	No				
C2.9.2.5.2.3		c) 110 mm dia uPVC Class 12	No				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
C2.9.2.5.2.4		d) 160 mm dia uPVC Class 12	No				
C2.9.2.5.2.5		e) 200 mm dia uPVC Class 12	No				
C2.9.2.5.3		For any other water pipe fittings and materials	Prov Sum	R 50,000.00			
C2.9.2.5.4		Sewer Pipes and Fittings					
		Supply, handle, lay and bed (Class C bedding):					
C2.9.2.5.4.1		PVC Structure Wall Pipe (SANS 1601)					
C2.9.2.5.4.1.1		a) 110 mm dia plain ended	m				
C2.9.2.5.4.1.2		b) 160 mm dia plain ended	m				
C2.9.2.5.4.1.3		c) 110 mm dia socketed	m				
C2.9.2.5.4.1.4		d) 160 mm dia socketed	m				
C2.9.2.5.4.2		PVC Solid Wall Pipe (SANS 791)					
		Heavy duty class 34					
C2.9.2.5.4.2.1		a) 110 mm dia plain ended	m				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
C2.9.2.5.4.2.2		b) 160 mm dia plain ended	m				
C2.9.2.5.4.2.3		c) 110 mm dia socketed	m				
C2.9.2.5.4.2.4		d) 160 mm dia socketed	m				
C2.9.2.5.5		For any other sewer pipe fittings and materials	Prov Sum	R 50,000.00			
C2.10		Raising or lowering of existing manholes, frames and chambers:					
C2.10.1		(a) Manholes					
C2.10.1.1		(i) Up to 40 mm	No				
C2.10.1.2		(ii) Exceeding 40mm and up to 80mm	No				
C2.10.1.3		(iii) Exceeding 80mm and up to 120mm	No				
C2.10.2		(b) Telecommunication manholes					
C2.10.2.1		(i) Up to 40 mm	No				
C2.10.2.2		(ii) Exceeding 40mm and up to 80mm	No				
C2.10.2.3		(iii) Exceeding 80mm and up to 120mm	No				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
C2.10.3		(c) Water hydrants, belltobies, etc.					
C2.10.3.1		(ii) Exceeding 40mm and up to 80mm	No				
C2.10.3.2		(iii) Exceeding 80mm and up to 120mm	No				
C2.10.3.3		(iii) Up to 120mm	No				
C2.10.3.4		(iv) Using Zubri Ring (30-40mm) : Heavy Duty	No				
C3	C3.3	CONCRETE KERBING AND CHANNELING, ASPHALT BERMS, CHUTES, DOWNPIPES, AS WELL AS CONCRETE, STONE PITCHED AND GABION LININGS FOR OPEN DRAINS	UNIT	Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	R
C3.1	C3.3.1	Concrete kerbing:					
C3.1.1		Supply, handle, lay and fit					
C3.1.1		(a) BK1 (see Drawing No. Cape Concrete or similar approve)	m				
C3.1.2		(b) BK2 (see Drawing No. Cape Concrete or similar approve)	m				
C3.1.3		(c) Type MK7 (see Drawing No. Cape Concrete or similar approve)	m				
C3.1.4		(d) Type MK8 (see Drawing No. Cape Concrete or similar approve)	m				
C3.1.5		(e) Type Edging (see Drawing No. Cape Concrete or similar approve)	m				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
C3.1.5.1		(e1) E1	m				
C3.1.5.2		(e2) E1s (short)	m				
C3.1.5.3		(e3) E3	m				
C3.1.5.4		(e4) E3s (short)	m				
C3.2		Concrete kerbing-channelling combination:					
C3.2.1		(a) Type BK1 kerb and channel	m				
C3.2.2		(b) Type BK2 kerb & channel	m				
C3.2.3		(c) Type MK7 kerb & channel	m				
C3.2.4		(d) Type MK8 kerb & channel	m				
C3.2.5		(e) Type CK5 (New Parow infall)	m				
C3.3		Concrete chutes:					
C3.3.1		(a) CAPE CONCRETE type embankment chute (trapezoidal in plan) or similar approved (1,0m unit length)	m				
C3.3.2		(a1) Concrete screed or backfill below chutes (15 MPa concrete)	m ³				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
C3.3.3		(b) Cutting bituminous surfacing and pavement layers for concrete, kerbing, channeling or concrete-lined drains:	m				
C3.3.4		(c) Demolish and remove existing kerbing and channelling off-site					
C3.3.4.1		(c1) Precast kerb	m				
C3.3.4.2		(c2) Precast channel	m				
C3.3.4.3		(c 3) Precast kerb and channel	m				
C3.5		Concrete channelling:					
C3.5.1		(a) Precast half round channel Type W1	m				
C3.5.2		(b) Precast half round channel Type W2	m				
C3.5.3		(c) Precast half round channel Type W3	m				
C3.5.4		(d) Precast half round channel Type W4	m				
C3.5.5		(b) Double channel with concrete infill	m				
C3.5.6		(c) Single channel Type C1	m				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
C3.6		Relay existing concrete kerbing and/or channelling					
C3.6.1		(a) Concrete kerbing only	m				
C3.6.2		(b) Concrete channelling only	m				
C3.6.3		(c) Concrete kerbing and channelling	m				
C3.7		Drop kerbs at entrances and bellmouths (any type of kerb)					
C3.7.1		Replace damaged kerbing complete	m				
C3.7.2		"Bubble" block paving at pedestrian crossings	m				
C3.7.3		Concrete infill for dish channel	m				
C3.7.3.1		(a) Cast in-situ 25mm width	m ²				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
C3.7.3.2		(b) Cast in-situ 50mm width	m ²				
C3.7.3.3		(c) Cast in-situ 100mm width	m ²				
C3.7.4		Supply, deliver and Install TERRAFORCE RETAINING BLOCKS OR SIMILAR APPROVE					
C3.7.4.1		L11 Standard (see drawings)	m ²				
C3.7.4.2		L12 Standard (see drawings)	m ²				
C3.7.4.3		L13 Standard (see drawings)	m ²				
C3.7.4.4		L15 Standard (see drawings)	m ²				
C3.7.4.5		L16 Standard (see drawings)	m ²				
TOTAL							

SECTION 4: EARTHWORKS AND PAVEMENT LAYERS: MATERIALS

ITEM	PAY REF	DESCRIPTION	UNIT	Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	R
D1	C4.2	CUT MATERIALS					

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
D1.1	C4.2.3	Excavating of materials in cuttings, material obtained from					
D1.1.1	C4.2.3.1	Soft excavation	m ³				
D1.1.2	C4.2.3.2	Boulder excavation class A	m ³				
D1.1.3	C4.2.3.3	Boulder excavation class B	m ³				
D1.1.4	C4.2.3.4	Hard excavation	m ³				
D1.2	C4.2.10	Backfilling of the unavoidable overbreak in hard and boulder excavation	m ³				
D1.2.1	C4.2.10.1	Compliant Gravel Material	m ³				
D1.2.2	C4.2.10.2	Soil cement (stiff mix with 3 % cement)	m ³				
D1.2.3	C4.2.10.3	Soil cement (wet mix with 5 % cement)	m ³				
D1.2.4	C4.2.10.4	Concrete class 15 MPa	m ³				
D2	C4.3	EXISTING ROAD MATERIAL					
D2.1	C4.3.4	Saw-cutting existing materials within the following average depth ranges	m ³				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
D2.1.1	C4.3.4.1	Asphalt material:					
D2.1.1.1		Up to 50 mm	m ³				
D2.1.1.2		Exceeding 50 mm and up to 100 mm	m ³				
D2.1.1.3		Exceeding 100 mm and up to 150 mm	m ³				
D2.1.1.4		Exceeding 150 mm and up to 200 mm	m ³				
D2.1.2	C4.3.4.2	Crushed stone and gravel material:					
D2.1.2.1		Up to 50 mm	m ³				
D2.1.2.2		Exceeding 50 mm and up to 100 mm	m ³				
D2.1.2.3		Exceeding 100 mm and up to 150 mm	m ³				
D2.1.2.4		Exceeding 150 mm and up to 200 mm	m ³				
D2.1.3	C4.3.4.3	Cemented material:					
D2.1.3.1		Up to 50 mm					
D2.1.3.2		Exceeding 50 mm and up to 100 mm	m ³				
D2.1.3.3		Exceeding 100 mm and up to 150 mm	m ³				

TENDER FOR ROAD CONSTRUCTION AND ANCILLARY WORKS IN THE SALDANHA BAY MUNICIPALITY AREA.

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SECTION 1 : CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
							BASE RATES
D2.1.3.4	C4.3.4.4	Exceeding 150 mm and up to 200 mm	m ³				
D2.1.4		Concrete material:					
D2.1.4.1		Up to 50 mm	m ³				
D2.1.4.2		Exceeding 50 mm and up to 100 mm	m ³				
D2.1.4.3		Exceeding 100 mm and up to 150 mm	m ³				
D2.1.4.4		Exceeding 150 mm and up to 200 mm	m ³				
D2.1.5	C4.3.6	Milling and removal of existing asphalt layers with an average milling depth (Contractor takes ownership)					
D2.1.5.1	C4.3.6.1	Not exceeding 50 mm	m ³				
D2.1.5.2	C4.3.6.2	Exceeding 50 mm but not exceeding 100 mm	m ³				
D2.1.5.3	C4.3.6.3	Exceeding 100 mm	m ³				
D2.2		Cleaning and preparation of milled areas	m ²				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
D2.3	C4.3.9	Excavating material by using conventional road construction equipment					
D2.3.1	C4.3.9.1	Asphalt material	m ³				
D2.3.2	C4.3.9.2	Crushed stone and macadam materials	m ³				
D2.3.3	C4.3.9.3	Cemented material	m ³				
D2.3.4	C4.3.9.4	Natural gravel and sand materials	m ³				
D2.4	C4.3.10	Excavating material by using labour enhanced methods of construction					
D2.4.1	C4.3.10.1	Asphalt material	m ³				
D2.4.2	C4.3.10.2	Crushed stone and macadam materials	m ³				
D2.4.3	C4.3.10.3	Cemented material	m ³				
D2.4.4	C4.3.10.4	Natural gravel and sand materials	m ³				
D2.5	C4.3.13	Lifting of existing paving blocks and discarding of material as per Employer's Agent instruction.(any type, not exceeding 120mm)					

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
D2.5.1	C4.3.13.1	Using construction equipment	m ²				
D2.5.2	C4.3.13.2	Using labour enhanced methods of construction	m ²				
D2.6		Supply, deliver and Stockpiling of road layer materials					
D2.6.1		Asphalt material (cold mix 25 kg asphalt bags)	No				
D3		COMMERCIAL MATERIALS					
D3.1	C4.4.2	Commercial materials identified by the Contractor from commercial, private or other non-commercial suppliers					
D3.1.1	C4.4.2.1	Pavement layer material: Supply, handle and lay					
D3.1.1.1		a) Type G1 material	m ³				
D3.1.1.2		b) Type G2 material	m ³				
D3.1.1.3		c) Type G3 material	m ³				
D3.1.1.4		d) Type G4 material	m ³				

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SECTION 1 : CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
D3.1.1.5		e) Type G5 material	m ³				
D3.1.1.6		f) Type G6 material	m ³				
D3.1.1.7		g) Type G7 material	m ³				
D3.1.1.8		h) Type G8 material	m ³				
D3.1.1.9		i) Type G9 material	m ³				
D3.1.1.10		m) Sand for the base and shoulder layers	m ³				
D3.1.1.11		n) Sand for a subbase layer	m ³				
D3.1.1.12		o) Sand for a selected layer	m ³				
D3.2	C4.4.2.2	Macadam material:					
D3.2.1		a) Coarse aggregate	m ³				
D3.2.2		b) Fine aggregate	m ³				
D3.3	C4.4.3	Drainage blanket layer material	m ³				
D3.4	C4.4.5	Bituminous stabilising agents					

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SECTION 1 : CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
D3.4.1	C4.4.5.1	Penetration grade bitumen (specify grade)	t				
D3.4.2	C4.4.5.2	Emulsion stable grade (specify type)	t				
D3.5	C4.4.6	Fillers for bituminous stabilisation (specify filler types separately)	t				
D3.6	C4.5.1	Additional material investigations (Upon instruction by Employer's Agent)					
D3.6.1	C4.5.1.1	Cost of sampling and laboratory testing	Prov Sum	R 50,000.00			
TOTAL							

SECTION 5: EARTHWORKS AND PAVEMENT LAYERS: CONSTRUCTION

ITEM	PAY REF	DESCRIPTION	UNIT	Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	R
E	C5.1	ROADBED					
		Compaction Rate					
E1	C5.1	Roadbed construction and compaction					
E1.1	C5.1.1	Compaction of in-situ material to 90 % of MDD	m ³				

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SECTION 1 : CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
E1.2	C5.1.2	Compaction of in-situ material to 93 % of MDD	m ³				
E1.3	C5.1.3	Compaction of imported material to 90 % of MDD	m ³				
E1.4	C5.1.4	Compaction of imported material to 93 % of MDD	m ³				
E1.5	C5.1.13	Construction of a levelling layer	m ³				
E1.5.1	C5.1.13.1	Over roadbed treatment in hard material compacted to 90 % MDD	m ³				
E1.5.2	C5.1.13.2	Over a constructed pioneer layer compacted to 90 % MDD	m ³				
E2	C5.3	ROAD PAVEMENT LAYERS					
E2.1	C5.3.2	Construction of pavement layers					
E2.1.1	C5.3.2.1	Construction of layers using conventional construction methods:					
E2.1.1.1		Lower selected subgrade layer (100mm - 150mm) compacted to 95 % of MDD	m ³				
E2.1.1.2		Upper selected subgrade layer (100mm - 150mm) compacted to 95 % of MDD	m ³				
E2.1.1.3		Sand layer (0 - 50mm) compacted to 97 % of MDD	m ³				
E2.1.1.4		Sand layer (above 50mm - 100mm) compacted to 97 % of MDD	m ³				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS			Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				FIXED RATES FOR YEAR 1			
				BASE RATES	_____ %	_____ %	
E2.1.1.5		Sand layer (above 100mm) compacted to 97 % of MDD	m ³				
E2.1.1.6		Gravel wearing course layer (100mm - 150mm) compacted to 95 % of MDD	m ³				
E2.1.1.7		Lower subbase gravel layer (unstabilised) (100mm - 150mm) compacted to 95 % of MDD	m ³				
E2.1.1.8		Upper subbase gravel layer (unstabilised) (100mm - 150mm) compacted to 95 % of MDD	m ³				
E2.1.1.9		Gravel base layer (unstabilised), (100mm - 150mm) compacted to 100 % of MDD	m ³				
E2.2	C5.4.7	Bituminous stabilisation of pavement layers					
E2.2.1	C5.4.7.1	Bituminous stabilisation (layer thickness indicated) of pavement layers (layer to be indicated)					
E2.2.2	C5.4.7.1.1	Bituminous stabilisation (100mm) of pavement layers (layer to be indicated)	litre				
E2.2.3	C5.4.7.1.2	Bituminous stabilisation (150mm) of pavement layers (layer to be indicated)	litre				
E2.3	C5.4.8	Bituminous stabilisation agent					
E2.3.1	C5.4.8.1	60 % anionic emulsion	litre				
E2.3.2	C5.4.8.2	60 % cationic emulsion	litre				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
					BASE RATES	_____ %	_____ %
TOTAL							

SECTION 6: SURFACE TREATMENTS

ITEM	PAY REF	DESCRIPTION	UNIT	Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	R
F	C10.1	GENERAL REQUIREMENTS FOR SURFACE TREATMENTS					
		SCHEDULED ITEMS					
F1		Prime coat or Tack coat					
F1.1		a) Prime Coat					
F1.1.1		1) Invert bitumen emulsion	m ²				
F1.2		b) Tack Coat					
F1.2.1		1) Tack coat of 30% stable grade emulsion (anionic/cationic)	m ²				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS			Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				FIXED RATES FOR YEAR 1			
				BASE RATES	_____ %	_____ %	
		The rate shall cover the cost of preparing the base , sprinkling with water, and supplying and spraying the prime. All inclusive					
F1.3		Double surface treatment using:					
F1.3.1		a) 19.0mm and 9.5mm aggregate					
F1.3.1.1		1) 19.0mm and 9.5mm aggregate (Grade 2 aggregate; 70/100 bitumen)	m ²				
F1.3.1.2		2) 19.0mm and 9.5mm aggregate (Grade 2 aggregate; cationic 70% spray - grade emulsion)	m ²				
F1.3.1.3		3) 19.0mm and 9.5mm aggregate (Grade 2 aggregate; MC 3000 cut - back bitumen)	m ²				
F1.3.1.4		5) 19.0mm and 9.5mm aggregate (Grade 2 aggregate; S - E2 modified bitumen)	m ²				
F1.3.2		b) 13.2mm and 6.7mm aggregate					
F1.3.2.1		1) 13.2mm and 6.7mm aggregate (Grade 2 aggregate; 70/100 bitumen)	m ²				
F1.3.2.2		2) 13.2mm and 6.7mm aggregate (Grade 2 aggregate; cationic 70% spray - grade emulsion)	m ²				
F1.3.2.3		3) 13.2mm and 6.7mm aggregate (Grade 2 aggregate; MC 3000 cut - back bitumen)	m ²				
F1.3.2.4		5) 13.2mm and 6.7mm aggregate (Grade 2 aggregate; S - E2 modified bitumen)	m ²				
F1.3.3		Bituminous surface treatment with aggregate and slurry seal (size of aggregate stated)					

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
F1.3.3.1		a) Bituminous single seal with 13.2mm aggregate and slurry type 1 (Grade 2 aggregate; 70/100 bitumen)	m ²				
F1.3.3.2		b) Bituminous single seal with 13.2mm aggregate and slurry type 1 (Grade 2 aggregate; MC 3000 cut - back bitumen)	m ²				
F1.3.3.3		c) Bituminous single seal with 13.2mm aggregate and slurry type 1 (Grade 2 aggregate; Cationic 70% spray - grade emulsion)	m ²				
F1.3.3.4		d) Bituminous single seal with 13.2mm aggregate and slurry type 1 (Grade 2 aggregate; S-E1 modified bitumen)	m ²				
F1.3.3.5		e) Bituminous single seal with 13.2mm aggregate and slurry type 1 (Grade 2 aggregate; S-E2 modified bitumen emulsion)	m ²				
F2		Single surface treatment with aggregate					
F2.1		Single seals (Grade 2 aggregate; 70/100 bitumen)					
F2.1.1		a) Using 6,7 mm aggregate	m ²				
F2.1.2		b) Using 9,5 mm aggregate	m ²				
F2.1.3		c) Using 13,2 mm aggregate	m ²				
F2.2		Single seals (Grade 2 aggregate; MC 3000 cut-back bitumen)					

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
F2.2.1		a) Using 6,7 mm aggregate	m ²				
F2.2.2		b) Using 9,5 mm aggregate	m ²				
		c) Using 13,2 mm aggregate	m ²				
F2.2.3		Single seals (Grade 2 aggregate; cationic 70% spray-grade emulsion)					
F2.2.3.1		a) Using 6,7 mm aggregate	m ²				
F2.2.3.2		b) Using 9,5 mm aggregate	m ²				
F2.2.3.3		c) Using 13,2 mm aggregate	m ²				
F2.2.4		Single seals (Grade 2 aggregate; S-E1 or E2 bitumen)					
F2.2.4.1		a) Using 9,5 mm aggregate	m ²				
F2.2.4.2		b) Using 13,2 mm aggregate	m ²				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
F2.2.5		Single seals (Grade 2 aggregate; S-E2 bitumen emulsion)					
F2.2.5.1		a) Using 6,7 mm aggregate	m ²				
F2.2.5.2		b) Using 9,5 mm aggregate	m ²				
F2.2.5.3		c) Using 13,2 mm aggregate	m ²				
		The rate shall cover the cost of cleaning the primed surface, protecting the kerbs, placing guidelines, controlling dust, supplying all materials, spraying of the binder, spreading of the aggregate, mixing and spreading of the slurry seal, and rolling. All inclusive.					
F2.3		Variations in quantities of prime and bituminous binders					
F2.3.1		a) 70/100 bitumen	litre (l)				
F2.3.2		b) 70% spray-grade emulsion (Cationic)	litre (l)				
F2.3.3		c) MC 3000 cut-back bitumen	litre (l)				
F2.3.4		e) Homogeneous modified binder (S-E1 or E2 bitumen) hot applied	litre (l)				
F2.3.5		f) S-E2 bitumen emulsion	litre (l)				
F2.3.6		g) Precoating fluid (Colkote S or similar approved)	litre (l)				
F2.3.7		h) S-E1 modified bitumen	litre (l)				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
F2.3.8		i) S-E2 modified bitumen emulsion	litre (l)				
F2.4		Variations in quantities of aggregate (sizes of aggregate stated) The volume of aggregate will be measured in the truck					
F2.4.1		Aggregate variations (Grade 2):					
F2.4.1.1		a) 6,7 mm aggregate	m ³				
F2.4.1.2		b) 9,5 mm aggregate	m ³				
F2.4.1.3		c) 13,2 mm aggregate	m ³				
F2.4.1.4		d) 19 mm aggregate	m ³				
F2.5		Variations in the rate of application of slurry seal Every load of saturated fine aggregate used shall be struck off with a straight - edge at the stockpile, and the volume measured.	m ³				
F2.6		Extra - over 8.4.4 for cationic stable - mix type 60% bitumen emulsion	litre (l)				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:		
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL	
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates		
				BASE RATES	_____ %	_____ %		
F2.7		The rate shall cover the additional cost per litre of 60% emulsion when a cationic instead of an anionic emulsion is used in the slurry seal.						
F2.7.1		Fog spray (in double surface treatment) consisting of: a) Spray type cationic emulsion (70% grade emulsion)	litre (l)					
F2.7.2		b) Spray type anionic emulsion (60% grade emulsion)	litre (l)					
		The volume of emulsion ordered will be measured at spraying temperature.						
		The rate shall cover the cost of supplying the binder and applying the fog spray.						
F2.8		Pre - coated aggregate The unit will be measured in hauling vehicles or in stockpiles. The rate shall cover the cost of furnishing the equipment and materials and pre - coating the aggregate, including handling, stockpiling, and protecting of stockpiles against inclement weather. All inclusive.	m ³					
F2.9		Ralumac Application (AC-E1) (all inclusive rate. Supply, handle, lay)	m ²					
SECTION 7: ASPHALT LAYERS								

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:			Contractor:
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
			UNIT	Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
		DESCRIPTION		Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	R
G	C9.1	ASPHALT BASE AND SURFACING					
			SCHEDULED ITEMS				
G1		Prime Coat a) Invert bitumen emulsion The rate shall cover the cost of preparing the base or subbase. All inclusive rate.	m ²				
G2		Tack Coat					
G2.1		a) Tack coat of 30% stable grade emulsion (anionic/cationic) The rate shall cover the cost of brooming the surface, if necessary, and supplying, diluting as specified, and spraying the emulsion. All inclusive rate.	m ²				
G3		Asphalt Base and Surface (nominal thickness indicated)					
G3		Asphalt Base					

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
G3.1		Asphalt Base (50/70 bitumen; 26.5mm max. aggregate) Rate include importation of bitumen					
G3.1.1		a) Continuously graded					
G3.1.1.1		1) 60mm minimum thickness	m ²				
G3.1.1.2		2) 80mm minimum thickness	m ²				
G3.1.1.3		3) 100mm minimum thickness	m ²				
G3.1.1.4		4) 150mm minimum thickness	m ²				
G4		Asphalt Base (A-H2 modified bitumen) Base bitumen to be locally refined					
G4.1		a) Continuously graded					
G4.1.1		1) 60mm minimum thickness	m ²				
G4.1.2		2) 80mm minimum thickness	m ²				
G4.1.3		3) 100mm minimum thickness	m ²				
G4.1.4		4) 150mm minimum thickness	m ²				

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SECTION 1 : CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
G5		Asphalt Base (A-E2 modified bitumen) Base bitumen to be locally refined					
G5.1		a) Continuously graded					
G5.1.1		1) 60mm minimum thickness	m ²				
G5.1.2		2) 80mm minimum thickness	m ²				
G5.1.3		3) 100mm minimum thickness	m ²				
G5.1.4		4) 150mm minimum thickness	m ²				
G6		Asphalt Surfacing					
G6.1		Asphalt Surfacing (35/50 bitumen) Rate include importation of bitumen					
G6.1.1		a) Continuously graded					
G6.1.1.1		1) 30mm minimum thickness	m ²				
G6.1.1.2		2) 40mm minimum thickness	m ²				
G6.1.1.3		3) 50mm minimum thickness	m ²				
G6.1.1.4		4) 60mm minimum thickness	m ²				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
G7		Asphalt Surfacing (50/70 bitumen) Rate include importation of bitumen					
G7.1		a) Continuously graded					
G7.1.1		1) 30mm minimum thickness	m ²				
G7.1.2		2) 40mm minimum thickness	m ²				
G7.1.3		3) 50mm minimum thickness	m ²				
G7.1.4		4) 60mm minimum thickness	m ²				
G8		Asphalt Surfacing (A-E2 modified bitumen)					
G8.1		a) Continuously graded					
G8.1.1		1) 30mm minimum thickness	m ²				
G8.1.2		2) 40mm minimum thickness	m ²				
G8.1.3		3) 50mm minimum thickness	m ²				
G8.1.4		4) 60mm minimum thickness	m ²				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
G9		Asphalt Surfacing (A-H2 modified bitumen)					
G9.1		a) Continuously graded					
G9.1.1		1) 30mm minimum thickness	m ²				
G9.1.2		2) 40mm minimum thickness	m ²				
G9.1.3		3) 50mm minimum thickness	m ²				
G9.1.4		4) 60mm minimum thickness	m ²				
G10		Asphalt Surfacing (70/100 bitumen)					
G10.1		a) 9.5mm residential type hot mix asphalt surfacing (nominal 5.5% bitumen)					
G10.1.1		1) 25mm minimum thickness	m ²				
G10.1.2		2) 30mm minimum thickness	m ²				
		The rate shall cover the cost of supplying, hauling, heating, and mixing the various ingredients ; hauling, placing, and compacting the asphalt; and control - testing, protecting, and maintaining the work as specified.					
G11		Variations in quantities of prime, curing, and tack coats, and bituminous binders	litre (l)				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
G12		Binder Variations					
G12.1		1) 35/50 penetration grade bitumen	litre (l)				
G12.2		2) 50/70 penetration grade bitumen	litre (l)				
G12.3		3) 70/100 penetration grade bitumen	litre (l)				
G13		Binder modifier variations					
G13.1		4) A-E2 {Styrene - butadiene - styrene (SBS) } modified bitumen	t				
G14		Mineral filler					
		The rate shall cover the cost of supplying, heating, and mixing in of the mineral filler.					
G14.1		a) Cement	t				
G14.2		b) Lime	t				
G15		Coring of asphalt layers					

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:			Contractor:
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
G15.1		100mm diameter	No				
G15.2		150mm diameter	No				
TOTAL							

SECTION 8: SEGMENTED PAVING

ITEM	PAY REF	DESCRIPTION	UNIT	Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	R	
H	SP001	SEGMENTED PAVING						
H1	SP08	SCHEDULED ITEMS	m					
H1.1				Provision of Edge Restraints				
H1.2				Supply and Construction of Paving Complete (Class 35, Type S-A, 80mm thickness) - Interlocking				
H1.2.1				Concrete Block Paving				
H1.2.1.1				(a) Colour : grey	m ²			

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS			Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				FIXED RATES FOR YEAR 1			
				BASE RATES	_____ %	_____ %	
H1.2.1.2		(b) Colour : red	m ²				
H1.2.1.3		(c) Colour : charcoal	m ²				
H1.2.1.4		(d) Concrete pavers with colours not included in (a) - (c) above					
H1.2.1.4.1		(i) Actual cost of material (excluding VAT)	m ²				
H1.2.1.4.2		(ii) Handling cost in respect of subitem H1.2.1.4.1	10%				
H1.2.1.4.3		(iii) Placement of concrete pavers purchased under 8.2.2A(d)(i)	m ²				
H1.2.1.5		Clay Block Paving					
H1.2.1.5.1		(a) 35MPa Type PA - 50mm thickness	m ²				
H1.2.1.5.2		(b) 35MPa Type PA - 73mm thickness	m ²				
H1.2.1.5.3		(c) 35MPa Type PB - 50mm thickness	m ²				
H1.2.1.5.4		(d) 35MPa Type PB - 73mm thickness	m ²				
H1.3		Cement Block Paving					

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
H1.3.1		(a) 35MPa Type PA - 50mm thickness	m ²				
H1.3.2		(b) 35MPa Type PA - 73mm thickness	m ²				
H1.3.3		(c) 35MPa Type PB - 50mm thickness	m ²				
H1.3.4		(d) 35MPa Type PB - 73mm thickness	m ²				
H1.4		Relay existing paving (all inclusive rate irrespective of paving type)	m ²				
H1.5		Cutting Units to Fit Edge Restraints	m				
H1.6		Rolling to Locked - up Condition (Provisional)	m ²				
H1.7		Trial Section, not Part of Permanent Work (Size stated) (Provisional)	m ²				
TOTAL							
SECTION 9: ANCILLARY ROADWORKS							
			UNIT	Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
							BASE RATES
ITEM		DESCRIPTION		Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	R
I		ANCILLARY ROADWORKS					
		Supply, deliver and construction					
I1		GENERAL					
I1.1		Earthworks and Concrete The rates for earthworks (including free haul and overhaul) and concreting operations shall be subjected to the requirements of standardized specification.					
I1.2		Painting and Galvanizing The rates for all items that are to be painted or galvanized, or both, shall cover the cost of such painting or galvanizing, or both, as applicable, together with cost of compliance.					
I2		SCHEDULED ITEMS FOR GAURDRAILS					
I2.1		Gaurdrails on Posts (material to be used for posts, spacer blocks, guardrails, and backfill will be stated)					
		a) Galvanized	m				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
I2.2		b) Painted Extra - Over Item for Horizontally Curved Guardrails Factory - Bent to a Radius of less than 150m	m				
I2.3		End Units					
I2.3.1		a) End wings (type stated)	No				
I2.3.2		b) Terminal sections using single guardrail sections	No				
I2.3.3		c) Terminal sections using double guardrail sections	No				
I2.3.4		d) Cable stays complete with anchor block	No				
I2.4		Additional Guardrail Posts (Material to be used for posts, spacer blocks, and backfill will be stated)					
I2.5		Reflector Plates	No				
I2.6		Dismantling Existing Guardrails	m				
I2.7		Repainting Existing Guardrails	m				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
I3		SCHEDULED ITEMS FOR PERMANENT ROAD SIGNS					
I3.1		Sign Faces with painted or galvanized (as stated) background, with painted symbols, characters, legend, and borders, and with signboards constructed from					
I3.1.1		a) Aluminium sheet (2.0mm thick) , of area					
		Over and Up to					
I3.1.1.1		1) - 2	m ²				
I3.1.1.2		2) 2 10	m ²				
I3.1.1.3		3) 10 m ² and upwards in increments of 5 m ²	m ²				
I3.1.2		b) Aluminium extrusions (alloy and temper condition stated), all sizes	m ²				
I3.1.3		c) Sheet steel (1,6mm thick), of area					
		Over and Up to					
I3.1.3.1		1) - 2	m ²				
I3.1.3.2		2) 2 10	m ²				
I3.1.3.3		3) 10 m ² and upwards in increments of 5 m ²	m ²				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
13.1.4		d) Weather - resistant particle board (12.7 mm thick), of area					
		Over and Up to					
13.1.4.1		1) - 2	m ²				
13.1.4.2		2) 2 10	m ²				
13.1.4.3		3) 10 m ² and upwards in increments of 5 m ²	m ²				
14		Provision and Application of Retro - reflective Material					
		a) Engineering grade retro - reflective background, characters, symbols, legend, and borders	m ²				
		b) High intensity grade retro - reflective background, characters, symbols, legend, and borders	m ²				
		c) High intensity grade characters, symbols, legend, and borders and engineering grade retro - reflective background	m ²				
15		Sign Supports					
15.0.1		a) Structural steel (protective treatment, if any, stated)	No				
15.0.1.1		b) Steel tubing (protective treatment, if any, stated)					
15.0.1.1.1		60mm dia x 2.0mm	No				
15.0.1.1.2		60mm dia x 3.0mm	No				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
15.0.1.1.3		76mm dia x 2.0mm	No				
15.0.1.1.4		76mm dia x 3.0mm	No				
15.0.1.2		c) Timber (diameter and type indicated)					
15.0.1.2.1		a)100mm dia	m				
15.0.1.2.2		b)125mm dia	m				
15.0.1.2.3		c)150mm dia	m				
		The rates for (a) , (b) , (c) shall cover the cost of suppling and erecting the supporting structures including all bolts, screws, rivets, welding, and accessories together with the painting required and the provision for breakaway in accordance with the details.					
15.1		Excavation and Backfilling and Concreting (if any) for Sign Supports (material to be used for backfill stated)	m³				
15.2		Distance Markers	No				
15.2		Statutory Signs, Street Names, and the Like, Supplied and Erected Complete	No				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
					BASE RATES	_____ %	_____ %
15.4		Dismantling and Re - erection of Road Signs having a surface area of					
		Over and Up to					
15.4.1		1) - 2	m ²				
15.4.2		2) 2 5	m ²				
15.4.3		3) 5 m ² 10 m ²	m ²				
15.4.4		4) 10 m ² 15 m ²	m ²				
		Separate further items in increments of 5 m ² will be scheduled as necessary.					
TOTAL							

SECTION 10: ROAD MARKINGS

ITEM	PAY REF	DESCRIPTION	UNIT	Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	R
J	D11.7	ROAD MARKINGS					
	SCRM						
	SCRM 8	Road marking paint:					

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS			Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				FIXED RATES FOR YEAR 1			
				BASE RATES	_____ %	_____ %	
J1		Non - reflectorized road marking paint					
		a) White Lines (broken or unbroken)					
J1.1		(1) 100 mm wide	m				
J1.2		(2) 200 mm wide	m				
J1.3		(3) 300 mm wide	m				
J2		b) Yellow lines (broken or unbroken)					
J2.1		(1) 100 mm wide	m				
J2.2		(2) 200 mm wide	m				
J2.3		(3) 300 mm wide	m				
J3		c) Red lines (broken or unbroken)					
J3.1		(1) 100 mm wide	m				
J3.2		(2) 200 mm wide	m				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
J3.3		(3) 300 mm wide	m				
J4		d) White lettering and symbols	m ²				
J5		e) Yellow lettering and symbols	m ²				
J6		f) Transverse lines, painted island and arrestor bed markings (any colour)	m ²				
J7		g) Kerb markings (any colour)	m ²				
J8		Retro-reflective road marking paint:					
J8.1		(a) White lines (broken or unbroken)					
J8.1.1		(1) 100 mm wide	m				
J8.1.2		(2) 200 mm wide	m				
J8.1.3		(3) 300 mm wide	m				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
J8.2		b) Yellow lines (broken or unbroken)					
J8.2.1		(1) 100 mm wide	m				
J8.2.2		(2) 200 mm wide	m				
J8.2.3		(3) 300 mm wide	m				
J8.3		c) Red lines (broken or unbroken)					
J8.3.1		(1) 100 mm wide	m				
J8.3.2		(2) 200 mm wide	m				
J8.3.3		(3) 300 mm wide	m				
J8.4		d) White lettering and symbols	m ²				
J8.5		e) Yellow lettering and symbols	m ²				

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ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
J8.6		f) Transverse lines, painted island and arrestor bed markings (any colour)	m ²				
TOTAL							
ITEM		DESCRIPTION	UNIT	Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
K	SCRM	ROAD MARKINGS (continued)					
K1	SCRM8	Plastic road-marking paint (thermoplastic)					
K1.1.1		a) White lines (broken or unbroken)					
K1.1.1.1		(1) 100 mm wide	m				
K1.1.1.2		(2) 200 mm wide	m				
K1.1.1.3		(3) 300 mm wide	m				

TENDER FOR ROAD CONSTRUCTION AND ANCILLARY WORKS IN THE SALDANHA BAY MUNICIPALITY AREA.

SBM 29/25/26

SECTION 1 : CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
K1.1.2		b) Yellow lines (broken or unbroken)					
K1.1.2.1		(1) 100 mm wide	m				
K1.1.2.2		(2) 200 mm wide	m				
K1.1.2.3		(3) 300 mm wide	m				
K1.1.3		c) Red lines (broken or unbroken)					
K1.1.3.1		(1) 100 mm wide	m				
K1.1.3.2		(2) 200 mm wide	m				
K1.1.3.3		(3) 300 mm wide	m				
K1.1.4		d) White lettering and symbols	m ²				
K1.1.5		e) Yellow lettering and symbols	m ²				

TENDER FOR ROAD CONSTRUCTION AND ANCILLARY WORKS IN THE SALDANHA BAY MUNICIPALITY AREA.

SBM 29/25/26

SECTION 1 : CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
K1.1.6		f) Transverse lines, painted island and arrestor bed markings (any colour)	m ²				
K1.1.7		Variations in rate of application:					
K1.1.7.1		a) White paint	litre				
K1.1.7.2		b) Yellow paint	litre				
K1.1.7.3		c) Red paint	litre				
K1.1.7.4		d) Retro-reflective beads	kg				
K1.1.7.5		e) Plastic road-marking paint (thermoplastic)	litre				
K1.1.7.6		f) Cold plastic road-marking material	litre				
K1.1.8		Roadstuds					
K1.1.8.1		a) Installation of roadstuds					
K1.1.8.1.1		(i) With shank					

TENDER FOR ROAD CONSTRUCTION AND ANCILLARY WORKS IN THE SALDANHA BAY MUNICIPALITY AREA.

SBM 29/25/26

SECTION 1 : CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
K1.1.8.1.1.1		(1) Category A	No				
K1.1.8.1.1.2		(2) Category B	No				
K1.1.8.1.1.3		(3) Category C	No				
K1.1.8.2		(ii) Without shank					
K1.1.8.2.1		(1) Category A	No				
K1.1.8.2.2		(2) Category B	No				
K1.1.8.2.3		(3) Category C	No				
		b) Aluminium Solar Roadstuds	No				
K1.1.9		Setting out and premarking					
K1.1.9.1		a) lines (excluding traffic-island markings, lettering and symbols)	m				
K1.1.10		Removal of existing, temporary or permanent road markings by:					

TENDER FOR ROAD CONSTRUCTION AND ANCILLARY WORKS IN THE SALDANHA BAY MUNICIPALITY AREA.

SBM 29/25/26

SECTION 1 : CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
K1.1.10.1		a) Sandblasting	m ²				
K1.1.10.2		b) Overpainting as temporary measure	m ²				
K1.1.11		Removal of existing road studs	No				
TOTAL							

SECTION 11 : ENVIRONMENTAL MANAGEMENT

ITEM	DESCRIPTION	UNIT	Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
			Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	R
M	TESTING MATERIALS AND WORKMANSHIP					
M1	Provision for commercial laboratory testing					
M1.1	a) Actual cost of testing	PC Sum	R 50,000.00			

TENDER FOR ROAD CONSTRUCTION AND ANCILLARY WORKS IN THE SALDANHA BAY MUNICIPALITY AREA.

SBM 29/25/26

SECTION 1 : CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:			TOTAL
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS			Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				FIXED RATES FOR YEAR 1			
				BASE RATES	_____ %	_____ %	
M2		Contractor's obligations in respect of environmental management					
M2.1		(a) Environmental control officer (ECO)	PCSum	R 50,000.00			
M2.2		(b) Environmental aspects and impacts	PCSum	R 50,000.00			
M2.3		(c) Provision of environmental emergency measures	PC sum	R 50,000.00			
TOTAL							
TOTAL							
SECTION 13: COLD INSITU RECYCLING							
ITEM	PAY REF	DESCRIPTION	UNIT	Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	R
O	SCCIR	COLD INSITU RECYCLING					
O1		Cold insitu recycled granular layer (modified/stabilized) compacted to 98% of modified AASHTO density					

TENDER FOR ROAD CONSTRUCTION AND ANCILLARY WORKS IN THE SALDANHA BAY MUNICIPALITY AREA.

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SECTION 1 : CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
O1.1		(i) 150 mm deep	m ²				
O1.2		(ii) 200 mm deep	m ²				
O1.3		(iii) 250 mm deep	m ²				
O1.4		(iv) 300 mm deep	m ²				
O2		Bituminous stabilizing agents					
O2.1		(a) Anionic 60% stable grade bitumen emulsion	litre				
O2.2		(b) Cationic 65% stable grade bitumen emulsion	litre				
O3		Additives for bituminous stabilization					
O3.1		(a) Portland Cement (CEM II - 32,5N)	ton				
O3.2		(b) Road lime	ton				
O4		Blading of surplus material to windrow	m ³				

TENDER FOR ROAD CONSTRUCTION AND ANCILLARY WORKS IN THE SALDANHA BAY MUNICIPALITY AREA.

SBM 29/25/26

SECTION 1 : CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
O5		Removal from site of surplus material	m ³				
O6		Slushing of recycled granular base as specified in using the following method:					
O6.1		(a) Method 1	m ²				
O6.2		(b) Method 2	m ²				
O7		Trial sections where ordered	m ²				
O8		Recycling of pavement layers in confined areas	m ²				
O9		Ripping of pavement layers as specified	m ²				
O10		Extra over item for static rolling	m ²				
TOTAL							

TENDER FOR ROAD CONSTRUCTION AND ANCILLARY WORKS IN THE SALDANHA BAY MUNICIPALITY AREA.

SBM 29/25/26

SECTION 1 : CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:		Contractor:	
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
					BASE RATES	_____ %	_____ %

SECTION 14 : ULTRA THIN ASPHALT

ITEM	PAY REF	DESCRIPTION	UNIT	Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	AMOUNT
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	R
P	SCUTA	ULTRA THIN ASPHALT					
P1		Ultra Thin Asphalt Surfacing (UTA)	m ²				
P2		Extra over for average thickness exceeding the maximum allowed thickness	ton				
P3		Extra over for levelling layers / scratch coats ordered by Employer's Agent	ton				
P4		Tack coat	litre (l)				
P5		Ultra Thin Friction Course (UTFC)					
P5.1		(a) 9.5mm max. stone (18mm thickness)	m ²				
P5.2		(b) 9.5mm max. stone (20mm thickness)	m ²				

TENDER FOR ROAD CONSTRUCTION AND ANCILLARY WORKS IN THE SALDANHA BAY MUNICIPALITY AREA.

SBM 29/25/26

SECTION 1 : CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:			TOTAL
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
					BASE RATES	_____ %	_____ %
P5.3		(c) 13.2mm max stone (22mm thickness)	m ²				
P6		Tack coat					
P6.1		(a) Polymer modified bitumen emulsion tack coat (0.45//m ²)	litre (l)				
P6.2		(b) Polymer modified bitumen emulsion tack coat (0.6l/m ² to old dry bituminous surfaces)	litre (l)				
TOTAL							

SECTION 14 : SPEED HUMPS AND RAISED PEDESTRIAN CROSSINGS

ITEM		DESCRIPTION	UNIT	Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL R
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	
				Q	SCSPH	SPEED HUMPS AND RAISED PEDESTRIAN CROSSINGS (all inclusive rate {signage and painting})	
Q1		Removal of existing speed hump and/or raised pedestrian crossing at the location indicated by the Engineer	m ³				

TENDER FOR ROAD CONSTRUCTION AND ANCILLARY WORKS IN THE SALDANHA BAY MUNICIPALITY AREA.

SBM 29/25/26

SECTION 1 : CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:			TOTAL
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
					BASE RATES	_____ %	_____ %
Q2		Provision of new speed hump in accordance with Drawing that will be provided at the location indicated by the Employer's Agent	m ³				
Q3		Provision of new raised pedestrian crossing in accordance with Drawing that will be provided (crossing only, excluding wheelchair ramps) at the location indicated by the Employer's Agent	m ³				
		Provision of new raised intersection crossing in accordance with Drawing that will be provided (crossing only, excluding wheelchair ramps) at the location indicated by the Employer's Agent	m ³				
Q4		Provision of new wheelchair ramp (including dip kerb) in accordance with Drawing that will be provided at the location indicated by the Employer's Agent.	m ²				
TOTAL							

SECTION 16: HEALTH AND SAFETY REQUIREMENTS

ITEM	DESCRIPTION	UNIT	Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	TOTAL
			Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	R
S	HEALTH AND SAFETY REQUIREMENTS					

TENDER FOR ROAD CONSTRUCTION AND ANCILLARY WORKS IN THE SALDANHA BAY MUNICIPALITY AREA.

SBM 29/25/26

SECTION 1 : CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS

ITEM	PAY REF	DESCRIPTION	UNIT	Contractor:			TOTAL
				Rate 1 - Y1	Rate 2 - Y2	Rate 3 - Y3	
A	C1.3	CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS		FIXED RATES FOR YEAR 1	Provide Escalation Percentage on fixed year 1 rate ONLY in the block below for Y2 rates	Provide Escalation Percentage on fixed year 2 rate ONLY in the block below for Y3 rates	
				BASE RATES	_____ %	_____ %	
S1		Contractor's obligations in respect of Health and Safety	Day				
TOTAL							
TOTAL							

SCOPE OF WORK (Part C3)

ALL Documents and Schedules MUST BE RETURNED (SUBMITTED) for the TENDER to be Evaluated.

PART C3

C3.1 Description of the Works

C3.2 Engineering

C3.3 Procurement

C3.4 Construction

C3.5 Management

C3.6 Annexes

DESCRIPTIONS OF WORKS – PART C3.1

CONTENTS

- 3.1.1 EMPLOYER'S OBJECTIVES
- 3.1.2 OVERVIEW OF THE WORKS
- 3.1.3 EXTENT OF THE WORKS
- 3.1.4 LOCATION OF THE WORKS
- 3.1.5 TEMPORARY WORKS

3.1.1. EMPLOYER'S OBJECTIVES

The Employer's objective is to construct, repair, resurface, reseal and maintain existing road infrastructure in the Saldanha Bay municipal area as and when required. It is required from the successful contractor to have multiple asphalt and construction teams to start projects simultaneous based on the clients need. More detail will be discussed at the clarification meeting and at programme stage.

It is also required by the contractor to provide a CONSTRUCTION WORKPLAN at contract stage upon request from the client within 14 days, prior to any project commencement. This plan will clearly outline the contractor's resource capacity that will align with the construction programme and amount of project at a specific time.

3.1.2. OVERVIEW OF THE WORKS

The Works are for the repair, upgrade, construct and maintenance to existing roads infrastructure as and when required by Saldanha Bay municipality for the duration of the term tender contract by the highest ranked available contractor for the particular items.

3.1.3. EXTENT OF THE WORKS

Work items under this term tender contract may include (but are not limited to) any one or more of the following:

- Site Clearance
- General Requirements & trenching for services
- Drainage (water, sewerage and stormwater)
- Earthworks & Pavement Layers: Materials
- Earthworks & Pavement Layers: Construction
- Surface Treatment
- Asphalt Layers
- Segmented Paving
- Ancillary Roadworks
- Roadmarking
- Environmental Management
- CIR
- Ultra-Thin Asphalt
- Speedhumps and Raised Pedestrian Crossing
- Health & Safety Requirements
- Build related work (fencing and small structures)

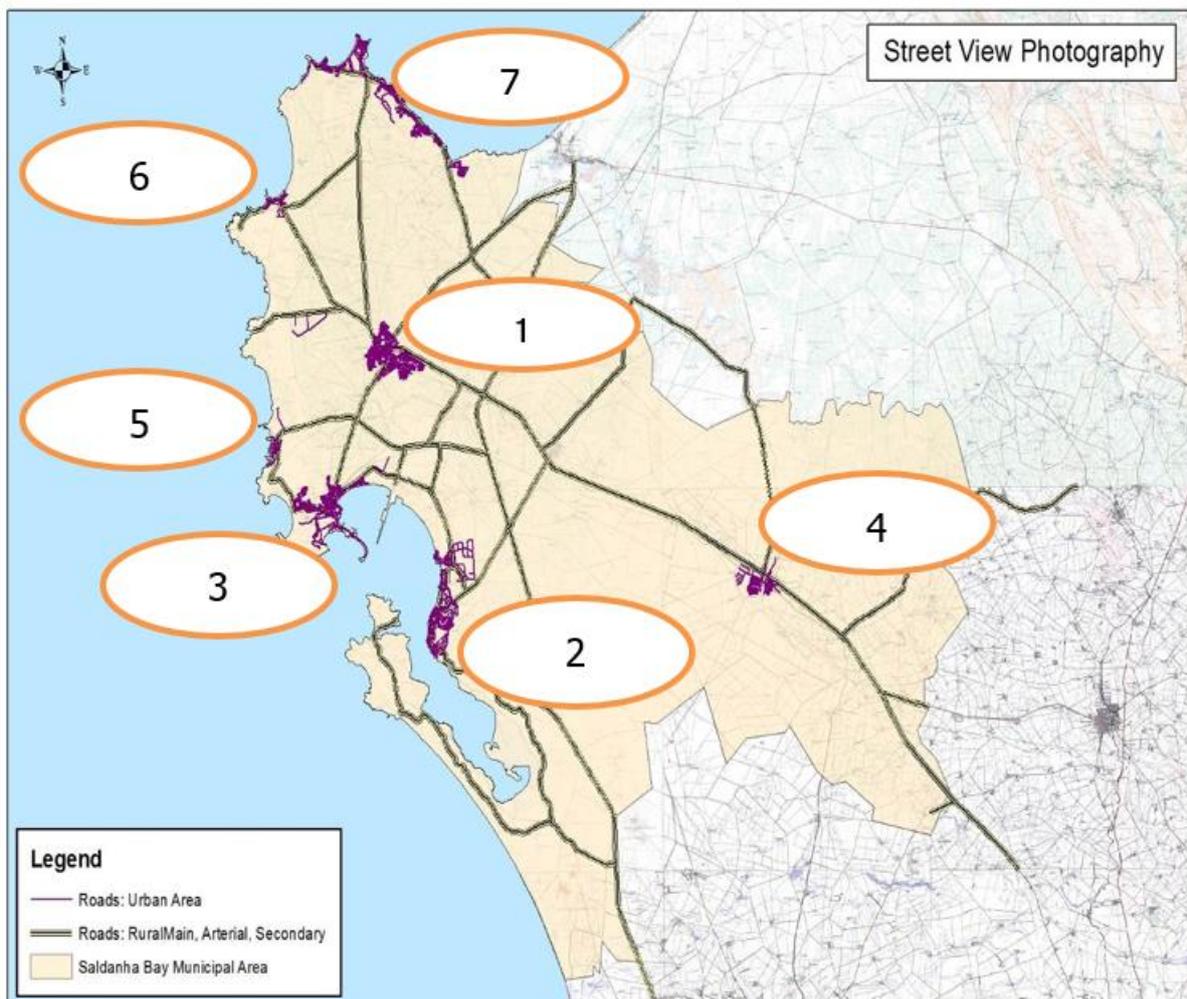
The description of the works is not necessarily complete and shall not limit the work to be carried out by the contractor, under this contract.

3.1.4. LOCATION OF THE WORKS

The Contractor will be required to work in all towns identified by the employer’s agent, i.e. Vredenburg, Saldanha, St Helena Bay, Langebaan, Jacobs Baai, Paternoster, Hopefield and all other smaller towns within the boundaries of the Saldanha Bay Municipality, as shown on the drawings.

For the purposes of this tender, the Saldanha Bay Municipal area has been identified and outlined in the table below:

TOWN	LOCATION REFERENCE
1.Vredenburg	INLAND
2. Langebaan	COASTAL
3. Saldanha	COASTAL
4. Hopefield	INLAND
5. Jacobsbaai	COASTAL
6. Paternoster	COASTAL
7. St Helena Bay	COASTAL
8. All other smaller towns within Saldanha Bay Municipal Area	INLAND/COASTAL



3.1.5 BOUNDARIES OF THE SITE

The site of the works shall consist of the entire road reserve, sidewalks and interchanges, construction camp, any storage area on the site which the Contractor may require in addition to the area required for construction of the roadworks and special works as defined by the limits of construction shown on the drawings if provided, plus such additional length of road that is necessary for the erection of the road signs on the approaches to the works.

3.1.6 QUANTITIES

The work that is to be carried out under the contract is as provided by the Employer's Agent according to the priority list. However, if during the course of construction conditions are found to differ from those anticipated, the Employer's Agent reserves the right to modify the scope of the work to suit the prevailing conditions and circumstances. Variations introduced in this manner will be measured and paid for at the rates tendered for appropriate items listed elsewhere in the schedule of quantities or in the absence of such rates as extra work.

The Employer reserves the right to vary the scope of the rehabilitation / resurfacing to suit the budget allowed for construction.

3.1.7 OCCUPATION OF THE SITE

Access to the site of the works will be given to the Contractor on the Employer's Agent instruction to commence executing the Works.

The site of the works is on public roads, walkways, depot's and other municipal facilities which will remain in use during the course of the work. No road may be closed (unless authorized in writing by the Employer's Agent) and traffic shall be accommodated as specified and shown on the drawings provided where applicable. For site establishment the contractor shall put up camp at a suitable location at his own cost. Municipal facilities will not be provided to set up camp unless authorized in writing by the Employer's Agent.

3.1.8 WORK IN CONFINED SPACES

It will be necessary for the Contractor to work within confined and restricted areas. In certain places the width of the fill material and pavement layers may decrease to zero and the working space may be confined. The method of construction in these confined areas largely depends on the contractor's constructional plant.

Regardless, measurement and payment will be in accordance with the specified cross-sections and dimensions only, irrespective of the method used for achieving these cross-sections and dimensions. It is deemed that the rates tendered in the Bill of Quantities include full compensation for all special equipment and construction methods and for all difficulties encountered when working in confined areas and narrow widths, and at or around obstructions. **No additional payment will be made nor will any claim for payment be considered for work done in such confined areas, despite indications to the contrary in the Standard Specifications.**

C3.2 ENGINEERING

CONTENTS

3.2.1 DESIGN SERVICES AND ACTIVITY MATRIX

3.2.2 EMPLOYER'S DESIGN

3.2.3 DESIGN BRIEF

3.2.4 DRAWINGS

3.2.5 DESIGN PROCEDURES

3.2.1 DESIGN SERVICES AND ACTIVITY MATRIX

All design services will be done via the Saldanha Bay Municipality consultant tender or other procurement method authorised by Saldanha Bay Municipality. Any road construction design project that requires implementation will be implemented by this tender with oversight from the Employer's Agent or professional services via the consultant tender or other SCM procedure.

3.2.2 EMPLOYER'S DESIGN

All design services will be done via the Saldanha Bay Municipality consultant tender and or other procurement methodology.

3.2.3 DESIGN BRIEF

To be provided to the contractor at contract stage where applicable.

3.2.4 DRAWINGS

Construction drawings for any new road design will, in terms of the Conditions of Contract, be issued to the Contractor by the Employer's Agent, as appropriate, prior to the date for commencement with Works execution, and from time to time as required for a specific project.

The Works shall be constructed in accordance with the issued design drawings, if any.

3.2.5 DESIGN PROCEDURES

Design procedures will be handled by the professional services team identified by the employer's agent.

C3.3 PROCUREMENT

3.3.1 An official order will be issued for work and include the site hand over date.

3.3.2 Work may only commence after an official order was received.

3.3.3 The contract will commence on the day of site hand over and work must be done within the stipulated time period agreed between the contractor and the client as per the signed programme. No project will exceed a six-month period.

C3.4 CONSTRUCTION

CONTENTS

- 3.4.1 TRADE NAMES OR PROPRIETARY PRODUCTS
- 3.4.2 APPLICABLE STANDARDISED SPECIFICATIONS
- 3.4.3 PARTICULAR / PROJECT SPECIFIC SPECIFICATIONS
- 3.4.4 WAYLEAVES, PERMISSIONS AND PERMITS
- 3.4.5 EMPLOYMENT OF SECURITY PERSONNEL
- 3.4.6 UNIVERSAL ACCESS

3.4.1. TRADE NAMES OR PROPRIETARY PRODUCTS

Bid specifications may not make any reference to any particular trademark, name, patent, design, type, specific origin or producer, unless there is no other sufficiently precise or intelligible way of describing the characteristics of the work, in which case such reference must be accompanied by the words “or equivalent”.

CONTRACTORS MUST NOTE THAT WHEREVER THIS DOCUMENT REFERS TO ANY PARTICULAR TRADE MARK, NAME, PATENT, DESIGN, TYPE, SPECIFIC ORIGIN OR PRODUCER, SUCH REFERENCE SHALL BE DEEMED TO BE ACCOMPANIED BY THE WORDS ‘OR EQUIVALENT’

Quality conformance

Only new materials of first-class quality shall be used and be approved by the Employer prior to installation. Wherever applicable the material is to comply with the relevant South African National Standards, specifications, or to British Standard Specifications, where no SANS Specifications exist. Materials wherever possible, must be of South African manufacture and shall bear the SANS mark of approval. Samples maybe requested if required before award.

Quality Standards:

- (i) Special brands, where named, are used to indicate the standard of quality desired. Tenderer’s equivalent/equal/similar item will be considered, provided that the Tenderer specifies the brand name(s) and submits full specifications. If the full set of specifications of the equivalent item is not submitted, the item will not be evaluated and will not be considered for award.
- (ii) In the event the Municipality elects to accept an equivalent item purported to be equivalent/similar by the Tenderer, the Municipality may request the tenderer to provide samples of the equivalent offered for testing and inspection. Acceptance of the item(s) will be conditional on such inspection and testing after receipt.

3.4.2 APPLICABLE STANDARDISED SPECIFICATIONS

PART A: STANDARD SPECIFICATIONS

The new COTO Standard Specifications for Road and Bridge Works for South African Road Authorities was approved by the Committee of Transport Officials (COTO) on 18 August 2020 as a Draft Standard (DS) and will be replacing the COLTO Standard Specifications for Road and Bridge Works for State Road Authorities (1998 Edition). COTO shall form the Standard Specifications applicable to this contract. It is a requirement of this contract that the Contractor shall have a full set of the Standard Specifications available on-site full time.

These specifications are available and tenderers must obtain copies at their own cost from PO Box 415, Pretoria, 0001 (for documents from the Department of Transport/SANRAL).

The relevant COTO Standardised Specifications listed below for Civil Employer's Agenting Construction, shall apply to this contract.

APPLICABLE STANDARDISED SPECIFICATIONS

Although not bound in nor issued with this document, the following Standardised Specifications shall form part of the contract document and shall apply:

- Site Clearance
- General Requirements & trenching for services
- Drainage (water, sewerage and stormwater)
- Earthworks & Pavement Layers: Materials
- Earthworks & Pavement Layers: Construction
- Surface Treatment
- Asphalt Layers

These COTO Standard Specifications may also be inspected, by appointment, at the offices of the Employer and the Consulting Employer's Agents during normal office hours.

3.4.3 ADDITIONAL / PROJECT SPECIFIC SPECIFICATIONS

The following Particular Specifications shall form part of this contract:

- Segmented Paving
- Ancillary Roadworks
- Roadmarking
- Environmental Management
- CIR
- Ultra-Thin Asphalt
- Speedhumps and Raised Pedestrian Crossing
- Health & Safety Requirements

ADDITIONAL PROJECT SPECIFIC SPECIFICATIONS

SP001 SEGMENTED PAVING

Concrete paving blocks

Concrete paving blocks shall comply with the requirements of SABS 1058. The block shall be of the class, type and thickness specified in the project specifications, on the drawings, or in the schedule of quantities. The surface texture and colour of all blocks shall be uniform.

The maximum allowable abrasion depth shall be 1.5 mm.

Clay paving blocks

Clay pavers shall conform to the SABS 1575 and shall be chamfered.

SP 8.0 MEASUREMENT AND PAYMENT

Concrete block paving

Expenditure shall be made in accordance with the General Conditions of Contract. The provisional sum allowed shall include the actual cost incurred for the procurement of the materials. The actual costs for materials shall not be subject to contract price adjustment. The unit of measurement shall be the square meter of completed concrete block paving. The quantity shall be calculated from the dimensions in the drawings or authorised by the employer's agent. The tendered rate shall include full compensation for furnishing all material (excluding the actual concrete pavers), constructing the sand bedding, laying and compacting the concrete pavers, filling the joints with jointing sand and all other work necessary to complete the concrete pavers as specified.

Clay block paving

The unit of measurement shall be the square meter of completed clay block paving. The quantity shall be calculated from the dimensions in the drawings or authorised by the employer's agent. The base colour for the clay pavers shall be De Hoop Red or as instructed by the employer's agent. The tendered rate shall include full compensation for furnishing all material, constructing the sand bedding, laying and compacting the clay pavers, filling the joints with jointing sand and all other work necessary to complete the clay block pavers as specified.

SCRM: ROAD MARKINGS

SCRM 1.0: Materials

Road-marking paint

Road-marking paint shall comply with the requirements of SABS 731-1 for type 1, type 2 or type 4 paint as specified in the project specifications. The no – pick –up time of road marking paint shall comply with class 1 requirement in SABS 731-1.

The paint shall be delivered to the site in sealed containers marked in accordance with SABS 731-1.

The viscosity of the paint shall be such that it can be applied without being thinned down.

Retro-reflective road-marking paint

Retro-reflective road – marking paint shall comply with the necessary requirements.

Plastic road – marking material

Where specified in the project specifications, hot – melt plastic road – marking material shall comply with the requirements of BC 3262. The binder shall be a plasticized synthetic resin, and the material shall be reflectorized by mixing in 20% by mass Class A beads in accordance with BS 6088.

MEASUREMENT AND PAYMENT

SCRM 8: SCHEDULED ITEMS FOR ROAD MARKING

Non – reflectorized road – marking, Retro – reflective road – marking and Plastic Road marking

The unit of measurement for painting the lines shall be in meters of each specified width of line and the quantity paid for shall be the actual length of line painted in accordance with the instructions of the engineer, excluding the length of gaps in broken lines.

The unit of measurement for painting the lettering, symbols, transverse lines or painted island and arrestor bed markings shall be a square meter, and the quantity to be paid for shall be the actual surface area of lettering, symbols or transverse lines, painted island and arrestor bed markings completed in accordance with the instructions of the engineer.

The tendered rate per kilometer or per square meter as the case may be for painting the road markings shall include full compensation for procuring and furnishing all material, including the retro reflective beads in the case of retro reflective paint, and the necessary equipment, and for painting, protecting and maintenance as specified, including the setting – out of lettering, symbols and transverse lines, painted island and arrestor bed markings, but excluding setting out and pre - marking the lines.

Roadstuds

In terms of SANS 1442 the following are definitions of the various categories of roadstuds:

- Category A roadstuds Corner cube retro-reflectors
- Category B roadstuds Biconflex retro-reflectors
- Category C roadstuds omnidirectional retro-reflectors

MEASUREMENT AND PAYMENT

The unit of measurement for (a) shall be the actual number of roadstuds installed. The tendered rates shall include full compensation for procuring and furnishing all labour and equipment related to the installation of the roadstuds but excluding the costs of the actual roadstuds. The actual costs for materials shall not be subject to contract price adjustment.

Setting out and pre – marking

The unit of measurement for setting out lines shall be the kilometer of lines set out and marked. Where two or three lines are to be painted next to each other, and where the center-to-center distances between adjacent lines does not exceed 500mm, the setting – out of lines shall be measured only once.

The tendered rate shall include full compensation for setting out and pre-marking the lines as specified, including all materials.

Removal of existing, temporary or permanent road markings by:

The tendered rate shall include full compensation for the necessary equipment, labour and materials, for any specific protection measures, accommodation of traffic, and the cleaning of the area of all dust, all as specified.

Removal of existing road studs

The tendered rate shall include full compensation for furnishing all equipment, labour and material to remove the existing roadstuds as specified and to repair the road surface in case of any damage, as well as the disposal of roadstuds.

SCCIR: Cold Insitu Recycling

Scope

This section covers work required for the rehabilitation of the upper pavement layers using the cold insitu recycling process. The cold insitu recycling process includes the breakup, the addition of new material, adding water, bituminous stabilisers, chemical additions and the mixing thereof insitu to produce a homogenous mixture (using a purpose built machine), which is spread and compacted in a continuous operation. The Contractor shall note that should he fail to meet the specified requirements for the cold insitu recycled layer, he shall remove the unacceptable recycled layer and replace it with approved granular base all at his own expense.

Materials

Materials from existing pavement layers shall be classified as follows for excavation and processing purposes:

i) Existing Bituminous Material

Bituminous surfacing shall be asphaltting surfacing and bituminous seal from the existing layers. Where the asphalt surfacing and bituminous seal is recycled together with the underlying layers, the mixture will not be classified as bituminous material.

ii) Granular Material

The base and sub-base pavement layers in the existing pavement shall be classified as granular materials. Granular material shall include crushed stone and natural gravel and can consist of cemented or non-cemented material. Crushed stone obtained from existing pavements and processed as gravel material will be paid for as gravel material and not as crushed stone.

iii) Extra Material

Extra material as specified shall consist of:

a) Gravel base

The gravel base material shall be a G5 type material.

b) Crusher Dust

Crusher dust shall be an approved crusher sand obtained from a parent rock. The grading shall comply with Standard Specification.

iv) Bituminous Stabilisation

a) Bituminous Stabilising Agents

Emulsion:

Anionic - 60 % stable grade bitumen emulsion SABS 309 (SANS 309)

Cationic - 65 % stable grade bitumen emulsion SABS 548 (SANS 548)

a) Additive for Bituminous Stabilisation

The Stabilising additive shall be one or more of the following agents specified on the drawings, in the schedule of rates or ordered by the Engineer and shall comply with the appropriate SABS / SANS specification.

- i) Road lime SABS 824 (SANS 824)
- ii) Portland Cement (CEM I – 32,5N) SABS EN 197-1 (SANS 50197-1)

Water

Water used for diluting emulsions shall be clean and free from any salts that will cause the emulsion to break during dilution and shall be tested for compatibility with the prescribed Stabilising agent.

Composition of Recycled Mixes

The recycled granular base mix shall consist of existing bituminous material, granular material from existing pavement layers, extra material where required, bituminous stabilising agent and stabilising additives.

The final composition of the mix shall be determined by the Employer's Agent and any adjustments to the mix constituents that may be required during construction shall be authorised by the Employer's Agent. The Employer's Agent reserves the right to adjust the composition of the mix at any time should he/she deem it necessary. The Contractor shall obtain the final mix proportions from the Engineer before any materials are ordered.

The following formulas shall be used to calculate the quantities of emulsion and cement required in the recycling process:

$$\text{Emulsion (liters)} = [(\text{Max. dry density} \times \text{volume}) / 100] \times \% \text{ emulsion specified}$$
$$\text{Cement (kg)} = [(\text{Max. dry density} \times \text{volume}) / 100] \times \% \text{ cement specified}$$

The Employer's Agent shall issue the Contractor with the values for maximum dry density of the recycled material.

Plant and Equipment

a) Recycling Equipment

Only approved cold insitu recycling equipment may be used. The plant shall be so equipped that it will be able to recycle pavement layers to depths up to at least 300 mm in one operation. The plant shall be so equipped that the bituminous stabiliser, stabilising additive and water can be added uniformly in a calibrated and controlled manner directly to the material being recycled. Width reduction must be possible on the application nozzles when overlap recycling is done. The recycling depth shall be controlled by approved means. The direction and speed of the recycling machine and the speed of rotation of the scarifying drum shall be adjustable so as to obtain the required grading and sufficient mixing of all the components of the recycled material. The machine shall be capable of making a neat vertical cut at the outer edges when recycling the layer. Where a recycling machine is to be used to process the existing pavement layers the following requirements must be met:

- The machine must be capable of recycling to the required depth in a single pass. Two-stage recycling will not be acceptable.
- The machine is to be equipped with an automatic on-board spraying system that can accurately apply a metered quantity of water over the full width of the milling drum.

- The machine must be capable of mixing the materials in the different horizons within the upper 230mm to a homogeneous material.
- Electronic sensors shall be fitted to maintain the recycling depth within a tolerance of ± 5 mm.
- The speed of rotation of the recycling drum and the forward speed of the machine shall be adjustable so as to obtain a grading of the recycled material that is of maximum size 26.5mm.
- The outer edges of cut shall be vertical and neat, and the floor of cut shall be neat and clean, and to the lines required by the design.
- The bituminous stabilising agent shall be applied through an on-board dispensing system. The chemical stabilising agent may either be applied through an on-board automatic dispensing system or be spread ahead of the machine on the existing road surface. The width of application shall be the same as the cut-width of the recycling machine.
- The milling machine shall be used to simultaneously mix the full layer thickness whilst water is injected so as to produce a uniform product.
- The mixed material is to be placed and compacted to the required density within the required construction tolerances and moisture content constraints.
- Bulking of material will be determined early in the contract to determine ideal recycling depths.”

b) General

The equipment to be used for the conventional breaking-up and excavation of existing pavement layers will be determined by the size and depth of the pavement section to be processed or excavated, taking into consideration of the fact that work may have to be carried out in restricted areas. Only approved cutting or sawing equipment may be used for cutting or sawing the asphalt layers. The equipment shall be capable of cutting layers to the specified depth in one operation without fragmenting the material, and in straight lines within the required tolerances.

Setting out and control of the work

The Contractor shall establish his own reference and level beacons for setting out and control of the works. The Contractor shall indicate his own reference and control beacons to the Employer’s Agent at least one week before the rehabilitation work is programmed to commence. The Employer’s Agent will take control measurements to determine the accuracy and adequacy of the reference/control beacons, and may instruct the Contractor to correct any faulty work and to take and provide such additional measurements and details as may be deemed necessary by him. This survey work will not be measured and paid for directly and compensation for any work involved in staking or setting out will be deemed to be covered by the rates tendered and paid for the various items of work included in this contract. No payment will be made for any inconvenience or delay caused by compliance with these requirements.

CONSTRUCTION

a) Removal of Grass and Weeds

Prior to commencing in-place recycling, all grass, weeds, etc, encroaching into or onto the road surface or growing between the edge of the existing surfacing and kerbs, channels, etc, shall be removed.

b) Preparing the Pavement Surface

Before cold insitu recycling may commence, the pavement surface shall be clean and free from soil or other deleterious material. Extra material (if required) shall be spread to the thickness and width as specified. The area to be recycled shall be properly demarcated. No payment will be made for cold, insitu recycling beyond the required width. In situ moisture: The Contractor shall determine the in situ moisture content of the granular base course at least 48 hours before recycling commences. The Contractor must satisfy himself/herself that the in situ moisture of the material prior to recycling is at a level, which will result in achieving the required compaction of 98% of modified AASHTO density using available compaction techniques and equipment. Leaving the material to dry for a period of 24 hours and shaping and re - compacting the material to 98% of modified AASHTO density, should this become necessary. The final decision to let the material dry out shall lie with the Employer's Agent.

c) Construction in Confined Areas

It may be necessary for the Contractor to work within confined areas. The method of construction in these confined areas will depend largely on the Contractor's constructional plant. However, the Contractor shall note that measurement and payment will be in accordance with the specifications and drawings irrespective of the method used, and that the rates and amounts tendered shall be deemed to include full compensation for any special equipment or construction methods or for any difficulty encountered in working in confined areas and narrow widths, and at or around obstruction, and that no extra payment will be made nor will any claim for payment be considered on account of these difficulties.

Alongside kerbs and channels and/or median barriers, no separate payment will be made for working in close proximity to these elements and the Contractor shall include for having to work close up to the elements in his tendered rates for the cold insitu recycling process.

d) Recovery of Bituminous Material

Where ordered by the Employer's Agent, the existing bituminous material shall be milled to a depth as specified. The recovered material shall be transported and stockpiled. The limits of milling shall be demarcated clearly and these limit shall not be exceeded by more than 100 mm. Areas milled outside the specified limits shall be repaired by the Contractor at his own cost and to the satisfaction of the Employer's Agent.

e) Spreading of Extra Material on a Layer prior to Recycling

Where the existing pavement layer or surfacing level is too low and where specified or instructed by the Employer's Agent, suitable pavement material shall be added to the layer to make up the shortfall prior to recycling the layer. Suitable pavement material for addition to make up a layer shortfall shall consist of new aggregate or granular base material as specified or directed by the Employer's Agent.

The extra pavement material shall be spread uniformly over the full area of the underlying shortfall layer by means of an approved type of mechanical spreader to such thickness. Segregation of the materials shall be avoided and the additional material shall be placed free from pockets of coarse and fine materials. Extra material shall only be spread on the section to be recycled and only immediately prior to the recycling operation.

f) Cold In Situ Recycling

The existing pavement material shall be broken down to the specified depth and processed in place. The recycled material, extra material, bituminous stabilising agent, additives and water shall be thoroughly mixed by the recycling mixing process with recycling plant. The bituminous stabilising agent, additives and water shall be measured by mass and quantities calculated in accordance with the formulas given and shall be introduced continuously in a controlled manner which is proportional to the rate of advance as to ensure the correct quantity of each material is added to the full width of section being recycled.

It is a specific requirement of this contract that the emulsion tanker supplying the emulsion be equipped with an approved measuring device (i.e. 'Dip stick') so as to enable the site staff to take control 'dips' at intervals specified by the Employer's Agent. The recycling operation will be cancelled/interrupted unless this requirement is met.

The method of introducing the various materials comprising the final mix shall be subject to the Employer's Agent approval. Care shall be taken to prevent excessive loss of moisture between the time when the materials are mixed and when they are compacted on the road.

g) Spreading

The recycled mix shall be spread and levelled by motor grader to the required width and to such thickness as will comply with the requirements specified after final compaction. Segregation of the materials shall be avoided and the layers shall be free of pockets of coarse or fine materials.

h) Compaction

The completed compacted layer shall have a minimum insitu dry density of **98%** of modified AASHTO density. The maximum dry densities and optimum moisture contents issued by the Employer's Agent are to be used purely as a guide and it shall be the responsibility of the Contractor to determine the maximum compaction control. The Contractor may select any suitable compaction technique to achieve this required compaction, subject to the following conditions:

The initial compaction shall be carried out with plant which achieves a stability suitable for subsequent compaction without causing undue displacement of the material or deformation of the layers. The rolling pattern shall be so designed as to retain the shape of the layers as far as possible.

The types and number of compaction equipment to be used and the amount of rolling to be done shall be such as to ensure that specified densities are obtained without damage being done to lower layers or structures. During compaction the layer shall be maintained to the required shape and cross-section, and all holes, ruts and laminations shall be removed.

Compaction equipment shall be adequate for obtaining the specified density within the specified time limits.

The compaction equipment and techniques shall be capable of producing the specified surface finish and density without any interruption.

i) Slushing

Method 1

Immediately after completion of the compaction described in subsection (h), the road surface shall be watered, rolled and slushed by means of the heaviest available pneumatic-tyred roller (normally 28 tonnes) followed by a 10 to 12 tonne steel-wheeled roller (no vibration) to finish the surface and to remove marks left by the pneumatic-tyred roller. Should the material be wetter than fluid optimum, care should be taken to prevent excessive deformation of the surface by too much rolling. The final surface should be smooth, tightly knit and free of undulations, corrugations, holes, bumps or loose material.

Method 2

Immediately after completion of the compaction described in subsection (h), an invert bitumen emulsion complying with SABS 1260 diluted 1:1 with water, shall be applied to the road surface using a water truck (0,5 liters/m² application rate), and shall be rolled and slushed by means of steel wheeled rollers with a mass of not less than 12 tons each, and/or with pneumatic rollers. The final surface should be smooth, tightly knit and free of undulations, corrugations, holes, bumps or loose material.

j) Blading

Blading of cold insitu recycled granular bases shall be carried out when instructed by the Employer's Agent. Blading shall be done to remove surplus material to such widths and depths as may be instructed by the Employer's Agent and shall be disposed of as prescribed. Blading or skimming off of surplus material shall be defined as being effectively removed by means of road graders. Blading shall be carried out when the recycled granular base is at the correct moisture content. The Contractor shall determine the moisture content at which the material is to be bladed to facilitate the proper blading of the surface. The bladed surface shall be finished to level in keeping with the designed profile for the existing road to shed water from the road. On the high and low side of super-elevated section the surface shall be bladed to the specified design crossfall for the existing road. No undercutting or small windrows which will prevent water flowing freely off the road surface or into culvert inlets shall be left. Any drains blocked off shall be opened and spillage into the culvert inlet and outlets timeously removed. Any surplus material resulting from the blading work shall be removed from the site and disposed of or stockpiled at an approved site as ordered by the Employer's Agent and shall remain the property of the Employer.

k) Disposal of Surplus Material

Recovered pavement material remains the property of the Employer. Surplus materials, including waste or oversize material, bladed or skimmed off the road, shall be stockpiled at designated areas. Should the Employer decide not to use the surplus material, the Contractor shall then spoil the material at an approved spoil site. A free haul distance of 5 km shall apply in both cases.

l) Checking moisture content prior to surfacing

The mixing and placing of asphalt will not be allowed if:

- i) free water is present on the working surface; or if
- ii) the moisture content of the upper 50 mm of the recycled base exceeds 60% of the optimum moisture content.

Weather Limitations

No insitu recycling shall be commenced if the threat of rain is present.

Operational Limitation

The Contractor shall arrange his insitu recycling of existing pavement layer operations to minimise the disruption of public traffic. Every effort shall be made to ensure the safety of the travelling public on existing roads through the site of the works at all times.

In situ recycling operations shall be carefully planned and executed in accordance with the following limitations:

- a) Individual work areas shall be clearly demarcated with traffic signs, delineators and traffic control facilities as specified.
- b) The individual work areas shall be planned in such a manner that all recycled pavement layers are compacted as specified according to the necessary requirements for a day's production.
- c) The Contractor is to note that as soon as the construction process has been completed, the finished road section shall be opened to traffic. The recycled layer shall be cured for a period of at least three (3) days before the asphalt is placed. No priming shall be done unless the recycled layers have been inspected and accepted by the Employer's Agent.
- d) Within individual working areas, the Contractor shall make adequate provision for drainage of milled, excavated and/or asphalt overlay areas where water can pond or be contained against a difference in depth on the roadway. No separate payment will be made for the provision a use of standby pumps and dewatering equipment or cutting of drainage slots and/or channels to effectively drain the roadway surface where instructed by the Engineer in the interests of safety for the travelling public. The Contractor shall make due allowance for this drainage in this tendered rates.
- e) Delineators shall be placed along each longitudinal step exceeding 20 mm between adjacent lanes of the roadway.
- f) The maximum allowable step within a lane open to traffic shall be restricted to 20 mm. If, due to plant breakdown or other unforeseen circumstances, a longitudinal or transverse step higher than 20 mm occurs within a lane, the strip shall be feathered off by means of compacted asphalt over a distance of 500 mm.
- g) Crossing of the median of dual carriageway roads by Contractor's plant or vehicles shall not be permitted.

Protection and Maintenance

The Contractor is to note that as soon as the construction process has been completed, the finished road section shall be opened to traffic. The Contractor shall protect the completed granular base layers from all damage until the asphalt work is complete. Any damage occurring to the completed base or any defects which may develop due to faulty workmanship, shall be made good by the Contractor at his own expense and to the satisfaction of the Employer's Agent. Repairs shall be made in a manner approved by the Employer's Agent to ensure an even and uniform surface. During working and construction of the base, precautionary measures shall be taken to prevent kerbs and channelling and concrete work from being damaged or shifted. Care shall be taken to protect all precast units from chipping and breakage. Concrete kerbing and channelling as well as other structures adjacent to the road shall be protected against staining by bitumen or bituminous stabilised base being placed. Any work stained by bitumen shall be broken down and replaced, unless all such bitumen is completely removed so not to show any stains. Painting over stained work will not be allowed. Where the cold in situ recycling process is to be carried out at existing structures care shall be exercised to avoid damage to concrete elements, expansion joints, manholes, catchpits, etc. Damage caused to any element forming part of the permanent works shall be repaired at the Contractor's cost. Due care shall be exercised when working around existing gullies or kerb inlets so as not to cause blockages. This shall be achieved by either covering them with steel plates during the recycling process or by removing all trapped material immediately after the recycling operation.

Construction Tolerances and finishing requirements

a) Construction Tolerances

The applicable construction tolerances are the relevant where the existing granular base abuts kerbs, channels or New-Jersey barriers the new work shall extend to the edge of these facilities. Unless otherwise specified, the recycled base shall be constructed to the existing levels, cross-section profile and crossfall to allow an asphalt surfacing layer of minimum specified thickness to be placed on the completed recycled granular base.

b) Bituminous stabilising agents

The average rate of application of bituminous stabilising agent as measured at operating temperature in the recycling plant and distributor shall be within 10% (if specified rate of application < 2, 0% net bitumen) or 5% (if specified rate of application _ 2, 0% net bitumen) of the specified rate of application and these shall constitute the acceptance limits.

c) Testing

The Contractor shall give the Employer's Agent at least 24 hours' notice of his intention to recycle so that the actual process can be controlled by the Employer's Agent. Unless otherwise agreed in advance the Contractor shall only recycle when the Employer's Agent or his representative is present.

Trial Sections

Where ordered by the Employer's Agent, the Contractor shall execute trial cold insitu recycling on the various materials to be reprocessed. During the trial work, the Contractor will be expected to vary the direction and the forward speed of the machine, and also the reprocessing depth, in order to obtain compliance with the level tolerances and surface texture and for traffic safety requirements. Trial sections shall be carried out at sites indicated by the Employer's Agent.

MEASUREMENT AND PAYMENT

Cold insitu recycled granular layer (modified/stabilised) compacted to 98 % of mod. AASHTO density to a depth of cut of:

metre (m ²)	i) 150 mm deep	Unit: Square
metre (m ²)	ii) 200 mm deep	Unit: Square
metre (m ²)	iii) 250 mm deep	Unit: Square
metre (m ²)	iv) 300 mm deep	Unit: Square

The unit of measurement shall be the square metre of pavement recycled to the depth of cut specified by the Employer's Agent. The tendered rate shall include full compensation for the provision of all plant, labour, materials and all other incidentals necessary to produce the finished layer as specified. Measurement and payment of the bituminous and chemical stabilising agents shall be made under the relevant pay items B3.3.0 and B3.4.0. The tendered rate shall include full compensation for setting out the works, breaking up the existing pavement structure to the specified depth,

breaking down and preparing the material, spreading and mixing the stabilising agents, mixing with water to obtain a uniform consistency, placing and compacting the material to the required density, removal to spoil or a stockpile area of the Council of all excess material, as well as the curing, protection and maintenance of the layer, conducting process control tests, and protecting the adjacent pavement and its repair, should it be damaged. The tendered rate shall also include full compensation for the cleaning of the surface and the referencing of lane and control survey markings as specified. Where ordered by the Employer's Agent, the recycling of pavement layers to depths other than specified, payment will be made on a pro-rata basis between the tendered rates for minimum depths scheduled.

Bituminous stabilising agents:

The unit of measurement shall be the litre of bituminous stabilising agent applied as specified or as instructed by the Employer's Agent within the limit or necessary tolerances. The tendered rate shall include full compensation for providing, diluting and applying the stabilising agent, irrespective of the prescribed rate of application.

Additive for bituminous stabilisation:

The unit of measurement shall be the ton of additive applied as specified or instructed by the Employer's Agent.

The tendered rates shall include full compensation for providing and spreading the additive and for the incidentals required for mixing it in. The tendered rates shall apply irrespective of the percentage of additive prescribed between the limits of 0, 5% and 2, 5 % by mass.

Blading of surplus material to windrow.....cubic metre (m3)

The unit of measurement shall be the cubic metre of surplus material bladed to windrow as specified by the Employer's Agent. The tendered rate shall include full compensation for all labour, equipment and any other incidentals required for blading of surplus material to windrow with a motor grader.

Removal from site of surplus material.....cubic metre (m3)

The unit of measurement shall be the cubic metre of surplus material removed. The volume shall be determined as prescribed by the engineer and shall be the loose volume in stockpiles or its equivalent measured in hauling vehicles. Accurate load and haul sheets shall be kept on site and submitted to the Employer's Agent. The tendered rate shall include full compensation (including any delays or disruptions caused by the removal of surplus material to the recycling process) for loading and transporting the surplus material to a designated spoil or stockpile site within a free-haul distance of 5 km.

Slushing of recycled granular base as specified in section

The unit of measurement shall be the square metre of recycled granular base slushed in accordance with the required Project Specification. The tendered rate shall include full compensation for providing all materials, plant, labour and any other incidentals required.

Trial sections were ordered

The unit of measurement shall be of the square metre of cold in situ recycled sections constructed as ordered. The tendered rate shall include full compensation for the construction of the trial section of cold in situ recycled layers complete as specified. Allowance shall be made in the tendered rate for standing time of a maximum of two days to enable the Employer’s Agent to assess the suitability of the equipment and the effectiveness of the recycling process.

Recycling of pavement layers in confined areas

The unit of measurement shall be the square metre of recycled pavement layers placed in confined areas as specified.

Ripping of pavement layers as specified to a depth of:

The unit of measurement shall be the square metre of pavement layers ripped, dried-out and re -compacted. The tendered rate shall include full compensation for the milling of existing pavement layers, spreading and final blading of the material and compacting the material to the specified density.

Extra over for static rolling.....square metre (m2)

The unit of measurement shall be the square metre of recycled granular layer rolled statically at the instruction of the Employer’s Agent. The tendered rate shall be paid as extra over the rates tendered for the item above, and shall include full compensation for all additional costs to statically roll the recycled granular layer as instructed by the Employer’s Agent.

SCUTA Ultra - Thin Asphalt (UTA)

Scope

This section covers the specifications and work related to the construction of an Ultra-Thin Asphalt (UTA) surfacing in terms of performance criteria, and includes, inter alia, field measurements, acceptance criteria, remedial work and payment items related to the UTA and extended guarantee.

General

In the event that any part of it is at variance with the Standard Specifications, these specifications shall apply. The recommendations given in SABITA Manual 27: "Guidelines for thin layer hot mix asphalt wearing courses on residential streets" shall be followed, particularly for:

Mix design criteria and design procedure
Construction
Quality control

The contractor should notify the engineer of his design criteria (SABITA Manual 27 or other approved) to be applied for the mix design for acceptance. The ultra-thin asphalt (UTA) surfacing will be required to provide the following functional performance properties:

A levelling action and ride-quality improvement
No chip-loss or loose stone
A hard-wearing riding surface
Quick curing, able to be opened to traffic almost immediately
Sealing action for a low permeability
Good adhesion to lower layer

Materials

Unless contrary to the requirements of a certified proprietary product, the constituents shall comply with the following requirements:

Summation of requirements:

Ultra-Thin Asphalt (UTA) shall have the following composition:

Grading: Continuous graded hot mix asphalt

Aggregate: Maximum Aggregate Size of 6.7 mm

Binder: 60/70 or 80/100 pen grade bitumen

Allow a nominal binder content of 6% for tender purposes

Tack Coat: Tack Coat must be applied evenly and timeously to allow the new layer to bond effectively to the underlying surface.

Layer Thickness: Maximum layer thickness not to exceed 20mm. Target layer thickness relating to a specific asphalt product to be nominated by the Supplier/Contractor.

Application Method: The product shall be placed by conventional paver and compacted to meet the required functional properties

a) Tack Coat

The tack coat shall be a purpose-made bituminous emulsion e.g. Anionic 60, diluted with 50% water. Allow for a nominal spray rate of 0.5 litres/m² (0.15litres of Nett binder) for tender purposes.

Construction and weather limitation

Paving works shall only be undertaken when the air temperature is at least 15°C and rising and the road surface temperature is at least 20°C and rising. No paving shall be undertaken during rain or immediately after a rainy spell. The areas to be covered with Ultra-Thin Asphalt shall be cleared of dust and loose particles by means of a mechanical or hand brooming. The Employer's Agent shall decide whether any areas require leveling layers or scratch coats to fill in depressions or low areas.

The areas shall be covered with a tack coat of dilute bitumen emulsion sprayed at the agreed rate. The tack coat shall be allowed to dry until the water has evaporated before the UTA is to be placed using suitable paving equipment. Application temperatures of the UTA shall be between 120°C and 140°C.

As keys are generally not required next to kerbs and channels, a pneumatic roller shall be used to compact the rounding of the layer next to kerbs and channels as well as to complete the compaction of the layer. Transverse keys and "feathering off" of minimum length of 1m shall be constructed where the new mat ties in with existing surfaces.

Measurement and payment

The unit of measurement shall be the ton of Ultra-Thin Asphalt placed in accordance with the specified requirements, where it has been agreed with the Employer's Agent that the application of thicker layers or Levelling layers is required to enable the required level or finish. The tendered rate shall include full compensation for procuring and providing all materials, irrespective of its origin, for all mixing, placing, compacting and finishing as specified, work in restricted areas, and also for all machinery (establishment excluded), equipment, labour, supervision and other incidentals for executing the work, complete as specified. No additional payment will be made for construction of joints for the purpose of tying in with existing levels unless agreed in writing with the Employer's Agent.

SCSPH Speed humps and Raised Pedestrian Crossing

Scope

This section covers the removal of an existing speed hump and raised pedestrian crossing and the preparation for and construction of a new speed hump and raised pedestrian crossing during the course of resurfacing / rehabilitation projects. It furthermore includes the marking of the finished speed humps and raised pedestrian crossings.

Road Markings

Please note that the road markings leading up to the speed hump / raised pedestrian crossing shall be in accordance with the details specified in the South African Road Traffic Signs Manual. The new speed hump and raised pedestrian crossing shall only be marked when the premix has cooled sufficiently. This may result in the speed hump and/or raised pedestrian crossing remaining unmarked overnight. In this case, flashing red or orange lights shall be affixed to barriers to indicate the work site.

Measurement and Payment

Removal of existing speed hump and/or raised pedestrian crossing at the location indicated by the Employer's Agent.....cubic metre (m3)

The unit of measurement shall be the cubic metre of speed hump(s) and raised pedestrian crossing(s) removed during the course of resurfacing / rehabilitation projects. The quantity shall be computed in accordance with the authorised dimensions (i.e. cross-sectional area and length) of removed material. The tendered rate shall include full compensation for providing plant, labour and all other incidentals necessary for the removal of the speed hump(s) / raised pedestrian crossing(s), including loading and transporting the removed material to an approved stockpile site.

Provision of new speed hump at the location indicated by the Employer's Agent...cubic metre (m3)

Provision of new raised pedestrian crossing (Crossing only; excluding wheelchair ramps) at the location indicated by the Employer's Agentcubic metre (m3)

The unit of measurement shall be the cubic metre of speed humps and raised pedestrian crossings constructed during the course of resurfacing / rehabilitation projects. The quantity shall be computed in accordance with the authorised dimensions (i.e. cross-sectional area and length) of placed material. The tendered rate shall include full compensation for procuring, furnishing, mixing and placing the material, and all other work necessary for completing the speed humps and raised pedestrian crossings as specified.

Provision of new wheelchair ramp (including dip kerb) at the location indicated by the Employer's Agentsquare metre (m2)

The unit of measurement shall be the square metre of wheelchair ramp(s) constructed during the course of resurfacing / rehabilitation projects. The quantity shall be computed in accordance with the authorised dimensions (i.e. plan area) of constructed ramp.

Raising or Lowering of existing manholes, frames and chambers

Scope

Where shown on the drawings or ordered by the Employer's Agent, existing manhole chambers, chimneys, covers and frames shall be adjusted in level to suit the new surroundings. Demolition and breaking out shall be executed with care and only the minimum consistent with the requirements shall be removed.

The Contractor shall exercise due care to ensure that debris does not fall into manholes and block them. The Contractor shall make good, careless or excessive demolition at his own expense. New construction shall be in accordance with the drawings and the Specifications. The Contractor will be held responsible for the timely adjustment of all covers and frames in advance of surrounding construction whether they are indicated on the drawings or by the Employer's Agent or not. No claims for delays arising from the failure of the Contractor to effect the necessary adjustments in good time will be allowed.

3.4.4 WAYLEAVES, PERMISSIONS AND PERMITS

The Contractor shall be responsible for obtaining all of the necessary wayleaves, permissions or permits applicable to working near any existing services or other infrastructure on Site.

The Contractor shall abide by any conditions imposed by such wayleaves, permissions or permits.

The Contractor shall ensure that all wayleaves, permissions and permits are kept on site and are available for inspection by the relevant service authorities on demand.

The Contractor shall also ensure that any wayleaves in respect of electricity services are renewed timeously every three months.

3.4.5 EMPLOYMENT OF SECURITY PERSONNEL

All security staff employed by the contractor at any Saldanha Bay Municipality property must be registered with Private Security Industry Regulatory Authority (PSiRA). Proof of such registration must be made available to the employer's agent upon request.

3.4.6 UNIVERSAL ACCESS

In pursuit of becoming a fully accessible, the Saldanha Bay Municipality expects all Consultants and Service Providers to design and construct to SANS Standards for accessible Design, and any relevant Saldanha Bay Municipal documents as may be relevant, and to exhibit a commitment to employing Universal Design Principles in their design, construction, service and product delivery of construction projects. This applies to all projects whether new, temporary, upgrades or rehabilitation works.

The contractor will engage with project representatives on how Universal Design Principles will enhance accessibility, within this project, that meets a variety of needs and creates a municipality that is accessible to everyone.

C3.5 MANAGEMENT

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3.5.1 MANAGEMENT OF THE WORKS

3.5.1.1 Planning and programming

It is essential that the contractor furnish a program within the time stated in the Contract Data. If necessary, the Employer's Agent may instruct the contractor to adjust his programme to suit other activities. If a preliminary program has been required in terms of the tender, then it shall be used as a basis for this programme. The programme shall be in the form of a bar chart and shall show the anticipated quantities and value of work to be performed each month. The contractor must also indicate the critical path on the programme.

If, during the progress of the work, the quantities of work performed per month fall below those shown on the programme, or if the sequence of operations is altered, or if the programme is deviated from in any other way, the contractor shall, be notified by the Employer's Agent as defined in GCC 2015 to submit a revised programme and cash flow projection.

If the programme has to be revised by reason of the contractor falling behind his programme, he shall produce a revised programme showing how he intends to regain lost time in order to ensure completion of the works within the time for completion as defined in the general conditions of contract 2015 or any granted extension of time. Any proposal to increase the tempo of work must be accompanied by positive steps to increase production by either providing more resources on site or using the available resources in a more efficient manner.

Failure on the part of the contractor to submit or to work according to the programme or revised programmes shall be sufficient reason for the engineer to take steps as provided in the general conditions of contract.

The approval by the engineer of any programme shall have no contractual significance other than that the engineer will be satisfied if the work is carried out according to such programme and that the contractor undertakes to carry out the work in accordance with the programme. It shall not limit the right of the Employer's Agent to instruct the contractor to vary the programme should circumstances make this necessary.

3.5.1.2 Sequence of the works

The proposed works comprises of road construction, resurfacing, resealing, overlay applications and ancillary works on all prioritized roads by the Employer's Agent in the Saldanha Bay Municipal Area.

For construction purposes the contractor shall strictly adhere to the prioritized list supplied by the Employer's Agent.

3.5.1.3 Methods and procedures

Refer to the Standardised Specifications, as applicable.

3.5.1.4 Quality plans and control

The onus to produce work which conforms in quality and accuracy of detail to the requirements of the specifications and drawings rests with the contractor, and the contractor shall, at his own expense, institute a quality-control system and provide experienced engineers, foremen, surveyors, materials technicians, other technicians and technical staff, together with all transport, instruments and equipment, to ensure adequate supervision and positive control of the works at all times.

The costs of all supervision and process control, including testing thus carried out by the contractor shall be deemed to be included in the rates tendered for the related items of work.

The contractor's attention is drawn to the provisions of the various standardized specifications regarding the minimum frequency of testing that will be required for process control. The contractor shall, at his own discretion, increase this frequency where necessary to ensure adequate control.

On completion of every part of the work and submission thereof to the engineer for examination, the contractor shall furnish the Employer's Agent with the results of all relevant tests, measurements and levels to indicate compliance with the specifications.

The contractor shall engage the services of an approved independent testing laboratory for all the testing of all the materials and all the quality testing of layer works, to ensure that his work conforms to the specifications.

The contractor shall at his own cost, supply all samples that may be required. Material or work not conforming to the approved samples shall be rejected. The engineer reserves the right to submit samples to any tests to ensure that the material represented by the sample conforms to the requirements of the specifications.

No separate payment will be made for such testing by an approved independent laboratory, the costs of which will be deemed to be included in the contractor's tendered rates for the various items of work requiring testing in accordance with the specifications.

Accommodation of traffic on public roads occupied by the contractor

Refer to the Standardised Specifications, as applicable.

Closure of traffic lane(s) adjacent to the construction work area will only be permitted during specified off-peak periods. The Contractor shall plan his operations to ensure that the closing and opening of lanes conform to the time periods specified below, or as instructed or approved by the Employer or Employer's Agent.

(a) the safety and convenience of the travelling public is to be considered of utmost importance and every effort must be made to ensure that all temporary road signs, cones, flagmen and speed controls are maintained and effective, and that courtesy is extended to the public at all times.

(b) It is important that the traffic accommodation requirements described in these specifications are adhered to and that all installations meet with the approval of the Traffic Manager of Saldanha Municipality. Liaison will be set up with the traffic authorities by the Employer's Agent.

(c) Only one traffic lane per direction may be closed to traffic at a time. Where two lanes are required to be closed on a three-lane multilane directional roadway to create a work area, one lane shall be dropped at a time with a suitable stabilizing area between the two lane drop as shown on the drawings. Closure of a traffic lane or partial lane will only be permitted once the traffic control facilities and temporary traffic diversions / deviations have been approved.

Closure of traffic lanes for work areas will only be permitted during non-peak time periods, which is Monday to Friday inclusive 09:00 to 15:30. All lanes must be open to traffic at the following times:

- AM Peak: Monday to Friday inclusive: 06:00 to 08:30.
- PM Peak: Monday to Friday inclusive: 16:00 to 18:00.

Weekends

- AM Peak: Saturday to Sunday inclusive: 08:00 to 09:00.
- PM Peak: Saturday to Sunday inclusive: 16:00 to 18:00.

Requirements for safety and accommodation of traffic as set out in the Project Specifications shall be strictly enforced.

The Contractor's tendered rates for the relevant items in the schedule of quantities shall include full compensation for all possible additional costs which may arise from this, and no claims for extra payment due to inconvenience as a result of the modus operandi will be considered.

(d) Wherever practicable, the Contractor shall maintain pedestrian access across the existing roads and at-grade pedestrian crossing(s) on existing roads. The Contractor shall erect temporary pedestrian fencing to re-route pedestrians to cross the existing roads at suitable locations during the rehabilitation / resurfacing operations.

(e) The travelling public 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.

(f) Failure to maintain road signs, warning signs or flicker lights, etc, in good condition shall constitute ample reason for the Employer's Agent to bring the works to a stop until the road signs, etc, have been repaired to his satisfaction.

(g) The Contractor may not commence constructional activities before adequate provision has been made to accommodate traffic in accordance with the requirements of this document, the South African Road Traffic Signs Manual (SARTSM) and the CSRA/CUTA Road Signs Note No. 13, Roadworks.

(h) The Contractor shall submit proposals in connection with all signs and accommodation of traffic to the Employer's Agent for approval.

3.5.1.6 Other contractors on site

No other contractors are anticipated to be on the site of the works. However, the Saldanha Bay Municipality contractors may require access to the site for repairs to their respective services. The contractor is required to provide access and co-operate with these authorities when the need arises.

3.5.1.7 Testing, completion, commissioning and correction of defects

Refer to the Standardised Specifications, as amended in the variations and additions, and the Particular Specifications, as applicable.

3.5.1.8 Recording of weather

The vendor must obtain the necessary information

3.5.1.9 Format of communications

No press statements are allowed without the prior written approval of the Employer.

Contractual communication will flow between the Contractor and Employer's Agent as normally required. Normal routine matters should as far as possible be resolved on site between the Contractor's Agent and Employer's Agent Representative.

All site correspondence, site instructions, requests for inspections, etc. will be recorded accordingly.

All site correspondence need to be signed by both parties to acknowledge receipt.

3.5.1.10 Key personnel

The Contractor needs to submit a schedule of key personnel with contact details to be employed on site. The schedule should include as a minimum the Contract Manager, Site Agent, Project Manager and H&S Official in terms of the Occupational Health and Safety Act and the Health and Safety Representative on site.

3.5.1.11 Management meetings

Regular Site Meetings will be held approximately once a month that would include the Employer and its agents, the Contractor and other local authorities.

Technical Site Meetings will be held as the need arises between the Contractor and the Employer's Agent(s). The level of representation at the meetings shall be of such a nature as to permit that decisions be taken.

3.5.1.12 Forms for contract administration

Standard forms for the contract administration purposes shall be provided by the Employer's Agent.

3.5.1.13 Daily records

The Contractor will be required to keep and maintain the following daily records:

1. Resources on site (labour and plant) clearly distinguishing between local labour and own resources.
2. Site diary stipulating the activities conducted for that day
3. Weather conditions.

3.5.2. ENVIRONMENTAL MANAGEMENT PROGRAMME

3.5.2.1 Employer's Agent's authority to delegate

In terms of Clause 3.2.4 of the General Conditions of Contract, Third Edition, 2015 (GCC 2015), the Employer's Agent has the authority to appoint a representative. Other than the Employer's Agent's Representative (ER) in terms of Clause 3.2, this can be in the form of an Environmental Officer (EO), who shall be responsible for monitoring compliance with the EMP. All instructions given by the EO shall go through the ER, who will then convey these to the Contractor, except in the case of an environmental emergency, in which case the EO can issue an instruction directly to the Contractor. An environmental emergency is one which, in the opinion of the EO, would cause serious environmental harm if not addressed immediately.

Depending on the nature/environmental sensitivity of the Contract the following variations in the organisational structure are possible:

The ER may work together with an EO; or

There may be an ER only (for construction projects with low potential for causing significant environmental impacts). In this case the ER has responsibility for the EO's functions.

There may be an independently appointed Environmental Control Officer (ECO) who will fulfil essentially the same functions as the EO. The ECO may work with just the ER (if there is no EO) or may work with both the ER and EO.

3.5.2.2 Materials handling, use and storage

The Contractor shall ensure that any delivery drivers are informed of all procedures and restrictions (including "no go" areas) required to comply with the EM Specification. The Contractor shall ensure that these delivery drivers are supervised during off loading by someone with an adequate understanding of the requirements of the EM Specification.

Materials shall be appropriately secured to ensure safe passage between destinations. Loads, including but not limited to, sand, stone chip, fine vegetation, refuse, paper and cement, shall have appropriate cover to prevent them spilling from the vehicle during transit. The Contractor shall be responsible for any clean-up resulting from the failure by his employees or suppliers to properly secure transported materials.

All manufactured and or imported materials shall, where reasonably possible, be stored within the Contractor's camp and, if so required by the Employer's Agent, out of the rain. The location and method of protection of such materials stored outside of the Contractor's camp and the method of rehabilitation of these areas, shall be subject to the Employer's Agent's approval.

Stockpile areas shall be approved by the Employer's Agent before any stockpiling commences.

3.5.2.3 Hazardous substances

Hazardous chemical substances (as defined in the Regulations for Hazardous Chemical Substances in GN 1179 (25 August 1995)) stored on Site for use during construction shall be stored in secondary containers which are clearly and appropriately marked/signed. The relevant Material Safety Data Sheets (MSDS) shall be available on Site. Procedures detailed in the MSDSes shall be followed in the event of an emergency situation.

If potentially hazardous substances are to be stored on Site, the Contractor shall inform the Employer's Agent of such substances and provide a Method Statement detailing the substances/ materials to be used, together with the storage, handling and disposal procedures of the materials. Hazardous substances shall be stored out of flood risk areas and disposal of these substances shall be at a licensed waste disposal facility.

3.5.2.4 Fuel (petrol and diesel) and oil

Storage

If fuel and oil is to be stored on Site, then the Contractor shall submit a Method Statement covering the procedures for dealing with accidental hydrocarbon spillage and leaks, and detailing how these liquids will be stored, handled and disposed of.

The Employer's Agent shall approve the location of all fuel storage areas. All necessary approvals with respect to fuel storage and dispensing shall be obtained from the appropriate authorities. Symbolic safety signs depicting "**No Smoking**", "**No Naked Lights**" and "**Danger**" conforming to the requirement of SANS 1186 are to be prominently displayed in and around the fuel storage area. There shall be adequate fire-fighting equipment at the fuel storage area.

The Contractor shall ensure that all liquid fuels and oils are stored in tanks with lids, which are kept firmly shut and adequately secured. The capacity of the tank shall be clearly displayed and the product contained within the tank clearly identified using the emergency information system detailed in SANS 0232 part 1. Fuel storage tanks shall have a capacity not exceeding 9000 litres and shall be kept on site only for as long as fuel is needed for construction activities, on completion of which they shall be removed.

The tanks shall be situated on a smooth impermeable base with an earth bund. The volume inside the bund shall be 110% of the total capacity of the largest storage tank. The base may be constructed of concrete, or of plastic sheeting with impermeable joints, covered by a layer of compacted earth to protect the sheeting. The impermeable lining shall extend to the crest of the bund. The floor of the storage area shall be sloped to enable any spilled fuel and/or fuel-contaminated water to be removed easily.

If any rainwater collects in the bunded areas, it shall be promptly removed and taken off Site to a disposal site approved by the Employer's Agent.

Only empty and externally clean tanks may be stored on the bare ground. Empty and externally dirty tanks shall be sealed and stored on an area where the ground has been protected.

Adequate precautions shall be provided to prevent spillage during the filling of any tank and during the dispensing of the contents. If fuel is dispensed from 200 litre drums, the proper dispensing equipment shall be used, and the drum shall not be tipped in order to dispense fuel. The dispensing mechanism for the fuel storage tanks shall be stored in a waterproof container when not in use.

Refuelling

Plant shall be refuelled at a designated refuelling area approved by the Employer's Agent. The surface under the temporary refuelling area shall be protected against pollution to the reasonable satisfaction of the Employer's Agent prior to any refuelling activities. The Contractor shall ensure that there is always a supply of absorbent material (e.g. Spill Sorb or Enretech #1 powder or equivalent) readily available that is designed to absorb, break down and encapsulate minor hydrocarbon spillage. The quantity of such material shall be able to handle a minimum of 200 litres of hydrocarbon liquid spill.

Treatment and remediation

Treatment and remediation of hydrocarbon spill and leak areas shall be undertaken to the satisfaction of the Employer's Agent. In the event of a hydrocarbon spill the source of the spillage shall be isolated and the spillage contained.

3.5.2.5 Ablution and toilet facilities

Washing, whether of the person or of personal effects, defecating and urinating are strictly prohibited other than at the facilities provided.

The Contractor shall provide ablution facilities for all personnel employed on the Site, including shelter, toilets and washing facilities. The Contractor's personnel will not be permitted to use the municipalities' ablution facilities.

Toilet facilities provided by the Contractor shall occur in a ratio of not less than 1 toilet per 30 workers (1:15 is preferred) of each sex. Toilet facilities shall be located within the Contractor's camp, but also at work areas remote from the camp, all to the satisfaction of the Employer's Agent. All portable toilets shall be adequately secured to the ground to prevent them toppling over as a result of wind or any other cause.

The Contractor shall ensure that the entrances to these toilets are adequately screened from view, that they are maintained in a hygienic state, serviced regularly, that no spillage occurs when they are cleaned and that contents are removed from Site. Toilets shall also be emptied before any temporary site closure for a period exceeding one week. Discharge of waste from toilets into the environment and burial of waste is strictly prohibited. The Contractor shall provide toilet paper at all times. No ablution facilities shall be located closer than 50m to any water body

A Method Statement shall be provided by the Contractor detailing the provision, location, and maintenance of ablution facilities.

3.5.2.6 Eating areas

The Contractor shall designate eating areas within the approved Contractor's camp. The feeding of, or leaving of food for, animals is strictly prohibited. Sufficient bins, as specified in shall be present in these areas.

Any cooking on Site shall be done on well-maintained gas cookers with fire extinguishers present. No open fires for cooking purposes shall be permitted, unless for occasional use in facilities specifically provided for this purpose and within the confines of the Contractor's camp.

3.5.2.7 Solid waste management

Litter and refuse

The site shall be kept neat and clean at all times, littering is prohibited.

No on-site burying or dumping of any waste materials, vegetation, litter or refuse shall occur. The Contractor shall provide scavenger and weatherproof bins with lids, of sufficient number and capacity to store the solid waste produced on a daily basis. The lids shall be kept firmly on the bins at all times. Bins shall not be allowed to become overfull and shall be emptied regularly, at least once a week. Waste from bins may be temporarily stored on Site in a central waste area that is weatherproof and scavenger-proof, and which the Employer's Agent has approved. Wherever possible refuse shall be recycled, and containers for glass, paper, metals and plastics shall be provided and the contents delivered to suitable recycling facilities when necessary.

All other litter and refuse shall be disposed of off Site at an approved landfill site. The Contractor shall supply the Employer's Agent with a certificate of disposal.

Construction waste

Where possible all construction waste or spoil material shall be recycled, either on Site or elsewhere. As a last resort all construction waste shall be disposed of off Site at an approved landfill site. The Contractor shall supply the Employer's Agent with a certificate of disposal.

3.5.2.8 Contaminated water management

Potential pollutants of any kind and in any form shall be kept, stored, and used in such a manner that any spill or escape can be contained and the water table and/or any adjacent water courses or bodies are not endangered. Spill kits which can be used to contain and/or mop up spills shall be available. Water containing such pollutants as cements, concrete, lime, chemicals, oils and fuels shall be discharged into a conservancy tank for removal from the Site to a licensed disposal facility. This particularly applies to water emanating from concrete batching plants and to runoff from fuel storage, refuelling or construction equipment washing areas. Wash down areas shall be placed and constructed in such a manner so as to ensure that the surrounding areas are not polluted.

No paint products, chemical additives and cleaners, such as thinners and turpentine, may be disposed of into the stormwater system or elsewhere on Site. Brush/roller wash facilities shall be established to the satisfaction of the Employer's Agent.

A Method Statement shall be provided by the Contractor detailing the management of contaminated water.

3.5.2.9 Asphalt and bitumen

Bitumen drums/products, if stored on Site, shall be stored in an area approved by the Employer's Agent. This area shall be indicated on the Method Statement for the Layout and Preparation of the Contractor's Camp. The storage area shall be constructed with an appropriate base, bunding and sump to the satisfaction of the Employer's Agent. A Method Statement shall be provided in this regard.

When heating bitumen products, the Contractor shall take cognisance of appropriate fire risk controls. Heating shall only be undertaken using LPG or similar zero emission fuels. Appropriate fire - fighting equipment shall be readily available on Site.

3.5.2.10 Dust

The Contractors shall be solely responsible, at his cost, for the control of dust arising from his activities on Site, and for any costs involved in damages resulting from the dust. The Contractor shall take all reasonable measures to minimise the generation of dust.

3.5.2.11 Clearance of Site on completion

On completion of the Works, and at final completion when all defects have been remedied or corrected, the Contractor shall, in addition to the requirements for clearance of the Site in terms of the Contract, ensure that he has complied with the following requirements:

- Clean-up of improperly secured transported materials, and rehabilitation of storage areas.
- Remediation of hydrocarbon spill and leak areas.
- Disposal of litter, refuse and Contractor's waste.
- Removal of temporary fences and Contractor's camp.
- Repair of access roads damaged by the Contractor, and rehabilitation of temporary access routes.
- Rehabilitation of burnt areas should a fire be the result of Contractor's activities on Site.
- Rehabilitation of heritage and natural features, including vegetation, which is damaged or disturbed, which required protection in terms of these clauses.
- Rectification where erosion and/or sedimentation has occurred due to the fault of the Contractor and removal of contractor's advertising signage.

3.5.3. HEALTH AND SAFETY

3.5.3.1 Legal Requirements

All Contractors entering into a Contract with Saldanha Bay Municipality, shall, as a minimum, comply with the:

- Occupational Health & Safety Act and Regulations (Act 85 of 1993). A current, up-to-date copy of Occupational Health Safety Act shall be available on site at all times.
- Compensation for Occupational injuries & Diseases Act (Act 130 of 1993). The principle Contractor will be required to submit a letter of Registration and “good-standing” from the Compensation insurer before being awarded the Contract. A current, up-to-date copy of the Compensation for Occupational Injury and Diseases Act (COIDA) shall be available on site at all times.
- Disaster Management Act

3.5.3.2 Structure and Responsibilities

Overall Supervision and Responsibility for Occupational Health and Safety

- The Client (Saldanha Bay Municipality) is to ensure that the Contractor, appointed in terms of Construction Regulation 5(1) (k), implements and maintains the agreed and approved Occupational Health & Safety Plan.
- The Chief Executive Officer of the Contractor, in terms of Section 16(1) of the Act, is to ensure that the Employer (as defined in the Act) complies with the Act.
- It is a requirement that the Contractor, when he appoints Sub-Contractors in term of Construction Regulations⁷ (1) (c) includes an Occupational Health & Safety Act Section 37(2) agreement (“Agreement with Mandatory”) in his agreement with the Sub-Contractors.
- The Contractor must have an Occupational Health & Safety Act (85 / 1993), Section 16(2) appointee.
- The municipality must ensure that the contractor appoints a Construction Supervisor and Assistant Construction Supervisor in terms of Construction Regulation 8.

Further (Specific) Supervision Responsibilities for Occupational Health & Safety

The Contractor shall appoint designated competent employees and/or other competent persons as required by the Act and Regulation. The appointments shall be in writing and the responsibilities clearly stated together with the period for which the appointment is made. This information must be communicated and agreed with the appointees and be available in the safety file on site.

Important: No contractor will be allowed to commence work at any construction site before the Site Access Certificate has been approved by the Project Manager and SBM SHER Manager.

Designation of Occupational Health & Safety Representatives (Section 18 of the Occupational Health & Safety Act)

3.5.3.3 Administrative Controls and the Occupational Health & Safety File

The Occupational Health & Safety File

As required by Construction Regulation 7(1) (b), the Contractor and other Contractors will each keep an updated Occupational Health & Safety File on site containing the following documents as a minimum:

- Notification of Construction Work (Construction Regulations 4) (Annexure 2)
- Copy of Occupational Health & Safety Act (updated) (Gen Administrative Regulation 4)
- Proof of Registration and good standing with a COID Insurer (Construction Regulation 4 (g))
- Copies of Occupational Health & Safety Committee and other relevant Minutes
- Designs/drawings (Construction Regulation 7(1) (e))
- A list of Contractors including copies of the agreements between the parties (Section 37(2) agreement in terms of the OHS act) and the type of work being done by each Contractor (Construction Regulation 9)
- Appointment/Designation forms (For example H&S rep, first aider etc.)
- Appointment of Compliance officer in relation to Covid pandemic
- Electrical Installations, -Equipment & -Appliances including temporary certificate of compliance
- Valid Medical Certificated of Fitness (Construction Regulation 7 (1))
- Covid Plan and risk assessment

Notification of Construction Work

The Contractor shall, where the Contract meets the requirements laid down in Construction Regulation 4, notify the Department of Labour within 7 days of the intention to carry out construction work. A copy must be held on the Occupational Health & Safety File.

3.5.3.4 Training, Awareness and Competence

General Induction Training

All persons on site are to attend a general induction session presented by the Contractor. All persons on the site shall be in possession of documentation/proof that they have undergone General Induction training. The Contractor will be required to develop project specific induction training based on the Risk Assessments for the Contract work and train all employees and other Contractors and their employees in this.

Other Training

All operators, drivers and users of construction vehicles, mobile plant and other equipment (for example overhead cranes) shall be in possession of documentation proving that they have undergone training to operate said vehicles, plant and equipment. All employees in jobs requiring training in terms of the Act and Regulations shall be in possession of valid proof of training as required.

Competence

The Contractor shall ensure that all appointed staffs is competent and that all training required to do the work safely and without risk to health, has been completed before work commences. The Contractor shall ensure that follow-up and refresher training is conducted as the contract work progresses and the work situation change. Records of all training shall be kept on the Health & Safety file for auditing purposes.

Consultation, Communication and Liaison

Occupation Health & Safety Liaison between the Client, Principal Contractor, other Contractors, Designer and other concerned parties will be through the Client/Project Manager or the representative assigned by the Client. In addition to the above, communication may be directly with the Client or his appointed Agent, verbally or in writing, as and when the need arises. The Principle Contractor will be required to do Site Safety Audits with the Client/Project Manager on a basis to be determined between the two parties.

All the results of the abovementioned inspections shall be in writing, reviewed, endorsed and placed on the Occupational Health & Safety File.

3.5.3.5 Incident Reporting and Investigation

Reporting of Accidents and Incidents

The Contractor shall report all incidents where an employee is injured on duty to the extent that he/she:

- Dies
- Becomes unconscious
- Loses a limb or part of a limb

Is injured or becomes ill to such a degree that he/she is likely either to die or to suffer a permanent physical defect or likely either to die or to suffer a permanent physical defect or likely to be unable for a period of at least 14 days either to work or continue with the activity for which he/she was usually employed to the Client within two days and to the Provincial Director of the Department of Labour within seven days (Section 24 of the Act & General Administrative Regulation 8.) EXCEPT that, where a person has died, has become unconscious for any reason or has lost a limb or part of a limb or may die or suffer a permanent physical defect.

Accident and Incident investigation

The Contractor is responsible for the investigation of all accidents/incidents where employees and nonemployees were injured to the extent that he/she/they had to be referred for medical treatment by a doctor, hospital or clinic and the results of the investigation shall be entered into the Accident/Incident Register. The Contractor is responsible for the investigation of all minor, non-injury incidents and near misses. Saldanha Bay Municipality reserves the right to hold its own investigation into an incident or call for an independent external investigation.

The Contractor is required to provide the Client with copies of all internal and external accident/incident investigation as well as all statutory reports required in terms of the Act within 7 days of the incident occurring.

3.5.3.6 Operational Control

Emergency Preparedness, Contingency Planning and Response

The Contractor shall appoint a competent person to act as Emergency Coordinator. The Contractor shall conduct an emergency identification exercise and establish what emergencies could possibly develop. He/she must then develop detailed contingency plans and emergency procedures.

First Aid

The Contractor shall provide relevant First Aid equipment and have qualified First Aider/s on site as required by General Safety Regulation 3 of the Occupation Health & Safety Act.

Security

The Contractor shall develop, implement and maintain Security- and Site Access Control rules and procedures throughout the construction period. Access control shall include the rule that non-employees will not be allowed on site unaccompanied.

Fall Protection (Working in Elevated Positions)

Any work undertaken at height above ground level higher than two metres or any floor level will be classified as "Work in Elevated Positions" and a pre-emptive Risk Assessment shall be carried out. Workers working in elevated positions shall be trained to do this safely, without risk and compliant with legislation.

Scaffolding

Detailed consideration shall be given to all scaffolding to ensure that it is properly planned to meet the working requirements. Scaffolding may only be erected, altered

or dismantled by a person who has adequate training and experience in this type of work or under the supervision of such a person (Proof of competence to be put on the OHS File).

Construction Vehicles & Mobile Plant (CV&MP)

All Construction Vehicles and Mobile Plant shall be inspected by the Contractor prior to being allowed on a project site and suppliers of hired vehicles, plant and equipment will be required to comply with this specification as well as the Occupational Health & Safety Act and Regulations.

No unauthorised persons are to be allowed to drive CV&MP. Operators/driver of CV&MP shall be competent to operate the equipment safely and be in possession of a valid medical certificate issued by an Occupational Medicine Practitioner testifying that the holder is physically and psychologically fit to operate the equipment.

Electrical Installations

Temporary electrical installations shall be carried out by competent persons, and controlled by a competent person that has been appointed to do so in writing, in accordance with Construction Regulation 24 and the Electrical Installation Regulations. Temporary electrical installations shall be inspected at least once per week by a competent person and a record of the inspections kept in the Occupational Health & Safety File.

The Contractor **shall** ensure that:

Existing electrical services are located and marked before construction commences and during the progress thereof. Where this is not possible, workers with jackhammers etc. are to be protected against electric shock by the use of suitable protective equipment like insulated handles, rubber mats etc.

Electrical installations and –machinery are sufficiently robust to withstand working conditions on site.

All electrical machinery used on site are inspected before start-up on a daily basis by a competent person and that a record of the inspection is kept in the Occupational Health & Safety File.

An electrical and mechanical lock-out procedure for the construction site shall be developed by the Principle Contractor and submitted for approval by the Project Manager before construction commences. This lock-out procedure shall be adhered to by all Contractors on site.

3.5.3.7 Asbestos

Regulation 10: Notification of asbestos work

(1) No employer, self-employed person or asbestos client may carry out any **type 1 asbestos work** unless the Chief Director: Provincial Operations has been **notified in**

writing of the location, venue and contact details of where the asbestos work will be done, **at least seven days prior to commencement of such work.**

(2) No employer, self-employed person or asbestos client may carry out any **type 2 or type 3 asbestos work** unless the Chief Director: Provincial Operations has been notified, in writing, **at least seven days prior to commencement** of such work.

(3) A shorter time period for notification contemplated in sub regulations (1) and (2) may be allowed by the Chief Director: Provincial Operations in the event of any emergency.

(4) Written notification contemplated in sub regulation (2) must be provided in the format indicated in **Annexure 2.**

(5) The relevant Chief Director: Provincial Operations must ensure **that acknowledgement of receipt is provided, in writing**, to the employer, self-employed person or asbestos client **within the seven- day** notification period.

Regulation 8: Duties of persons who may be exposed

(3) **Persons involved in type 1 asbestos work** must obey any lawful instructions pertaining to occupational health and safety given by or on behalf of the employer, as applicable, regarding -

- a) The acquisition of a copy of the relevant part of the inventory of asbestos in place for the workplace;
- b) The demarcation of the regulated asbestos area, as required in regulation 18, to prevent unauthorised entry, using signage as per Annexure 1;
- c) As far as is reasonably practicable, the use of non-destructive wet methods during removal procedures;
- d) The use of appropriate tools and equipment to limit, as far as is reasonably practicable, the release of asbestos dust;
- e) The appropriate type and use of personal protective equipment and clothing;
- f) The thorough decontamination of equipment;
- g) The containment, and labelling in terms of regulation 20, and disposal of asbestos waste in terms of regulation 21; and
- h) The disposal of used disposal overalls and respiratory protective equipment, where applicable, as asbestos waste.

(4) **Any persons involved in type 2 and type 3 asbestos work**, who may be exposed to asbestos at the workplace, must obey any lawful instruction pertaining to occupational health and safety, given by or on behalf of the employer or a self-employed person, regarding –

- a) Compliance with requirements of the asbestos plan of work that was approved for that site-specific asbestos work in terms of regulation 15;
- b) As far as reasonably practicable, the use of non-destructive wet methods during asbestos removal work;
- c) The prevention of asbestos dust becoming airborne;
- d) The appropriate type and use of personal protective equipment and clothing;
- e) Wearing of monitoring equipment to measure personal exposure to asbestos;
- f) Reporting for medical surveillance as required by regulation 17;

- g) The cleaning up and disposal of any asbestos waste;
- h) Decontamination of the structure of a workplace, building or plant, of any visible dust residue where asbestos removal work has been undertaken;
- i) Housekeeping at the workplace, personal hygiene and good environmental and health practices, including eating, drinking and smoking in designated places, as provided;
- j) Information and training received as contemplated in regulation 7;
- k) The correct decontamination procedure that must be followed as given in the approved plan of work.

Regulation 9: Control Exposure to Asbestos

Employers and self-employed persons **must not allow anybody to work in or to enter an environment in which they may be exposed to asbestos** that will exceed the exposure limit for asbestos. The exposure limit is currently set at a 0,1 regulated asbestos fibres per millilitre of air measured in accordance with HSG 248.

Employers must, by means of applying good occupational hygiene principles, **keep the airborne asbestos concentration in the workplace at the lowest possible level**, but definitely not in excess of the occupational exposure limit (OEL). Good occupational hygiene principles include the following:

- The design and layout of the workplace, engineering measures to control dust, good housekeeping, and good personal hygiene are **the first line of defence**.
- **Administrative controls**,
- Thorough **training and supervision of employees**; and
- The **involvement of all employees** in safety and health matters in the workplace.

In cases where the concentration of airborne asbestos fibres cannot be contained at or below the occupational exposure limit, employees must be issued with approved/ homologated respiratory protective equipment (minimum P2 or FF2). However, this is the last line of defence, and the employer must first be able to prove that there is no other reasonable way to reduce the airborne asbestos to below the OEL.

Regulation 12: Duties of registered asbestos contractor for asbestos work

12. (1) In the case of **type 2 and type 3 asbestos work**, the registered asbestos contractor must –

- a) Undertake only the type of asbestos work for which they are registered by the chief inspector;
- b) Appoint an occupational health and safety representative as contemplated in section 17 of the Act; and
- c) Obtain a **copy of an up-to-date inventory of asbestos** in place from the asbestos client, prior to asbestos work taking place.

(2) Before commencement of any asbestos work and during such work, the registered asbestos contractor must ensure that –

- a) A **risk assessment is performed** that includes –

- i) Identification of the hazards to which persons may be exposed;
 - ii) An assessment of the risks related to the hazards based on a documented method; and
 - iii) Documented control measures to mitigate the risk;
 - b) The risk assessment contemplated in sub regulation (a) **is reviewed** –
 - i) At regular documented intervals
 - ii) When an incident has occurred; and
 - iii) When the scope of work changes; and
 - c) An up-to-date copy of the risk assessment **is made available at the relevant asbestos work site.**
- (3) The registered contractor must –
- a) Ensure that the **approved plan of work is submitted to the Chief Director: Provincial Operations at least seven days prior to commencement of asbestos work;**
 - b) **Appoint in writing an asbestos removal supervisor** for each asbestos work site, who must ensure –
 - i) Occupational health and safety compliance on the asbestos removal site;
 - ii) Compliance with safe asbestos removal or repair procedures;
 - iii) The correct use of personal protective equipment; and
 - iv) Proper decontamination and waste disposal;
 - c) **Adhere to repair or removal methodology and associated control measures provided in the plan of work** approved for that specific asbestos work;
 - d) Ensure that the **employee medical and training records are available** on site for inspection and validation;
 - e) Ensure that at least the **following information** for every employee is recorded and **kept for a minimum period of 50 years** –
 - i) Physical address of every asbestos work project, and
 - ii) Names and identification numbers of employees potentially exposed;
 - f) Before commencement of asbestos work, ensure that –
 - i) An approved inspection authority has been appointed in writing by the asbestos client; and
 - ii) The registered asbestos contractor is registered and in good standing with the Compensation Fund or with a licensed compensation insurer as contemplated in the Compensation for Occupational Injuries and Diseases Act, 1993; and
 - g) Where a fatality or permanent disabling injury occurs during asbestos work, ensure that a **report about the fatality or injury is provided to the Chief Director: Provincial Operations** as contemplated in section 24 of the Act, and in accordance with regulations 8 and 9 of the General Administrative Regulations, 2003, and that the report includes the measures that the contractor intends to implement to ensure safe asbestos work.

Regulation 13: Duties of approved inspection authorities for asbestos work
An approved inspection authority involved in type 2 or type 3 asbestos work must:

- a) Ensure that the **appropriately registered asbestos contractor** performs only type 2 or type 3 asbestos work, as the case may be;
- b) Obtain a copy of an **up-to-date inventory of asbestos in place** from the asbestos client prior to asbestos work taking place;
- c) In consultation with the registered asbestos contractor, **compile a plan of work** in accordance with regulation 15;
- d) **Approve and submit the plan of work** at least seven days prior to commencement of asbestos work **to the Chief Director: Provincial Operations** for acknowledgement;
- e) **Receive acknowledgement from the Chief Director: Provincial Operations** within the seven –day period;
- f) **Confirm the employee medical certificate of fitness and asbestos training records** for that asbestos work;
- g) **Provide guidance and site-specific instructions** to the registered asbestos contractor on the approved plan of work;
- h) **Inspect adherence to the approved plan of work** and requirements of these **Regulations**;
- i) **Stop** any registered asbestos contractor from **executing any asbestos work which poses a health or safety risk** to persons until such time that the risk has been appropriately mitigated;
- j) **Perform planned asbestos air monitoring** in accordance with regulation 16 and provide, as soon as is reasonably practicable, air monitoring results to the registered asbestos contractor and asbestos client;
- k) **Issue a written report**, which includes findings and, where necessary, recommendations; and
- l) **Ensure that**, upon completion of type 2 and type 3 asbestos work, **clearance is performed** as required in regulation 22.

3.5.3.8 Housekeeping

A contractor must, in addition to compliance with the Environmental Regulations for Workplaces, 1987, promulgated by Government Notice No. R. 2281 of 16 October 1987. Ensure that suitable housekeeping is continuously implemented on each construction site, including:

- The proper storage of materials and equipment;
- The removal of scrap, waste and debris at appropriate intervals;
- Ensuring that materials required for use, are not placed on the site so as to obstruct means of access to and egress from workplaces and passageways;
- Ensuring that waste and debris are not disposed of from a high place with a chute, unless the chute complies with the requirements set out in regulation 14 (6);
- Ensuring that a catch platform or net is erected above an entrance or passageway or above a place where persons work or pass under, or fencing off the danger area if work is being performed above such entrance,

passageway, or place so as to ensure that all persons are kept safe in the case of danger or possibility of persons being struck by falling objects.

3.5.3.9 Personal & Other Protective Equipment

The Contractor shall identify the hazards. Engineering- and other solutions to mitigate the hazard(s) should be attempted before the issue of **personal protective equipment (PPE)** is considered.

The Contractor is required to inform employees of health and safety hazards and issue them with suitable equipment to protect them from these hazards. It is a further requirement that the Contractor maintains the equipment and instructs and train employees in the use of the equipment. Employees do not have the right to refuse to use/wear safety equipment.

3.5.3.10 Medical Certificate of Fitness

The Principal Contractor must ensure that all his/her employees have a **Valid Medical Certificate of Fitness** issued by an **Occupational Health Practitioner**.

3.5.3.11 Public Health & Safety

The Contractor is responsible for ensuring that non-employees affected by the construction work, like visitors, the surrounding community and passers-by, are made aware of the dangers likely to arise from the construction work as well as the precautionary measures to be observed to avoid or minimise these dangers. **Appropriate signage** must be posted to this effect and all employees on site shall be instructed to insure that non-employees are protected at all times. All non-employees on site shall be instructed to ensure that non-employees are protected at all times. All non-employees entering the site must receive induction into the hazards and risks and the control measures.

3.5.3.12 Any National Pandemic

The contractor will provide a detailed plan outlining its scope of work and how it will protect it workers or those on its premises. Plan should include latest disaster management act and the directives applicable and how compliance will be enforced

3.5.3.13 Appendix:

Notification of Construction work – To be provided by contractor at project stage.
Medical Certificate of Fitness - To be provided by contractor at project stage.

ANNEXURES

ANNEXURE 1
AUTHORITY OF SIGNATORY

ANNEXURE 2
PREVIOUS EXPERIENCE

ANNEXURE 3
B-BBEE STATUS LEVEL

ANNEXURE 4
MUNICIPAL INFORMATION

ANNEXURE 5
VALID TAX CLEARANCE CERTIFICATE

ANNEXURE 6
RECORD OF ADDENDA

ANNEXURE 7
COMPANY PROFILE

ANNEXURE 8

COMPANY REGISTRATION & SHAREHOLDING

ANNEXURE 9

**ATTENDANCE REGISTER AND CLARIFICATION
MEETING MINUTES**

ANNEXURE 10

**PROOF OF: {CONSTRUCTION INDUSTRY
DEVELOPMENT BOARD
(CCIDB)}REGISTRATION**

ANNEXURE 11

**PROOF OF: {BARGAINING COUNCIL FOR THE
CIVIL ENGINEERING INDUSTRY (BCCEI)}
CERTIFICATE**