



CONTRACT NO: TEC 09/2025 – CONSTRUCTION OF VERIAKOP BRIDGE IN WARD 9 FOR THE PERIOD OF FOUR (4) MONTHS

CIDB GRADING: 4CE OR HIGHER

TENDER DOCUMENT

PREPARED BY:



Black Dinesty (PTY) Ltd
43 Klipbank Drive
Ladysmith
3370

Contact Person
Mr. MM Hadebe
Tel: 079 729 4216
Email: vuki@blackdinity.com

Name of Tenderer:

Address & Telephone No.:

CIBD Registration No.:

Total price including VAT:

Amount in words:

.....

CHECK LIST FOR TENDER SUBMISSION

The Tenderer is to indicate in the check boxes provided that he has completed the required section of the tender document. Completion of this checklist will assist the Tenderer in ensuring that he has attended to all the required items for submission with this Tender.

Page	Description	Completed		For office use		
		Yes	No	Yes	No	Comments
Cover	Name of Tenderer					
	Contact Details					
	Tender Sum					
	Schedule: 1A	Compulsory Enterprise Questionnaire				
	Schedule: 1B	Authority of Signatory				
	Schedule: 1C	Certificate of Authority for Joint Ventures (if applicable)				
	Schedule: 1D	Registration Certificate/JV Agreement/ And Power of Attorney/ID Documents				
	Schedule: 1E	Record of Addenda to Tender Documents				
	Schedule: 1F	Curriculum Vitae And Qualifications for Key Personnel				
	Schedule: 1G	Personnel Schedule				
	Schedule: 1H	Schedule of Work carried out by the Tenderer				
	Schedule: 1I	Schedule of Plant and Equipment available for the Contract				
	Schedule: 1J	Schedule of Proposed Subcontractors				
	Schedule: 1K	Certificate of Attendance at Clarification Meeting				
	Schedule: 1L	Proposed Amendments and Qualifications				
	Schedule: 1M	Methodology and Project Plan				
	Schedule: 1N	Preliminary Programme				
	Schedule: 1O	Central Supplier Database (CSD) Report				
	Schedule: 1P	Tax Compliance Status Letter Requirement				
	Schedule: 1Q	BBBEE Certificate				
	Schedule: 2A	Certificate of Contractor Registration issued by the CIDB				
	Schedule: 2B	Tenderer's Financial Standing				
	Schedule: 2C	Audited Financials for The Past Three Years				
	Schedule: 2D	Municipal Utility Account / Lease Agreement				

	Schedule: 3A	Workmen's Compensation Certificate					
	Schedule: 3B	Unemployment Insurance Fund (UIF) Certificate					
	Schedule: 3C	Form of Intent to Provide A Performance Guarantee					
	Schedule: 3D	Contractor's Health and Safety Declaration					
	Schedule: 3E	Contractor's Health and Safety Plan					

	C1.1	Form of Offer and Acceptance					
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PART T1: TENDERING PROCEDURES

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OKHAHLAMBA LOCAL MUNICIPALITY

BID NOTICE

Bids are hereby invited in terms of Section 83 of the Municipal Systems Act, Act 32 of 2000 (as amended) and Sections 110 and 112 of the Municipal Finance Management Act, Act 56 of 2003.

Bid documents are obtainable from the **SCM Bids office after paying non-refundable deposit of R500.00** per bid document at cashiers or by EFT made out in favour of Okhahlamba Local Municipality prior to bid collection of the bid document: First National Bank, Branch Code. 220625, **Acc no. 51660362710.**

Any eligible bidder can also download documents free of charge on the web-based portal www.etenders.gov.za with effect **24 June 2025 @ 15:00pm** only service providers registered on National Treasury Central Supplier Database (CSD) and Okhahlamba Local Municipality's database will be considered for bidding.

	Contract Name and Description	Bid Documents availability date	Briefing Session Date, time & Venue	Closing & Opening Date & Time	Bid Enquiries
TEC09/2025 Functionality 70% CIDB: 4CE OR HIGHER	Construction of Veriakop Bridge in ward 9 for FOUR (4) months	From: 24 June 2025 Contact Mrs M Dlamini / B Shezi 036 448 8062/ 036 448 9209	25 June 2025 @10:00am Venue: Okhahlamba local municipality, 259 Kingsway Street, Bergville 3350	03 July 2025 @ 12:00pm	Okhahlamba Municipality Depart: Technical: Mlu Hlatshwayo 082 512 1174/087 086 9336 mlu.hlatshwayo@okhahlamba.gov.za

BID SUBMISSION

Sealed bids **with the contract number and description of the bids endorsed on the envelope with the bidders details clearly indicated** may be couriered using courier services at least two days before closing date to avoid late delivery or be hand delivered and must be deposited at the Okhahlamba Local Municipality's bid box situated in the reception at or before **the specified date and time above**, at which bids will be opened in public in the municipal's Boardroom .Bids received after the said closing date and time as prescribed will not be considered. Facsimile and e-mailed bids will not be accepted.

Bids will be evaluated and adjudicated in terms of the Preferential Procurement Regulations, 2022 pertaining to Specific Goals and other applicable legislations and will be based on 80/20 preference points system.

	POINTS
PRICE	80
SPECIFIC GOALS	20
Total points for Price and SPECIFIC GOALS	100

Bids must only be submitted on the bid documentation that is issued. CSD registration, valid Tax Clearance Certificate plus SARS status verification pin, CK document and other required certificates must accompany the bid document.

The Okhahlamba Local Municipality is not bound to accept the lowest or any bid and reserves the right to accept the whole or part of a bid.

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S N MALINGA
MUNICIPAL MANAGER

INVITATION TO BID – PART A

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE OKHAHLAMBA LOCAL MUNICIPALITY			
BID NUMBER:	TEC09/2025	CLOSING DATE:	03 July 2025
DESCRIPTION:	CONSTRUCTION OF VERIAKOP BRIDGE IN WARD 9		
THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (MBD7).			

BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX
SITUATED AT (STREET ADDRESS)

259 KINGSWAY STREET (OPPOSITE TO ASTRON GARAGE)			
PO BOX 71			
BERGVILLE			
3350			
SUPPLIER INFORMATION			
NAME OF BIDDER			
POSTAL ADDRESS			
STREET ADDRESS			
TELEPHONE NUMBER	CODE	NUMBER	
CELLPHONE NUMBER			
FACSIMILE NUMBER	CODE	NUMBER	
E-MAIL ADDRESS			
VAT REGISTRATION NUMBER			
TAX COMPLIANCE STATUS	TCS PIN:	OR	CSD No:
PREFERENTIAL POINTS (80/20)	PRICE = 80	PREFERENT POINTS = 20	TOTAL = 100

SPECIFIC CONTRACT PARTICIPATION GOALS	20	TICK FOR CLAIM
RACE (EQUITY HDI'S)	10	
DISABILITY/YOUTH	3	
BLACK PEOPLE WHO ARE WOMEN	2	
LOCALITY	5	
TOTAL HDI SCORE	20	

ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	Yes No [IF YES ENCLOSE PROOF]	ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	Yes No [IF YES, ANSWER PART B:3]
TOTAL NUMBER OF ITEMS OFFERED		TOTAL BID PRICE	R
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	FINANCE – SUPPLY CHAIN MANAGEMENT DEPT	CONTACT PERSON	MLU HLATSHWAYO
CONTACT PERSON	THULILE MAPHALALA	TELEPHONE NUMBER	082 512 1174/087 086 9336
TELEPHONE NUMBER	036 – 448 8056/ 087 086 9209	FACSIMILE NUMBER	036 – 448 1986
FACSIMILE NUMBER	036 – 448 1986	E-MAIL ADDRESS	
E-MAIL ADDRESS	Thulile.Maphalala@okhahlamba.gov.za		Mlu.hlatshwayo@okhahlamba.gov.za

PART B
Terms and Conditions for Bidding

1. BID SUBMISSION:		
1.1. Bids must be delivered by the stipulated time to the correct address. Late bids will not be accepted for consideration.		
1.2. All bids must be submitted on the official forms provided– (not to be re-typed) or online		
1.3. This bid is subject to the Preferential Procurement Policy Framework Act and the Preferential Procurement Regulations, 2022, the General Conditions of Contract (GCC) and, if applicable, any other special conditions of contract.		
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.		

**NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.
NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE.**

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:

DATE:

T1.2.1: TENDER DATA: STANDARD CONDITIONS OF TENDER

The Conditions of Tender are the Standard Conditions of Tender of the CIDB Standard for Uniformity in Construction Procurement (refer: www.cidb.co.za).

F.1 GENERAL

F.1.1 Actions

F1.1.1 The Employer and each tenderer submitting a tender offer shall comply with these Conditions of Tender. In their dealings with each other, they shall discharge their duties and obligations, as set out in F.2 and F.3, timeously and with integrity, and behave equitably, honestly and transparently comply with all legal obligations and not engage in anticompetitive practices.

F.1.1.2 The employer and the tenderer and all their agents and employees involved in the tender process shall avoid conflicts of interest and where a conflict of interest is perceived or known, declare any such conflict of interest, indicating the nature of such conflict. Tenderers shall declare any potential conflict of interest in their tender submissions. Employees, agents and advisors of the employer shall declare any conflict of interest to whoever is responsible for overseeing the procurement process at the start of any deliberations relating to the procurement process or as soon as they become aware of such conflict, and abstain from any decisions where such conflict exists or recuse themselves from the procurement process, as appropriate.

Note: 1) A conflict of interest may arise due to a conflict of roles which might provide an incentive for improper acts in some circumstances. A conflict of interest can create an appearance of impropriety that can undermine confidence in the ability of that person to act properly in his or her position even if no improper acts result.

2) Conflicts of interest in respect of those engaged in the procurement process include direct, indirect or family interests in the tender or outcome of the procurement process and any personal bias, inclination, obligation, allegiance or loyalty which would in any way affect any decisions taken.

F.1.1.3 The employer shall not seek and a tenderer shall not submit a tender without having a firm intention and the capacity to proceed with the contract

F.1.2 Tender documents

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

F.1.3 Interpretation

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

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

F.1.3.3 For the purposes of these conditions of tender, the following definitions apply:

- a) **conflict of interest** means any situation in which:
- i) someone in a position of trust has competing professional or personal interests which make it difficult to fulfil his or her duties impartially;
 - ii) an individual or organization is in a position to exploit a professional or official capacity in some way for their personal or corporate benefit; or
 - iii) incompatibility or contradictory interests exist between an employee and the organization which employs that employee.

- b) **comparative offer** means the tenderer's financial offer after all tendered parameters that will affect the value of the financial offer have been taken into consideration in order to enable comparisons to be made between offers on a comparative basis
- c) **corrupt practice** means the offering, giving, receiving or soliciting of anything of value to influence the action of the employer or his staff or agents in the tender process; and
- d) **fraudulent practice** means the misrepresentation of the facts in order to influence the tender process or the award of a contract arising from a tender offer to the detriment of the employer, including collusive practices intended to establish prices at artificial levels
- e) **organization** means a company, firm, enterprise, association or other legal entity, whether incorporated or not, or a public body
- f) **quality (functionality)** means the totality of features and characteristics of a product or service that bear on its ability to satisfy stated or implied needs

F.1.4 **Communication and Employer's agent**

Each communication between the employer and a tenderer shall be to or from the employer's agent only, and in a form that can be readily read, copied and recorded. Communications shall be in the English language. The employer shall not take any responsibility for non-receipt of communications from or by a tenderer. The name and contact details of the employer's agent are stated in the tender data.

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

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

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

F.1.6 **Procurement procedures**

F.1.6.1 **General**

Unless otherwise stated in the tender data, a contract will, subject to F.3.13, be concluded with the tenderer who in terms of F.3.11 is the highest ranked or the tenderer scoring the highest number of tender evaluation points, as relevant, based on the tender submissions that are received at the closing time for tenders.

F.1.6.2 **Competitive negotiation procedure**

F.1.6.2.1 Where the tender data require that the competitive negotiation procedure is to be followed, tenderers shall submit tender offers in response to the proposed contract in the first round of submissions. Notwithstanding the requirements of F.3.4, the employer shall announce only the names of the tenderers who make a submission. The requirements of F.3.8 relating to the material deviations or qualifications which affect the competitive position of tenderers shall not apply.

F.1.6.2.2 All responsive tenderers, or not less than three responsive tenderers that are highest ranked in terms of the evaluation method and evaluation criteria stated in the tender data, shall be invited in each round to enter into competitive negotiations, based on the principle of equal treatment and keeping confidential the proposed solutions and associated information. Notwithstanding the provisions of F.2.17, the employer may request that tenders be clarified, specified and fine-tuned in order to improve a tenderer's competitive position provided that such clarification, specification, fine tuning or additional information does not alter any fundamental aspects of the offers or impose substantial new requirements which restrict or distort competition or have a discriminatory effect.

- F.1.6.2.3 At the conclusion of each round of negotiations, tenderers shall be invited by the employer to make a fresh tender offer, based on the same evaluation criteria, with or without adjusted weightings. Tenderers shall be advised when they are to submit their best and final offer.
- F.1.6.2.4 The contract shall be awarded in accordance with the provisions of F.3.11 and F.3.13 after tenderers have been requested to submit their best and final offer.
- F.1.6.3 Proposal procedure using the two stage-system.**
- F.1.6.3.1 Option 1**
- Tenderers shall in the first stage submit technical proposals and, if required, cost parameters around which a contract may be negotiated. The employer shall evaluate each responsive submission in terms of the method of evaluation stated in the tender data, and in the second stage negotiate a contract with the tenderer scoring the highest number of evaluation points and award the contract in terms of these conditions of tender.
- F.1.6.3.2 Option 2**
- F.1.6.3.2.1 Tenderers shall submit in the first stage only technical proposals. The employer shall invite all responsive tenderers to submit tender offers in the second stage, following the issuing of procurement documents.
- F.1.6.3.2.2 The employer shall evaluate tenders received during the second stage in terms of the method of evaluation stated in the tender data, and award the contract in terms of these conditions of tender.
- F.2 TENDERER'S OBLIGATIONS**
- F.2.1 Eligibility**
- F.2.1.1 Submit a tender offer only if the tenderer satisfies the criteria stated in the tender data and the tenderer, or any of his principals, is not under any restriction to do business with employer.
- F.2.1.2 Notify the employer of any proposed material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used by the employer as the basis in a prior process to invite the tenderer to submit a tender offer and obtain the employer's written approval to do so prior to the closing time for tenders.
- F.2.1.3 Only those tenderers who have in their employ management and supervisory staff satisfying the requirements of the scope of work for labour-intensive competencies for supervisory and management staff are eligible to submit tenders.
- F.2.2 Cost of tendering**
- Accept that, unless otherwise stated in the tender data, the employer will not compensate the tenderer for any costs incurred in the preparation and submission of a tender offer, including the costs of any testing necessary to demonstrate that aspects of the offer comply with requirements.
- F.2.3 Check documents**
- Check the tender documents on receipt for completeness and notify the Employer of any discrepancy or omission.
- F.2.4 Confidentiality and copyright of documents**
- Treat as confidential all matters arising in connection with the tender. He shall use and copy the documents issued by the Employer only for the purpose of preparing and submitting a Tender Offer in response to the invitation.

F.2.5 Reference documents

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

F.2.6 Acknowledge addenda

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

F.2.7 Clarification meeting

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

F.2.8 Seek clarification

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

F.2.9 Insurance

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

F.2.10 Pricing the Tender Offer

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

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

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

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

F.2.11 Alterations to documents

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

F.2.12 Alternative Tender Offers

F.2.12.1 Unless otherwise stated in the tender data, submit alternative tender offers only if a main tender offer, strictly in accordance with all the requirements of the tender documents, is also submitted as well as a schedule that compares the requirements of the tender documents with the alternative requirements that are proposed.

F.2.12.2 Accept that an alternative tender offer may be based only on the criteria stated in the Tender Data or criteria otherwise acceptable to the Employer.

F.2.13 Submitting a Tender Offer

- F.2.13.1 Submit one tender offer only, either as a single tendering entity or as a member in a joint venture to provide the whole of the works, services or supply identified in the contract data and described in the scope of works, unless stated otherwise in the tender data.
- F.2.13.2 Return all returnable documents to the Employer after completing them in their entirety, either electronically (if they were issued in electronic format) or by writing legibly in non-erasable ink.
- F.2.13.3 Submit the parts of the Tender Offer communicated on paper as an original plus the number of copies stated in the Tender Data, with an English translation of any documentation in a language other than English, and the parts communicated electronically in the same format as they were issued by the employer.
- F.2.13.4 Sign the original and all copies of the Tender Offer where required in terms of the Tender Data. The Employer will hold all authorized signatories liable on behalf of the Tenderer. Signatories for tenderers proposing to contract as joint ventures shall state, which, of the signatories is the lead partner whom the Employer shall hold liable for the purpose of the Tender Offer.
- F.2.13.5 Seal the original and each copy of the Tender Offer as separate packages marking the packages as "ORIGINAL" and "COPY". Each package shall state on the outside the Employer's address and identification details stated in the Tender Data, as well as the Tenderer's name and contact address.
- F.2.13.6 Where a two-envelope system is required in terms of the tender data, place and seal the returnable documents listed in the tender data in an envelope marked "financial proposal" and place the remaining returnable documents in an envelope marked "technical proposal". Each envelope shall state on the outside the employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.
- F.2.13.7 Seal the original tender offer and copy packages together in an outer package that states on the outside only the Employer's address and identification details as stated in the Tender Data.
- F.2.13.8 Accept that the Employer will not assume any responsibility for the misplacement of premature opening of the Tender Offer if the outer package is not sealed and marked as stated.
- F.2.13.9 Accept that tender offers submitted by facsimile or e-mail will be rejected by the employer, unless stated otherwise in the tender data.

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

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

F.2.15 Closing time

- F.2.15.1 Ensure that the employer receives the tender offer at the address specified in the tender data not later than the closing time stated in the tender data. Accept that proof of posting shall not be accepted as proof of delivery.
- F.2.15.2 Accept that, if the Employer extends the closing time stated in the Tender Data for any reason, the requirements of the Conditions Tender apply equally to the extended deadline.

F.2.16 Tender Offer validity

- F.2.16.1 Hold the Tender Offer(s) valid for acceptance by the Employer at any time during the validity period stated in the Tender Data after the closing time stated in the Tender Data.
- F.2.16.2 If requested by the employer, consider extending the validity period stated in the tender data for an agreed additional period with or without any conditions attached to such extension.

- F.2.16.3 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.
- F.2.16.4 Where a tender submission is to be substituted, submit a substitute tender in accordance with the requirements of F.2.13 with the packages clearly marked as "SUBSTITUTE".
- F.2.17 Clarification of Tender Offer after submission**
- Provide clarification of a Tender Offer in response to a request to do so from the Employer during the evaluation of Tender Offers. This may include providing a breakdown of rates or prices and correction of arithmetical errors by the adjustment of certain rates or item prices (or both). No change in the competitive position of tenderers or substance of the tender offer is sought, offered, or permitted.
- Note: Sub-clause F .2.17 does not preclude the negotiation of the final terms of the contract with a preferred tenderer following a competitive selection process, should the Employer elect to do so.
- F.2.18 Provide other material**
- F.2.18.1 Provide, on request by the Employer, any other material that has a bearing on the Tender Offer, the Tenderer's commercial position (including notarised joint venture agreements), preferencing arrangements, or samples of materials, considered necessary by the Employer for the purpose of a full and fair risk assessment. Should the Tenderer not provide the material, or a satisfactory reason as to why it cannot be provided, by the time for submission stated in the Employer's request, the Employer may regard the Tender Offer as being non-responsive.
- F.2.18.2 Dispose of samples of materials provided for evaluation by the Employer, where required.
- F.2.18.3 The tenderer shall, when requested by the Employer to do so, submit the names of all management and supervisory staff that will be employed to supervise the labour- intensive portion of the works together with satisfactory evidence that such staff members satisfy the eligibility criteria.
- F.2.19 Inspections, tests and analyses**
- Provide access during working hours to premises for inspections, tests and analyses as provided for the in the Tender Data.
- F.2.20 Submit securities, bonds, policies, etc.**
- If requested, submit for the Employer's acceptance before formation of the contract, all securities, bonds, guarantees, policies and certificates of insurance required in terms of the Conditions of Contract identified in the Contract Data.
- F.2.21 Check final draft**
- Check the final draft of the contract provided by the Employer within the time available for the Employer to issue the contract.
- F.2.22 Return of other tender documents**
- If so, instructed by the Employer, return all retained tender documents within 28 days after the expiry of the validity period stated in the Tender Data.
- F.2.23 Certificates**
- Include in the tender submission or provide the Employer with any certificates as stated in the Tender Data.

F.3 EMPLOYER'S UNDERTAKINGS

F.3.1 Respond to requests from the tenderer

F.3.1.1 Unless otherwise stated in the tender Data, respond to a request for clarification received up to five working days before the tender closing time stated in the Tender Data and notify all tenderers who drew procurement documents.

F.3.1.2 Consider any request to make a material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used to prequalify a tenderer to submit a tender offer in terms of a previous procurement process and deny any such request if as a consequence:

- a) an individual firm, or a joint venture as a whole, or any individual member of the joint venture fails to meet any of the collective or individual qualifying requirements;
- b) the new partners to a joint venture were not prequalified in the first instance, either as individual firms or as another joint venture; or
- c) in the opinion of the Employer, acceptance of the material change would compromise the outcome of the prequalification process.

F.3.2 Issue addenda

If necessary, issue addenda that may amend or amplify the tender documents to each tenderer during the period from the date that tender documents are available until three days before the tender closing time stated in the Tender Data. If, as a result a tenderer applies for an extension to the closing time stated in the Tender Data, the Employer may grant such extension and, shall then notify all tenderers who drew documents.

F.3.3 Return late Tender Offers

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

F.3.4 Opening of tender submissions

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

F.3.4.2 Announce at the meeting held immediately after the opening of tender submissions, at a venue indicated in the tender data, the name of each tenderer whose tender offer is opened and, where applicable, the total of his prices, preferences claimed and time for completion for the main tender offer only.

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

F.3.5 Two-envelope system

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

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

F.3.6 Non-disclosure

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

F.3.7 Grounds for rejection and disqualification

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

F.3.8 Test for responsiveness

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

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

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

- (a) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the scope of work;
- (b) significantly change the Employer's or the Tenderer's risks and responsibilities under the contract, or
- (c) affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified.

Reject a non-responsive Tender Offer, and do not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.

F.3.9 Arithmetical errors, omissions and discrepancies

F.3.9.1 Check responsive tenders for discrepancies between amounts in words and amounts in figures. Where there is a discrepancy between the amounts in figures and the amount in words, the amount in words shall govern.

F.3.9.2 Check the highest ranked tender or tenderer with the highest number of tender evaluation points after the evaluation of tender offers in accordance with F.3.11 for:

- a) the gross misplacement of the decimal point in any unit rate;
- b) omissions made in completing the pricing schedule or bills of quantities; or
- c) arithmetic errors in:
 - i) line-item totals resulting from the product of a unit rate and a quantity in bills of quantities or schedules of prices; or
 - ii) the summation of the prices.

F.3.9.3 Notify the tenderer of all errors or omissions that are identified in the tender offer and either confirm the tender offer as tendered or accept the corrected total of prices.

F.3.9.4 Where the tenderer elects to confirm the tender offer as tendered, correct the errors as follows:

- a) If bills of quantities or pricing schedules apply and there is an error in the line-item total resulting from the product of the unit rate and the quantity, the line-item total shall govern and the rate shall be corrected. Where there is an obviously gross misplacement of the decimal point in the unit rate, the line-item total as quoted shall govern, and the unit rate shall be corrected.
- b) Where there is an error in the total of the prices either as a result of other corrections required by this checking process or in the tenderer's addition of prices, the total of the prices shall govern and the tenderer will be asked to revise selected item prices (and their rates if bills of quantities apply) to achieve the tendered total of the prices.

F.3.10 Clarification of a Tender Offer

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

F.3.11 Evaluation of Tender Offers

F.3.11.1 General

Appoint an evaluation panel of not less than three persons. Reduce each responsive tender offer to a comparative offer and evaluate them using the tender evaluation methods and associated evaluation criteria and weightings that are specified in the tender data.

F.3.11.2 Method 1: In the case of a Financial Offer:

- (a) Rank Tender Offers from the most favourable to the least favourable comparative offer.
- (b) Recommend the highest ranked tenderer for the award of the contract, unless there are compelling and justifiable reasons not to do so.
- (c) Re-rank all tenderers should there be compelling and justifiable reasons not to recommend the highest ranked tenderer and recommend the highest ranked tenderer, unless there are compelling and justifiable reasons not to do so and the process set out in this sub clause is repeated.

F.3.11.3 Method 2: In the case of a Financial Offer and Preferences:

In the case of a financial offer and preferences:

- a) Score each tender in respect of the financial offer made and preferences claimed, if any, in accordance with the provisions of F.3.11.7 and F.3.11.8.
- b) Calculate the total number of tender evaluation points (TEV) in accordance with the following formula:

$$TEV = NFO + NP$$

where: *NFO* is the number of tender evaluation points awarded for the financial offer made in accordance with F.3.11.7;
NP is the number of tender evaluation points awarded for preferences claimed in accordance with F.3.11.8.

- c) Rank tender offers from the highest number of tender evaluation points to the lowest.
- d) Recommend the tenderer with the highest number of tender evaluation points for the award of the contract, unless there are compelling and justifiable reasons not to do so.
- e) Rescore and re-rank all tenderers should there be compelling and justifiable reasons not to recommend the tenderer with the highest number of tender evaluation points, and recommend the tenderer with the highest number of tender evaluation points, unless there are compelling and justifiable reasons not to do so and the process set out in this sub clause is repeated

F.3.11.4 Method 3: In the case of a Financial Offer and Quality:

In the case of a financial offer and quality:

- a) Score each tender in respect of the financial offer made and the quality offered in accordance with the provisions of F.3.11.7 and F.3.11.9, rejecting all tender offers that fail to score the minimum number of points for quality stated in the tender data, if any.
- b) Calculate the total number of tender evaluation points (TEV) in accordance with the following formula:

$$TEV = NFO + NQ$$

where: *NFO* is the number of tender evaluation points awarded for the financial offer made in accordance with F.3.11.8;
NQ is the number of tender evaluation points awarded for quality offered in accordance with F.3.11.9.

- c) Rank tender offers from the highest number of tender evaluation points to the lowest.
- d) Recommend tenderer with the highest number of tender evaluation points for the award of the contract, unless there are compelling and justifiable reasons not to do so.
- e) Rescore and re-rank all tenderers should there be compelling and justifiable reasons not to recommend the tenderer with the highest number of tender evaluation points and recommend the tenderer with the highest number of tender evaluation points, unless there are compelling and justifiable reasons not to do so and the process set out in this sub clause is repeated.

F.3.11.5 Method 4: In the case of a Financial Offer, Quality and Preferences:

In the case of a financial offer, quality and preferences:

- a) Score each tender in respect of the financial offer made, preference claimed, if any, and the quality offered in accordance with the provisions of F.3.11.7 to F.3.11.9, rejecting all tender offers that fail to score the minimum number of points for quality stated in the tender data, if any.
- b) Calculate the total number of tender evaluation points (TEV) in accordance with the following formula, unless otherwise stated in the Tender Data

$$TEV = NFO + NP + NQ$$

where: *NFO* is the number of tender evaluation points awarded for the financial offer made in accordance with F.3.11.7;
NP is the number of tender evaluation points awarded for preferences claimed in accordance with F.3.11.B.
NQ is the number of tender evaluation points awarded for quality offered in accordance with F.3.11.9.

- c) Rank tender offers from the highest number of tender evaluation points to the lowest.
- d) Recommend the tenderer with the highest number of tender evaluation points for the award of the contract, unless there are compelling and justifiable reasons not to do so.
- e) Rescore and re-rank all tenderers should there be compelling and justifiable reasons not to recommend the tenderer with the highest number of tender evaluation points and recommend the tenderer with the highest number of tender evaluation points, unless there are compelling and justifiable reasons not to do so and the process set out in this sub clause is repeated.

F.3.11.6 Score financial offers, preferences and quality, as relevant, to two decimal places.

F.3.11.7 Scoring Financial Offers

Score the financial offers of the remaining responsive tender offers using the following formula:

$$NFO = W_1 \times A$$

Where *NFO* is the number of tender evaluation points awarded for the financial offer;
W₁ is the maximum possible number of tender evaluation points awarded for the financial offer as stated in the Tender Data;
A is the number calculated using the formula and option described in table F 1 as stated in the tender data.

TABLE F.1 – FORMULAE FOR THE VALUE OF A

FORMULA	BASIS FOR COMPARISON	VALUE OF "A"	
		Option 1	Option 2
1	Highest price or discount	$A = [1+(P-P_m) / P_m]$	P/P_m
2	Lowest price or percentage commission / fee	$A = [1-(P-P_m) / P_m]$	P_m/P

Where:

P_m = is the comparative offer which is the most favourable

P = is the comparative offer of the tender under consideration

F.3.11.8 Points awarded for Specific Goals

SPECIFIC GOALS FOR THE TENDER AND POINTS CLAIMED ARE INDICATED PER THE TABLE BELOW.

The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)
Race: *100% Black owned enterprise – 10 points *51% Black & 49% Other – 6 points *50% Black & 50% other – 4 points * Other – 2 Points	10	
Gender: *Women – 2 points	02	
Youth (18 – 35years) – 2 points	02	
Disabled - 1 points (medical document proof provided)	01	
Geographical Location (Enterprises located in: - *Provincial – 5 *National – 3	05	

F.3.11.9 Scoring Quality (functionality)

Score each of the criteria and sub criteria for quality in accordance with the provisions of the Tender Data.

Calculate the total number of tender evaluation points for quality using the following formula:

$$NQ = W_2 \times S_0 / M_S$$

where: S_0 is the score for quality allocated to the submission under consideration; M_S is the maximum possible score for quality in respect of a submission; and W_2 is the maximum possible number of tender evaluation points awarded for the quality as stated in the tender data

F.3.12 Insurance provided by the Employer

If requested by the proposed successful Tenderer, submit for the Tenderers information the policies or certificates of insurance (or both) which the Conditions of Contract identified in the Contract Data require the Employer to provide.

F.3.13 Acceptance of Tender Offer

Accept the tender offer, if in the opinion of the employer, it does not present any unacceptable commercial risk and only if the tenderer:

- a) is not under restrictions, or has principals who are under restrictions, preventing participating in the

-
- b) employer's procurement, can, as necessary and in relation to the proposed contract, demonstrate that he or she possesses the professional and technical qualifications, professional and technical competence, financial resources, equipment and other physical facilities, managerial capability, reliability, experience and reputation, expertise and the personnel, to perform the contract,
 - c) has the legal capacity to enter into the contract,
 - d) is not insolvent, in receivership, bankrupt or being wound up, has his affairs administered by a court or a judicial officer, has suspended his business activities, or is subject to legal proceedings in respect of any of the foregoing,
 - e) complies with the legal requirements, if any, stated in the tender data, and
 - f) is able, in the opinion of the employer, to perform the contract free of conflicts of interest.

F.3.14 Prepare contract documents

F.3.14.1 If necessary, revise documents that shall form part of the contract and that were issued by the Employer as part of the tender documents to take account of:

- (a) addendum issued during the tender period;
- (b) inclusion of some of the returnable documents;
- (c) other revisions agreed between the Employer and the successful Tenderer,

F.3.14.2 Complete the schedule of deviations attached to the form of offer and acceptance, if any.

F.3.15 Complete adjudicator's contract

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

F.3.16 Notice to unsuccessful tenderers

F.3.16.1 Notify the successful tenderer of the employer's acceptance of his tender offer by completing and returning one copy of the form of offer and acceptance before the expiry of the validity period stated in the tender data, or agreed additional period. Providing the form of offer and acceptance does not contain any qualifying statements, it will constitute the formation of a contract between the employer and the successful tenderer as described in the form of offer and acceptance.

F.3.16.2 After the successful tenderer has been notified of the employer's acceptance of the tender, notify other tenderers that their tender offers have not been accepted.

F.3.17 Provide copies of the contracts

Provide to the successful tenderer the number of copies stated in the Tender Data of the signed copy of the contract as soon as possible after completion and signing of the form of offer and acceptance.

F.3.18 Provide written reasons for actions taken

Provide upon request written reasons to tenderers for any action that is taken in applying these conditions of tender, but withhold information which is not in the public interest to be divulged, which is considered to prejudice the legitimate commercial interests of tenderers or might prejudice fair competition between tenderers.

T1.2.2: TENDER DATA: APPLICABLE TO THIS TENDER

The Conditions of Tender applicable to this contract are the Standard Conditions of Tender as contained in Annex F of the May 2010 edition of the CIDB Standard for Uniformity in Construction Procurement (see www.cidb.org.za)

The Standard Conditions of Tender refer to the Tender Data for details that apply specifically to this Tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the Standard Conditions of Tender. Each item of data given below is cross-referenced to the Clause in the Standard Conditions of Tender to which it mainly applies.

Clause	Wording (Data)
F.1.1	The employer is the Okhahlamba Local Municipality.
F.1.2	The tender documents issued by the employer comprise: PART T1: TENDERING PROCEDURES T1.1: Tender Notice and Invitation to Tender T1.2: Tender Data PART T2: RETURNABLE DOCUMENTS T2.1: List of Returnable Documents T2.2: Returnable Schedules PART C1: AGREEMENTS AND CONTRACT DATA C1.1: Form of Offer and Acceptance C1.2: Contract Data C1.3: Form of Guarantee C1.4: Adjudicator's Agreement (if applicable) PART C2: PRICING DATA C2.1: Pricing Instructions C2.2: Bills of Quantities PART C3: SCOPE OF WORKS C3 Scope of Work C3.1 Description of the Works C3.2 Engineering C3.3 Procurement C3.4 Construction C3.5 Management C3.6 Project Specifications C3.7 Particular Specifications PART C4: SITE INFORMATION ANNEXURES

Clause	Wording (Data)
F.1.4	The Employer's agent is:
	<p>Name: Black Dinesty (Pty) Ltd</p> <p>Address: 43 Klipbank Drive, Ladysmith 3370</p> <p>Tel No: 079 729 4216</p> <p>E-Mail: vuki@blackdinesty.com</p>
F.2.1	<p>Only those tenderers who satisfy the following eligibility criteria are eligible to submit tenders:</p> <ul style="list-style-type: none"> a) Availability of resources. b) Availability of skills to manage and perform the contract – including staff that satisfies EPWP requirements (if applicable). c) Previous experience on contracts of a similar value and nature. d) Financial standing and capability.
F.2.1	<p>Only those tenderers who are registered with the CIDB, or are capable of being so prior to the evaluation of submissions, in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a 4CE or higher class of construction work, are eligible to submit tenders.</p> <p>Joint ventures are eligible to submit tenders provided that:</p> <ul style="list-style-type: none"> 1. every member of the joint venture is registered with the CIDB; 2. the lead partner has a contractor grading designation in the 4CE or higher class of construction work; and 3. the combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a 4CE or higher class of construction works.
F.2.1	<p>The following tenderers who are registered with the CIDB, or are capable of being so registered prior to the evaluation of submissions, are eligible to submit tenders:</p> <ul style="list-style-type: none"> a) contractors who have a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a 4CE or higher Class of construction work, and b) contractors registered as potentially emerging contractors with the CIDB who are registered in one contractor grading designation lower than that required in terms of (1) above and who satisfy the following criteria: <p>Joint ventures are eligible to submit tenders provided that:</p> <ul style="list-style-type: none"> 1. every member of the joint venture is registered with the CIDB; 2. the lead partner has a contractor grading designation in the 4CE or higher class of construction work; and 3. The combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for 4CE or higher class of construction work, are eligible to submit tenders.

Clause	Wording (Data)
F.2.7	The arrangements for a compulsory clarification meeting are:
	Attend the compulsory site visit and clarification meeting at which Bidders may familiarize themselves with aspects of the proposed work, services or supply, and raise questions. Details of the meeting are stated in the Bid Data.
F.2.12	<p>If, a tenderer wishes to submit an alternative offer, the only criteria permitted for such alternative tender offer is that it demonstrably satisfies the Employer's standards and requirements, the details of which may be obtained from the Employer's Agent.</p> <p>Calculations, drawings and all other pertinent technical information and characteristics, as well as modified or proposed Pricing Data must be submitted with the alternative tender offer to enable the Employer to evaluate the efficacy of the alternative and its principal elements, to take a view on the degree to which the alternative complies with the Employer's standards and requirements and to evaluate the acceptability of the pricing proposals. Calculations must be set out in a clear and logical sequence and must clearly reflect all design assumptions. Pricing Data must reflect all assumptions in the development of the pricing proposal.</p> <p>Acceptance of an alternative tender offer will mean acceptance in principle of the offer. It will be an obligation of the contract for the tenderer, in the event that the alternative is accepted, to accept full responsibility and liability that the alternative offer complies in all respects with the Employer's standards and requirements.</p> <p>The modified Pricing Data must include an amount equal to 5% of the amount tendered for the alternative offer to cover the Employer's costs of confirming the acceptability of the detailed design before it is constructed.</p>
F.2.13.3	Parts of each tender offer communicated on paper shall be submitted as an original, plus 0 (nil) copies.
F.2.13.5 F.2.15.1	<p>The Employer's address for delivery of tender offers and identification details to be shown on each tender offer package are:</p> <p>Location of tender box: OKHAHLAMBA LOCAL MUNICIPALITY</p> <p>Identification details: MUNICIPAL MANAGER, OKHAHLAMBA LOCAL MUNICIPALITY: CONSTRUCTION OF VERIAKOP BRIDGE IN WARD 9 LOCATED AT ZWELISHA CLOSING DATE: THURSDAY, 03 JULY 2025 at 12h00</p> <p>Postal address: OKHAHLAMBA LOCAL MUNICIPALITY 259, KINGSWAY STREET, BERGVILLE, 3350, KZN, ZA</p>
F.2.13	A two-envelope procedure will not be followed.
F.2.15	The closing time for submission of tender offers is 12h00 hours on Thursday, 03 July 2025.
+	Telephonic, telegraphic, telex, facsimile or e-mailed tender offers will not be accepted.
F.2.16	The tender offer validity period is ninety (120) days.
F2.18	The tender shall, when requested by the Employer to do so, submit the names of all management and supervisory staff that will be employed to supervise the labour-intensive portion of the works together with satisfactory evidence that such staff members satisfy the eligibility requirements
F.2.23	<p>The tenderer is required to submit the following certificates with his tender:</p> <ol style="list-style-type: none"> 1) either a Certificate of Contractor Registration issued by the Construction Industry Development Board <i>OR</i> a copy of the Application Form for registration in terms of the Construction Industry Development Board Act (Form F006) <u>and</u> an original valid Tax Clearance Certificate issued by the South African Revenue Services. 2) a certificate certifying that the enterprise has no undisputed commitments to a municipality or other service provider in respect of which payment is overdue by more than 30 days (if greater than R10 million incl. VAT);

Clause	Wording (Data)				
	3) particulars of any contracts awarded by an organ of state during the last five years including particulars of any material non-compliance or dispute concerning their execution over this period (if >R10 000 incl. VAT); and				
	4) a statement indicating whether any portion of the goods or services are expected to be sourced from outside the Republic, and, if so, what portion and whether any portion or payment from the municipality or municipal entity is expected to be transferred out of the Republic (if greater than R10 million incl. VAT).				
F3.4	The time and location for opening of the tender offers are in accordance with F.2.15 & F2.13.5				
F.3.11	<p>The procedure for the evaluation of responsive tenders is Method 2.</p> <p>a) Scoring financial offer:</p> <p>The financial offer will be scored using Formula 2 (Option 2) where the value of W1 is:</p> <ol style="list-style-type: none"> 1) 90 where the financial value inclusive of VAT of all responsive tenders received have a value in excess of R50 000 000 (R50 million); or 2) 80 where the financial value inclusive of VAT of one or more responsive tender offers equals or is above R30 000 and up to R50 000 000. <p>b) Scoring Preferences</p> <p>Up to 100 minus W1 tender evaluation points will be awarded to tenderers in respect of:</p> <ol style="list-style-type: none"> 1) the Specific Goals <p>Preference points will be allocated as follows:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 70%;"><u>Price</u></td> <td style="text-align: right;">W1 = 80</td> </tr> <tr> <td><u>Specific Goals:</u></td> <td style="text-align: right;">20 (max)</td> </tr> </table>	<u>Price</u>	W1 = 80	<u>Specific Goals:</u>	20 (max)
<u>Price</u>	W1 = 80				
<u>Specific Goals:</u>	20 (max)				
	Tenderers are advised to study: <i>OKHAHLAMBA LOCAL MUNICIPALITY – SUPPLY CHAIN MANAGEMENT PROCUREMENT POLICY</i> when completing Schedule 1K and claiming points.				
F.3.13.1	<p>Tender offers will only be accepted on condition that:</p> <ol style="list-style-type: none"> a) the tenderer has in <u>his or her possession</u> an original Tax Clearance Certificate issued by the South African Revenue Services; b) the tenderer is registered with the Construction Industry Development Board in an appropriate contractor grading designation; 				
	c) the tenderer or any of its directors is not listed in the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector; and				
	<p>d) the tenderer has not:</p> <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 has been given a written notice to this effect; and <p>e) has completed the Compulsory Enterprise Questionnaire and there are no conflicts of interest which may impact on the tenderer's ability to perform the contract in the best interests of the employer or potentially comprise the tender process.</p>				
F.3.18	The number of paper copies of the signed contract to be provided by the Employer is ONE (1).				

T1.2 3: TENDER DATA: SPECIAL CONDITIONS OF TENDER

1. FUNCTIONALITY CRITERIA

The Functionality Scorecard is as per the Table below.

DESCRIPTION	VERIFICATION METHOD	MAXIMUM POTENTIAL SCORE	POINTS CLAIMED	BID EVALUATION COMMITTEE SCORES
Proof of experience of the company in Bridge projects of similar scope and value in the past 5 years (7.5 points per project to a maximum of 30 points) (Completion Certificates and Name of traceable references with contact details to be included for verification)	Appointment letters and Completion Certificates	30		
Qualifications and Professional Registration of Contracts Manager with more than 5 years' experience (Degree = 10 points, B-Tech = 7.5 points, National Diploma = 2.5 Points, No submission = 0 points (Less than 5 years' experience = 0 points) (*Professional Registration = ECSA; SACPCMP)	Certified Copy of Qualification, Professional Registration and Curriculum Vitae to be attached	10		
Qualifications and Professional/ Candidate Registration of Site Agent with more than 5 years' experience (Degree = 10 points, B-Tech = 7.5 points, National Diploma = 2.5 Points, No submission = 0 points (Less than 5 years' experience = 0 points) (*Professional Registration = ECSA; SACPCMP)	Certified Copy of Qualification, Professional/ Candidate Registration and Curriculum Vitae to be attached	10		
Proof of plant ownership/ plant lease agreement (2.5 points per plant; Track Excavator, Backhoe TLB, Pedestrian Vibratory Roller, Tipper Trucks, Water Cart, Grader)	Copies of Plant Ownership documents to be attached	20		
Approach paper/ Construction Method Statement (maximum 5 pages) The method statement must include the following sub- headings: Approach Method, Time Frames, Activities (in construction sequence), Construction Administration, Quality Management, Health and Safety. Good = 20 points, Average = 10 points, Poor = 5 points No submission= 0 points	Brief (5 Pages Maximum) and programme	20		
Note: Tenderers are required to attach audited 3-year Financial Statements from a Registered Financial Institution. The evaluation of the tenderer's Audited Financial Statement will be done as follows, based on the information provided in Schedule 2B and BC. <ul style="list-style-type: none"> 3 years Audited Financial Statement that are prepared by Professional Accountant 	Audited Financial Statement	10		
<ul style="list-style-type: none"> 2 years Audited Financial Statement that are prepared by Professional Accountant 		5		

<ul style="list-style-type: none"> 1 years Audited Financial Statement that are prepared by Professional Accountant 		3		
<ul style="list-style-type: none"> No Submission 		0		
TOTAL		100		

NOTE:

- i) BIDDERS ARE REQUIRED TO PROVIDE PROOF FOR EACH OF THE ABOVE NAMELY COMPANY REGISTRATION, QUALIFICATIONS DOCUMENTS, APPOINTMENT LETTERS, COMPLETION CERTIFICATES AND REFERENCE LETTERS FOR PREVIOUSLY COMPLETED PROJECTS. FAILURE TO DO SO WILL RENDER THE BID INVALID.
- ii) PROVIDE PROOF FOR ALL OF THE ABOVE, INCLUDING CONTACT DETAILS, NAMES OF COMPANIES AND CONTACT DETAILS WHERE REFERENCE CHECKS CAN BE UNDERTAKEN.
- iii) FAILURE TO COMPLETE THE FUNCTIONALITY SCORE CARD WILL DISQUALIFY YOUR PROPOSAL AND BIDDERS NEED TO SCORE A MINIMUM OF 70 POINTS OUT OF 100 TO BE ELIGIBLE

SPECIAL CONDITIONS

2. DURATION OF CONTRACT

The project must be completed within four (4) months from contract start date.

3. PAYMENTS

All payments will be made to the Service Provider within thirty (30) days of verification of an invoice. All invoices should be submitted by the 10th of each month. No payments will be made to the contractor if he/she does not adhere to the EPWP requirements.

4. SERVICE LEVEL AGREEMENT

- 4.1 A service level agreement will be entered into with the successful bidder.
- 4.2 Negotiations in respect of the service level agreement must be finalized within fourteen (14) calendar days of receipt of the letter of acceptance by the successful bidder."
- 4.3 Service level agreement entered into with the successful bidder will capture the time frames for performance applying to this contract.
- 4.4 Should no consensus be reached within fourteen (14) calendar days of finalizing the Service Level Agreement (SLA), the Municipality will be entitled to:
 - i) Cancel its acceptance of the bid, or
 - ii) Extend the negotiation period without prejudice to any of its other rights in terms of this contract or common law.

5. PENALTIES

Penalties will be levied at R 2500.00 per day in the event of non-compliance.

6. PRICE

This Tender shall be a **Re-measurement Contract**. Contract price adjustment is not be applicable to this Tender.

7. BID VALIDITY

This bid shall not be withdrawn during a period of Ninety (120) days from the date on which it is to be lodged and it may be accepted at any time during that period.

8. BID COMPLIANCE

The Bid must comply with the following:

The VAT component of the price must be indicated separately. This bid or part thereof may not be ceded. The bid documents submitted must be in the form and order as issued by the Municipality in order to assist the Municipality with the evaluation of same

9. MEETINGS

Progress meetings will be held once a month as agreed with the Engineer and Technical Meetings will be on an ongoing basis as and when is deemed necessary by the Engineer.

10. PROGRAMME/PERFORMANCE

The Service provider will be required to submit a program of confirmed activities to be undertaken in the project that will form an Annexure to the Service Level Agreement within 14 days from the commencement date.

The Service Provider will also be required to submit monthly progress reports.

11. RETURNABLE DOCUMENTS

The issued documents must be returned in the form and order in which they were issued to assist the Municipality to expedite adjudication of the bids. The Okhahlamba Local Municipality reserves the right to disqualify a bid in the event that the bidder does not fully comply with this provision.

12. MANDATORY OBJECTION PERIOD

All administrative actions and decisions taken by the Okhahlamba Local Municipality through its officials may become subject to an objections and appeals process. As such, in terms of Section 62 of the Municipal Systems Act 32 of 2000, a period of Fourteen (14) days will be set aside to allow for the submission of appeals against the award/process of making the award to a particular bidder by any interested party. Except in scenarios where the decision of a duly appointed panel sets aside the appointment of the successful bidder as service provider of this contract, the appointment will then be confirmed by the Okhahlamba Local Municipality in writing.

13. PERFORMANCE SECURITY

A fixed amount of 10% in respect of Performance Security is applicable in respect of each bid and must apply for the duration of the contract.

The Performance Security shall be secured within fourteen (14) calendar days of award of the bid and shall apply from the date of award of the bid.

The Performance Security submitted has to be approved by the Okhahlamba Local Municipality.

14. OTHER MATTERS

Bidders must also submit three year audited financial statements of the company.

Bidders must certify that he/she has no outstanding debts due to the Municipality where the bidder originates and any other Municipality or any service provider.

Only locally produced or manufactured good, meeting the stipulated minimum threshold for local production and content will be considered in line with regulations 8(2) of the Preferential Procurement Regulations and National Treasury Circular 69.

The exchange rate to be used for the calculation of local production and content must be the exchange rate published by the South African Reserve Bank (SARS) at 12:00 on the date of advertisement of the bid; and Only the South African Bureau of Standards (SABS) approval technical specification number SATS 12863:2011 must be used to calculate local content.

SUB-CONTRACTING:

Each tender rate shall be in full compensation for the management and execution of the Targeted Enterprise procurement process in the relevant CIDB contractor grading. This will include for the following;

- Compilation of the tender document,
- printing, binding and issue of the tender documents for each tender,
- advertising of each tender,
- provision of the venue and the conducting of each compulsory briefing session for each tenderer,
- conducting of each tender opening process,
- adjudication of the tender received for each tender,
- preparation of each tender adjudication report and the review,
- award of each tender and
- conclusion of the subcontract agreement with each successful Targeted Enterprise tenderer.

Sub-Contracting as Condition of Tender:

- (1) If feasible to subcontract for a contract above R30 million, an organ of state must apply subcontracting to advance designated groups.
- (2) If an organ state applies subcontracting as contemplated in sub-regulation (1), the organ of state must advertise the tender with a specific tendering condition that the successful tenderer must subcontract of 30% of the value of the contract to:
 - (a) An EME OR QSE.
 - (b) An EME or QSE which is at least 51% owned by black people.
 - (c) An EME or QSE which is at least 51% owned by black people who are youth.
 - (d) An EME or QSE which is at least 51% owned by black people who are women.
 - (e) An EME or QSE which is at least 51% owned by black people with disabilities.
 - (f) An EME or QSE which is at least 51% owned by black people living in rural or underdeveloped areas or townships.
 - (g) A cooperative which is at least 51% owned by black people.
 - (h) An EME or QSE which is at least 51% owned by black people who are military veterans.
 - (i) More than one of the categories referred to in paragraph (a) or (h).
- (3) The organ of state must make available the list of all suppliers registered on a database approved by Nation Treasury to provide the required goods or services in respect of the applicable designated groups mentioned in sub-regulation (2) from which the tenderer must select a supplier.

Sub-Contractors must be registered under CIDB (from grade 1CE) and must be compliant with SARS and CSD. Contractors should also be registered under Okhahlamba Local Municipality database.

PART T2: RETURNABLE DOCUMENTS

TABLE OF CONTENTS		Page Colour
T2.1	List of Returnable Documents	(Yellow)
T2.2	Returnable Schedules	(Yellow)

T2.1: LIST OF RETURNABLE DOCUMENTS

The following documents are to be completed and returned as they constitute the tender. Whilst many of the returnables are required for the purpose of evaluating the tenders, some will form part of the subsequent contract, as they form the basis of the tender offer. For this reason, it is very important that tenderers return **all information requested**.

1. RETURNABLE DOCUMENTS AND SCHEDULES THAT WILL BE INCORPORATED INTO THE CONTRACT
The Tenderer shall complete and submit the following returnable schedules and documents.

Schedule: 1A	Certificate of Attendance at Bid Site Meeting
Schedule: 1B	Compulsory Enterprise Questionnaire
Schedule: 1C	Authority of Signatory
Schedule: 1D	Certificate of Authority for Joint Ventures (if applicable)
Schedule: 1E	Registration Certificate/JV Agreement and Power of Attorney/ ID Document
Schedule: 1F	Record of Addenda to Tender Documents
Schedule: 1G	Curriculum Vitae And Qualifications for Key Personnel
Schedule: 1H	Personnel Schedule
Schedule: 1I	Schedule of Work Carried out by the Tenderer
Schedule: 1J	Schedule of Plant and Equipment available for the Contract
Schedule: 1K	Schedule of Proposed Subcontractors
Schedule: 1L	Certificate of Attendance at Clarification Meeting
Schedule: 1M	Proposed Amendments and Qualifications
Schedule: 1N	Methodology and Project Plan
Schedule: 1O	Preliminary Programme
Schedule: 1P	Central Supplier Database (CSD) Report
Schedule: 1Q	Tax Compliance Status Letter Requirements
Schedule: 1R	BBBEE Certificate

2. COMPULSORY RETURNABLE DOCUMENTS REQUIRED FOR TENDER EVALUATION PURPOSES

Schedule: 2A	Certificate of Contractor Registration issued by the CIDB
Schedule: 2B	Tenderer's Financial Standing
Schedule: 2C	Audited Financials for The Past Three Years
Schedule: 2D	Municipal Utility Account/Lease Agreement

3. RETURNABLE SCHEDULES THAT WILL BE INCORPORATED INTO THE CONTRACT (to be attached with submission)

- Schedule: 3A Workmen's Compensation Certificate
- Schedule: 3B Unemployment Insurance Fund (UIF) Certificate
- Schedule: 3C Form of Intent to Provide a Performance Guarantee
- Schedule: 3D Contractor's Health and Safety Declaration
- Schedule: 3E Contractor's Health and Safety Plan

**4. OTHER SCHEDULES AND AFFIDAVITS THAT WILL BE INCORPORATED INTO THE CONTRACT
(included hereafter for completion)**

- C1.1: The Form of Offer and Acceptance
- C1.2: Contract Data (Part 2)
- C1.3 Occupational Health and Safety Agreement
- C2.2: Bills of Quantities

SCHEDULE 1A: COMPULSORY ENTERPRISE QUESTIONNAIRE

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

Section 1: Name of enterprise:

Section 2: VAT registration number, if any:

Section 3: CIDB registration number, if any:

Section 4: Particulars of sole proprietors and partners in partnerships

Name	Identity number	Personal income tax number

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

Section 5: Particulars of companies and close corporations

Company registration number

Close corporation number

Tax reference number

Section 6: Record of service of the state

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

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

If any of the above boxes are marked, disclose the following: (insert separate page if necessary)

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

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

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

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

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

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

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

Signed _____ Date _____
 Name _____ Position _____
 Enterprise name _____

* The schedule should be used where tenders are subject to the local Government: Municipal Finance Management Act

SCHEDULE 1B: AUTHORITY OF SIGNATORY

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

A Company	B Partnership	C Joint Venture	D Sole Proprietor	E Close Corporation

A. Certificate for Company

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

As witnesses:

1. Chairman :
2. Date :

Tenderers must attach a copy of the Resolution of the Board - refer Schedule 2B.

B. Certificate for Partnership

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

NAME	ADDRESS	SIGNATURE	DATE

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

C. Certificate for Joint Venture

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

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

NAME OF FIRM	ADDRESS	AUTHORISING SIGNATURE, NAME & CAPACITY
Lead partner		

D. Certificate for Sole Proprietor

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

As witnesses:

1. Signature :
2. Date :

E. Certificate for Close Corporation

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

NAME	ADDRESS	SIGNATURE	DATE

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

SCHEDULE 1C: CERTIFICATE OF AUTHORITY FOR JOINT VENTURES (if applicable)

This returnable schedule is to be completed by joint ventures.

We, the undersigned, are submitting this tender offer in joint venture and hereby authorize Mr/Ms

....., authorised signatory of the company, close corporation or partnership

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

NAME OF FIRM	ADDRESS	DULY AUTHORISED SIGNATORY
Lead partner		Signature Name Designation
		Signature Name Designation
		Signature Name Designation

NOTE: A copy of the Joint Venture Agreement showing clearly the **percentage contribution of each partner** to the Joint Venture shall be appended to this schedule.

<p>SCHEDULE 1D: REGISTRATION CERTIFICATE / JV AGREEMENT AND POWER OF ATTORNEY / ID DOCUMENTS</p>

Registration Certificates for Companies, Close Corporations and Partnerships, or Agreements and Powers of Attorney for Joint Ventures, or ID documents for Sole Proprietors must be inserted here.

SCHEDULE 1E: 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.		

Attach additional pages if more space is required.

Signed Date

Name Position

Tenderer

SCHEDULE 1F: CURRICULUM VITAE AND QUALIFICATIONS FOR KEY PERSONNEL

Tenderer to attach CV and Certified Qualifications for all Key Personnel

SCHEDULE 1G: PERSONNEL SCHEDULE

Job Description	Non-Local	Local
Contract Manager		
Site Agent		
Quantity Surveyor		
Surveyors		
General Foreman		
Foremen		
Community Officers		
Clerks		
Operators		
Bricklayers		
Learner Bricklayers		
Steel fixers		
Watchmen		
Pipe Layers		
Labourers		
* Other		
* Other		
* Other		

* To be filled in by Tenderer

Signed Date

Name Position

Tenderer

SCHEDULE 1H: SCHEDULE OF WORK CARRIED OUT BY THE TENDERER

The following is a statement of work for similar scope and value successfully executed by myself/ourselves:

Employer, contact person and telephone number	Description of Contract	Value of Work Inclusive of VAT (Rand)	Date Completed

Note to tenderer: only information relating to similar scope and value projects are to be provided in the above table. Copies of appointment letters and completion certificates are to be attached to this returnable. Information in the table without appointment letters and completion certificates attached will **NOT** be considered.

Signed Date

Name Position

Tenderer

SCHEDULE 1I: SCHEDULE OF PLANT AND EQUIPMENT AVAILABLE FOR THE CONTRACT

The following are lists of major items of relevant equipment that I/we **presently** own or lease and will have available for this contract or will acquire or hire for this contract if my/our tender is accepted.

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

Quantity	Description, Size, Capacity, etc

Attach additional pages if more space is required.

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

Quantity	Description, Size, Capacity, etc

Attach additional pages if more space is required.

Signed Date

Name Position

Tenderer

SCHEDULE 1J: SCHEDULE OF PROPOSED SUBCONTRACTORS

We notify you that it is our intention to employ the following Subcontractors to work on this contract. If we are awarded the contract, we agree that this notification does not change the requirement for us to submit the names of proposed Subcontractors in accordance with requirements in the contract for such appointments. If there are no such requirements in the contract, then your written acceptance of this list shall be binding between us

No.	Name and Address of Propose Subcontractor	Nature and Extent of Work	Previous Experience with Subcontractor
1.			
2.			
3.			
4.			
5.			
6.			
7.			

Signed Date

Name Position

Tenderer

SCHEDULE 1K: CERTIFICATE OF ATTENDANCE AT CLARIFICATION MEETING

This is to certify that

..... (Tenderer)

of (address)

.....

was represented by the person(s) named below at the compulsory meeting held for all tenderers at

..... (Location) on (date), starting at

We acknowledge that the purpose of the meeting was to acquaint ourselves with the site of the works and / or matters incidental to doing the work specified in the tender documents in order for us to take account of everything necessary when compiling our rates and prices included in the tender.

Particulars of person(s) attending the meeting:

Name Signature

Capacity

Name Signature

Capacity

Attendance of the above persons at the meeting is confirmed by the Employer's representative, namely: Name

..... Signature

Capacity Date & Time

SCHEDULE 1L: PROPOSED AMENDMENTS AND QUALIFICATIONS

The Tenderer should record any deviations or qualifications he may wish to make to the tender documents in this Returnable Schedule. Alternatively, a tenderer may state such deviations and qualifications in a covering letter to his tender and reference such letter in this schedule.

The Tenderer's attention is drawn to clause F.3.8 of the Standard Conditions of Tender referenced in the Tender Data regarding the employer's handling of material deviations and qualifications.

Page	Clause or Item	Proposal

Signed Date

Name Position

Tenderer

SCHEDULE 1M: METHODOLOGY AND PROJECT PLAN
--

The Tenderer must attach the Construction Method Statement

SCHEDULE 1N: PRELIMINARY PROGRAMME

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

Note: The programme must be based on the completion time as specified in the Contract Data. No other completion time that may be indicated on this programme will be regarded as an alternative offer, unless it is listed in supported by a detailed statement to that effect, all as specified in the Tender Data.

SCHEDULE 10: CENTRAL SUPPLIER DATABASE (CSD) REPORT
--

The Tenderer must attach full CSD Report.

<p>SCHEDULE 1P: TAX COMPLIANCE STATUS LETTER REQUIREMENTS</p>
--

Tax Compliance Status (TCS) Letter and Tax Pin Number obtained from SARS to be inserted here.

SCHEDULE 1Q: BBBEE CERTIFICATE

Certified copy of BBBEE Certificate to be inserted here or **Certified** copy of BBBEE for Joint Venture in the case of Joint Ventures, failure to do so, tenderer will not qualify for preference points for BBBEE but will not be disqualified from the tendering process.

SCHEDULE 2A: CERTIFICATE OF CONTRACTOR REGISTRATION ISSUED BY THE CIDB

The Tenderer must attach to this page a copy of their CIDB Certificate.

SCHEDULE 2B: TENDERER'S FINANCIAL STANDING

In terms of Clause 9.2 of the Conditions of Tender the Employer may make inquiries to obtain a bank rating from the Tenderer's bank.

To that end the Tenderer must provide with his tender a bank rating, certified by his banker, to the effect that he will be able to successfully complete the contract at the tendered amount within the specified time for completion.

However, should the Tenderer be unable to provide a bank rating with his tender, he shall state the reasons as to why he is unable to do so, and in addition provide the following details of his banker and bank account that he intends to use for project:

Name of account holder:

Name of Bank: Branch:

Account number: Type of account:

Telephone number: Facsimile number:

Name of contact person (at bank):

Failure to provide either the required bank details or a certified bank rating with his tender, will lead to the conclusion that the Tenderer does not have the necessary financial resources at his disposal to complete the contract successfully within the specified time for completion.

The Employer undertakes to treat the information thus obtained as confidential, strictly for the use of evaluation of the tender submitted by the Tenderer.

SIGNATURE: DATE:
(of person authorised to sign on behalf of the Tenderer)

**SCHEDULE 2C AUDITED FINANCIALS FOR THE PAST THREE
YEARS**

The tenderer must attach audited financials for past three years.

SCHEDULE 2D: MUNICIPAL UTILITY ACCOUNT / LEASE AGREEMENT

The tenderer must attach to this page municipal rates (local and/or district) for 3 months which may not be in arrears OR attach their Lease Agreement.

SCHEDULE 3A: WORKMEN'S COMPENSATION CERTIFICATE

The Tenderer's Workmen's Compensation Certificate to be inserted here.

<p style="text-align: center;">SCHEDULE 3B: UNEMPLOYMENT INSURANCE FUND (UIF) CERTIFICATE</p>
--

The Tenderer's Unemployment Insurance Fund (UIF) Certificate to be inserted here.

<p style="text-align: center;">SCHEDULE 3C: FORM OF INTENT TO PROVIDE A PERFORMANCE GUARANTEE</p>
--

The Tenderer must attach hereto a letter from the bank or reputable institution with whom he has made the necessary arrangements, to the effect that the said bank or institution will be prepared to provide the required performance guarantee when asked to do so. Any letter of guarantee supplied by the contractor from an institution other than the bank shall be checked by the consultant and be subjected to approval by the client.

**SCHEDULE 3D: CONTRACTORS'S HEALTH AND SAFETY
 DECLARATION**

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

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

Declaration by Tenderer

1. I the undersigned hereby declare and confirm that I am fully conversant with the Occupational Health and Safety Act No 85 of 1993 (as amended by the Occupational Health and Safety Amendment Act No 181 of 1993), and the OHS Act 1993 Construction Regulations 2003.
2. I hereby declare that my company has the competence and the necessary resources to safely carry out the construction work under this contract in compliance with the Construction Regulations and the Employer's Health and Safety Specifications.
3. I propose to achieve compliance with the Regulations by one of the following:
 - (a) From my own competent resources *YES / NO
 - (b) From my own resources still to be appointed or trained until competency is achieved *YES / NO
 - (c) From outside resources by appointment of competent specialist subcontractors *YES / NO

(* = delete whatever is not applicable)
4. Details of resources I propose:

(Note: Competent resources shall include safety personnel such as a construction supervisor and construction safety officer as defined in Regulation 6, and competent persons as defined in Regulations 7, 8, 10, 11, 12, 14, 15, 18, 21(1), 22, 26 and 27, as applicable to this contract)

(a) Details of competent and qualified key persons from my company's own resources, who will form part of the contract team:

NAMES OF COMPETENT PERSONS	POSITIONS TO BE FILLED BY COMPETENT PERSONS

(b) Details of training of persons from my company's own resources (or to be hired) who will still have to be trained to achieve the necessary competency:

- i) By whom will training be provided?
 - ii) When will training be undertaken?
 - iii) List the positions to be filled by persons to be trained or hired:
-
-

(c) Details of competent resources to be appointed as subcontractors if competent persons cannot be supplied from own company:

Name of Proposed subcontractor:

Qualifications or details of competency of the subcontractor:

-
-
5. I hereby undertake, if my tender is accepted, to provide before commencement of the works under the contract, a suitable and sufficiently documented And Safety Plan in accordance with Regulation 5(1) of the Construction Regulations, which plan shall be subject to approval by the Employer.
 6. I confirm that copies of my company's approved Health and Safety Plan, the Employer's Safety Specifications as well as the OHS Act 1993 Construction Regulations 2003 will be provided on site and will at all times be available for inspection by the Contractor's personnel, the Employer's personnel, the Engineer, visitors, and officials and inspectors of the Department of Labour.
 7. I hereby confirm that adequate provision has been made in my tendered rates and prices in the schedule of quantities to cover the cost of all resources, actions, training and all health and safety measures envisaged in the OHS Act 1993 Construction Regulations 2003, and that I will be liable for any penalties that may be applied by the Employer in terms of the said Regulations (Regulation 30) for failure on the Contractor's part to comply with the provisions of the Act and the Regulations.
 8. I agree that my failure to complete and execute this declaration to the satisfaction of the Employer will mean that I am unable to comply with the requirements of the OHS Act 1993 Construction Regulations 2003 and accept that my tender will be prejudiced and may be rejected at the discretion of the Employer.

SIGNATURE: DATE:
(of person authorised to sign on behalf of the Tenderer)

SCHEDULE 3D: CONTRACTOR'S HEALTH AND SAFETY PLAN

The Tenderer shall attach to this page (or submit it separately) the Contractor's Health and Safety Plan as required in terms of Regulation 5 of the Occupational Health and Safety Act 1993 Construction Regulations 2003

DECLARATION OF INTEREST

- 1. No bid will be accepted from persons in the service of the state¹.
- 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 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 or her representative:

3.2 Identity Number:

3.3 Position occupied in the Company (director, trustee, shareholder²):.....

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 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.
.....
.....

¹MSCM 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 of 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 public 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 exercises control over the company.

3.9 Have you been in the service of the state for the past twelve months? YES / NO

3.9.1 If yes, furnish particulars.....
.....

3.10 Are you, aware of any relationship (family, friend, other) between any other bidder and any persons in the service of the state who may be involved with the evaluation and or adjudication of this bid? **YES / NO**

3.10.1 If yes, furnish particulars
.....
.....

3.11 Are any of the company's directors, trustees, managers, principle shareholders or stakeholders in service of the state? **YES / NO**

3.11.1 If yes, furnish particulars.
.....
.....

3.12 Are any spouse, child or parent of the company's directors trustees, managers, principle shareholders or stakeholders in service of the state? **YES / NO**

3.12.1 If yes, furnish particulars.
.....
.....

3.13 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**

3.13.1 If yes, furnish particulars:
.....
.....
.....

4. Full details of directors / trustees / members / shareholders.

Full Name <i>(Compulsory- must be completed)</i>	Identity Number <i>(Compulsory-must be completed)</i>	State Employee Number <i>(Ignore this column if not working for the State)</i>

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

MBD 6.1

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022

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

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

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to all bids:

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2 The value of this bid is estimated to not exceed R50 000 000 (all applicable taxes included) and therefore the 80/20 preference point system shall be applicable or

1.3 Points for this bid shall be awarded for:

- (a) Price; and
- (b) Specific contract participation goals, as specified in the attached forms.

1.4 The maximum points for this bid are allocated as follows:

	POINTS
PRICE	80
SPECIFIC GOALS	20
Total points for Price and SPECIFIC GOALS	100

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

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

2. DEFINITIONS

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

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1 POINTS AWARDED FOR PRICE

3.1.1 THE 80/20 OR PREFERENCE POINT SYSTEMS

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

$$P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right) \quad \text{or} \quad P_s = 90 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

Where

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

4. POINTS AWARDED FOR SPECIFIC GOALS

4.1 In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:

4.2 In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—

- (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
- (b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,

SPECIFIC GOALS FOR THE TENDER AND POINTS CLAIMED ARE INDICATED PER THE TABLE BELOW.

The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)
Race: *100% Black owned enterprise – 10 points *51% Black & 49% Other – 6 points *50% Black & 50% other – 4 points * Other – 2 Points	10	
Gender: *Women – 2 points	02	
Youth (18 – 35years) – 2 points	02	
Disabled - 1 points (medical document proof provided)	01	
Geographical Location (Enterprises located in: - *Provincial – 5 *National – 3	05	

Total Specific Goals = _____

NB: Proof must be attached for claimed points.

- CK Document
- Certified ID Copy
- Proof of Residents
- Medical Certificate (if applicable)

DECLARATION WITH REGARD TO COMPANY/FIRM

4.3 Name of company/firm.....

4.4 Company registration number:

4.5 TYPE OF COMPANY/ FIRM

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

[TICK APPLICABLE BOX]

4.6 I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
 - (a) disqualify the person from the tendering process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution, if deemed necessary.

..... SIGNATURE(S) OF TENDERER(S)	
SURNAME AND NAME:	.....
DATE:	.....
ADDRESS:	.....

MBD 7.2

CONTRACT FORM - RENDERING OF SERVICES

THIS FORM MUST BE FILLED IN DUPLICATE BY BOTH THE SERVICE PROVIDER (PART 1) AND THE PURCHASER (PART 2). BOTH FORMS MUST BE SIGNED IN THE ORIGINAL SO THAT THE SERVICE PROVIDER AND THE PURCHASER WOULD BE IN POSSESSION OF ORIGINALLY SIGNED CONTRACTS FOR THEIR RESPECTIVE RECORDS.

PART 1 (TO BE FILLED IN BY THE SERVICE PROVIDER)

1. I hereby undertake to render services described in the attached bidding documents to (name of the institution) in accordance with the requirements and task directives / proposals specifications stipulated in Bid Numberat the price/s quoted. My offer/s remain binding upon me and open for acceptance by the Purchaser during the validity period indicated and calculated from the closing date of the bid.

2. The following documents shall be deemed to form and be read and construed as part of this agreement:

- Bidding documents;
- Invitation to bid;
- Tax clearance certificate;
- Pricing schedule(s);
- Filled in task directive/proposal;
- Preference claims for Broad Based Black Economic Empowerment Status Level of Contribution in terms of the Preferential Procurement Regulations 2011;
- Declaration of interest;
- Declaration of Bidder's past SCM practices;
- Certificate of Independent Bid Determination;
- Special Conditions of Contract;
- General Conditions of Contract; and
- Other (specify)

3. I confirm that I have satisfied myself as to the correctness and validity of my bid; that the price(s) and rate(s) quoted cover all the services specified in the bidding documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.

4. I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this agreement as the principal liable for the due fulfilment of this contract.

5. I declare that I have no participation in any collusive practices with any bidder or any other person regarding this or any other bid.

6. I confirm that I am duly authorised to sign this contract.

NAME (PRINT)

CAPACITY

SIGNATURE

NAME OF FIRM

DATE

WITNESSES	
1	.....
2	.....
DATE:	

MBD 7.2

CONTRACT FORM - RENDERING OF SERVICES

PART 2 (TO BE FILLED IN BY THE PURCHASER)

1. I..... in my capacity as..... accept your bid under reference numberdated..... for the rendering of services indicated hereunder and/or further specified in the annexure(s).
2. An official order indicating service delivery instructions is forthcoming.
3. I undertake to make payment for the services rendered in accordance with the terms and conditions of the contract, within 30 (thirty) days after receipt of an invoice.

DESCRIPTION OF SERVICE	PRICE (ALL APPLICABLE TAXES INCLUDED)	COMPLETION DATE	B-BBEE STATUS LEVEL OF CONTRIBUTION	MINIMUM THRESHOLD FOR LOCAL PRODUCTION AND CONTENT (if applicable)

4. I confirm that I am duly authorised to sign this contract.

SIGNED AT ON

NAME (PRINT)

SIGNATURE

OFFICIAL STAMP

WITNESSES

1

2

DATE:

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. wilfully 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 of Restricted Suppliers as companies or persons 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 Accounting Officer/Authority of the institution that imposed the restriction after the <i>audi alteram partem</i> rule was applied). The Database of Restricted Suppliers now resides on the National Treasury's website(www.treasury.gov.za) and can be accessed by clicking on its link at the bottom of the home page.	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)? The Register for Tender Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za) by clicking on its link at the bottom of the home page.	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:		
Item	Question	Yes	No
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"/>
4.7.1	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 Bidder

MBD 9

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 *pe 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:

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.

MBD 9

CERTIFICATE OF INDEPENDENT BID DETERMINATION

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.

MBD 9

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. 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.

.....

Signature

.....

Date

.....

Position

.....

Name of Bidder

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.**

PARTICULARS OF BIDDER

THE FOLLOWING PARTICULARS MUST BE FURNISHED
(FAILURE TO DO SO MAY RESULT IN YOUR BID BEING DISQUALIFIED)

Name of Bidder:1

Postal Address:

.....

Street Address

.....

Telephone Number

Code Number

Cell phone Number

Facsimile Number Code Number

E-mail Address

Contact Person

Company / Enterprise Income Tax
Reference Number:

Has an original Tax Clearance Certificate been attached? (MBD2) (Tick one box)

YES

NO

Vat Registration Number

Company Registration No

Is the Firm registered or does it have a Business Licence(s): (Tick one box)

YES

NO

If YES, give details and quote relevant Reference numbers and dates

.....

.....

Are you the accredited Representative in South Africa for the goods / services offered by you? (Tick one box)

YES	NO
-----	----

(If YES enclose proof)

A VALID TAX CLEARANCE CERTIFICATE MUST BE ATTACHED TO YOUR BID.

The undersigned, who warrants that he/she is duly authorised to do so on behalf of the firm, affirms that the information furnished is true and correct.

Signature:

Date:

Duly authorised to sign on behalf of:

Address:

.....

Telephone Number:

Banking Details:

Name of Bank:

Account Number:

Branch Code:

PART C1: AGREEMENT AND CONTRACT DATA

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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.

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 insurance and any other documentation to be provided in terms of the conditions of contract identified in the contract data. Failure to fulfil any of 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 (5) 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.¹

Signature(s)
Name(s)
Capacity
for the **Employer**
(Name and address of organization)

Name and signature of witnessDate

¹ As an alternative the following wording may be used:

Notwithstanding anything contained herein, this agreement comes into effect two (2) working days after the submission by the Employer of one fully completed original copy of this document, including the schedule of deviations (if any), to a courier-to-counter delivery / counter-to-counter delivery / door-to-counter delivery / door- to-door delivery / courier service (delete that which is not applicable), provided that the Employer notifies the Tenderer of the tracking number within 24 hours of such submission. Unless the tenderer (now contractor) within seven (7) working days of the date of such submission 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.

3. SCHEDULE OF DEVIATIONS

Notes:

- 1. The extent of deviations from the tender documents issued by the employer before 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, be 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	.....
5.	Subject	.....
	Details	.....

By the duly authorized 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 changes to the terms of the offer agreed by the tenderer and the employer during this process of offer and acceptance.

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

C1.2: CONTRACT DATA (PART 1)

The Conditions of Contract are the General Conditions of Contract for Construction Works (2015) published by the South African Institution of Civil Engineering (SAICE). Copies of these conditions of contract may be obtained from the SAICE Tel no.: (0)11 805 5947.

The General Conditions of Contract for Construction Works make several references to the Contract Data. The Contract Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the General Conditions of Contract.

Each item of data given below is cross-referenced to the clause in the General Conditions of Contract for Construction Works to which it mainly applies.

PART 1: DATA PROVIDED BY THE EMPLOYER

Clause	Description
1.1.14 1.2.2	The Employer is the OKHAHLAMBA LOCAL MUNICIPALITY The Employer's address for receipt of communications and notices is: Telephone: (036) 448 8000 Facsimile: (036) 448 1986 Address (Postal): PO Box 71 (Physical): 259 Kingsway Street Bergville Bergville 3350 3350
1.1.15 1.2.2	Black Dinesty (Pty) Ltd The Engineer's address for receipt of communications and notices is: 43 Klipbank Drive, Ladysmith, 3370 Tel: 079 729 4216 E-mail: vuki@blackdinesty.com
1.1.13	The time for completing the works is four (4) months.
1.6 and 38	The special non-working days are public holidays, Sundays and the year-end break . These days will be excluded from time calculations.
1.6	The year-end break commences on 15 December 2025 and ends on 06 January 2026
2.3	The Engineer is required to obtain the specific approval of the Employer before executing any of the following functions or duties: a) The issuing of a variation order in terms of Clause 6.3 b) Approval of extension of time in terms of Clause 5.12 c) Approval of penalties in terms of Clause 5.13.1 d) Approval to utilize the contingencies
4.5.2	Replace the term "Safety" with "Occupational Health and Safety".

Clause	Description
7	The time to deliver the Deed of Guarantee is 14 days of the Commencement Date
	The Form of Guarantee is to contain the wording of the document included in C1.3. The liability of the Guarantee shall be for 10 % of the Tender Price.
10	The Contractor shall commence executing the Works within 14 days of the Commencement Date.
12.2	The Contractor shall deliver his programme of work within 14 days of the Commencement Date.
35.1.1.2.2	The value of the materials supplied by the Employer to be included in the insurance sum is R0-00 (Nil) .
35.1.1.2.3	The amount to cover professional fees for repairing damage and loss to be included in the insurance sum is 14% .
35.1.3	The limit of indemnity for the liability insurance required is R10 million .
37.2.2.3	The percentage allowance to cover overhead charges for work executed on a day-work basis is 25%
43.1	The penalty for failing to complete the Works is R 2500.00 per calendar day.
46.2	<i>The Contract is a Re-measurement Contract.</i> <i>Contract Price Adjustment will not apply for this contract.</i>
46.3	Price adjustments for variations in the costs of special materials will not apply to this contract. Refer Contract Data (Part 2).
49.1.5	The percentage advance on materials not yet built into the Permanent Works is 80 % .
49.3	The percentage retention on the amounts due to the Contractor is 10 % .
49.3	The limit of retention money is 10 % of the Contract Price. No interest will be paid on retention money
49.6	A Retention Money Guarantee is permitted. Replace the term "Bank" with "Bank or Insurance Company" in Clauses 49.6.1 to 49.6.3.
51.5.3	Delete Clause 51.5.3 as retention monies shall not be halved at completion.
53.1	The Defects Liability Period is 12 months measured from the date of the Certificate of Completion.
55.1.8	Replace subclause with: The Contractor or anyone on his behalf or in his employ would pay, offer or offer as payment to any person in the employ of the Employer, or in the employ of the Engineer, a gratuity or reward or commission.
Additional Conditions of Contract	EXTENSION OF TIME FOR ABNORMAL RAINFALL Extensions of time in respect of clause 5.12.2.2 in respect of abnormal rainfall shall be calculated using the following formula for each calendar month or part thereof: $V = \frac{(Nw - Nn) + (Rw - Rn)}{X}$ Where:

Clause	Description
	<p>V = Extension of time in calendar days in respect of the calendar month under consideration.</p> <p>Nw = Actual number of days during the calendar month on which a rainfall of 10 mm or more has been recorded.</p> <p>Nn = Average number of days in the relevant calendar month, as derived from existing rainfall records, as stated in the Scope of Work, on which a rainfall of 10mm or more has been recorded for the calendar month.</p> <p>Rw = Actual average rainfall in mm recorded for the calendar month under consideration.</p> <p>Rn = Average rainfall in mm for the calendar month as derived from existing rainfall records as stated in the Scope of Work.</p> <p>For purposes of the Contract Nn, Rn, X and Y shall have those values assigned to them in the Scope of Work.</p> <p>If V is negative and its absolute value exceeds Nn, then V shall be taken as equal to minus Nn.</p> <p>The total extension of time shall be the algebraic sum of all monthly totals for the period under consideration, but if the total is negative the time for completion shall not be reduced due to subnormal rainfall.</p> <p>Extensions of time for part of a month shall be calculated using pro rata values of Nn and Rn.</p> <p>This formula does not take account flood damage which could cause further or concurrent delays and will be treated separately as far as extension of time is concerned.</p> <p>The factor (Nw – Nn) shall be considered to represent a fair allowance for variations from the average in the number of days during which rainfall exceeds 10 mm. The factor (Rw- Rn) shall be considered to represent a fair allowance for variations from the average in the number of days during which the rainfall did not exceed 10 mm but wet conditions prevented or disrupted work.</p> <p>For the purpose of applying the formula, accurate rain gauging shall be taken at a suitable point on the Site and the Contractor shall at his own expense, take all necessary precautions to ensure that rain gauges cannot be interfered with by unauthorized persons.</p>
Additional Clause	<p>MENTORING OF LEARNERS</p> <p>Definition</p> <p>Mentor means an experienced and trusted advisor appointed by the National Department of Public Works and tasked with the provision of assistance to the Learners and Learner Contracting Companies in the planning, execution and management of the on-site training projects.</p> <p>Objectives of mentorship services</p> <p>The National Department of Public Works' objective in appointing a Mentor is to:</p> <ol style="list-style-type: none"> a) minimize the Public Body's risk of the projects not being constructed to stated requirements, within budget and on time; b) provide access to project and commercial expertise that Learner Contracting Companies may lack during the execution of the three projects which form an integral part of the EPWP Contractor Learnership Programme outlined in the Scope of Work. c) capacitate Learner Contracting Companies to successfully complete their contracts with the Public Body and to work independently and profitably; and d) identify learners who do not satisfy the requirements of the EPWP Learnership Programme and as such be removed from the programme. <p>Authority of mentors</p>

Clause	Description
	<p>The Mentor has no authority to relieve the Contractor or the Employer of any of his obligations under the Contract.</p>
	<p>Payment for the labour-intensive component of the works</p> <p>Payment for works identified in the Scope of Work as being labour-intensive shall only be made in accordance with the provisions of the Contract if the works are constructed strictly in accordance with the provisions of the scope of work. Any non-payment for such works shall not relieve the Contractor in any way from his obligations either in contract or in delict.</p> <p>Applicable labour laws</p> <p>The Ministerial Determination, Special Public Works Programmes, issued in terms of the Basic Conditions of Employment Act of 1997 by the Minister of Labour in Government Notice N° R63 of 25 January 2002, as reproduced below, shall apply to works described in the scope of work as being labour intensive and which are undertaken by unskilled or semi-skilled workers.</p>
	<p>1. Introduction</p> <p>1.1 This document contains the standard terms and conditions for workers employed in elementary occupations on a Special Public Works Programme (SPWP). These terms and conditions do NOT apply to persons employed in the supervision and management of a SPWP.</p> <p>1.2 In this document –</p> <ul style="list-style-type: none"> (a) “department” means any department of the State, implementing agent or contractor; (b) “employer” means any department, implementing agency or contractor that hires workers to work in elementary occupations on a SPWP; (c) “worker” means any person working in an elementary occupation on a SPWP; (d) “elementary occupation” means any occupation involving unskilled or semi- skilled work; (e) “management” means any person employed by a department or implementing agency to administer or execute an SPWP; (f) “task” means a fixed quantity of work; (g) “task-based work” means work in which a worker is paid a fixed rate for performing a task; (h) “task-rated worker” means a worker paid on the basis of the number of tasks completed; (i) “time-rated worker” means a worker paid on the basis of the length of time worked.
	<p>2. Terms of Work</p> <p>2.1 Workers on a SPWP are employed on a temporary basis.</p> <p>2.2 A worker may NOT be employed for longer than 24 months in any five-year cycle on a SPWP</p> <p>2.3 Employment on a SPWP does not qualify as employment as a contributor for the purposes of the Unemployment Insurance Act 30 of 1966.</p>

Clause	Description
	<p>3. Normal Hours of Work</p> <p>3.1 An employer may not set tasks or hours of work that require a worker to work–</p> <p>(a) more than forty hours in any week</p> <p>(b) on more than five days in any week; and</p> <p>(c) for more than eight hours on any day.</p> <p>3.2 An employer and worker may agree that a worker will work four days per week. The worker may then work up to ten hours per day.</p>
	<p>4. Meal Breaks</p> <p>4.1 A worker may not work for more than five hours without taking a meal break of at least thirty minutes duration.</p> <p>4.2 An employer and worker may agree on longer meal breaks.</p> <p>4.3 A worker may not work during a meal break. However, an employer may require a worker to perform duties during a meal break if those duties cannot be left unattended and cannot be performed by another worker. An employer must take reasonable steps to ensure that a worker is relieved of his or her duties during the meal break.</p> <p>4.4 A worker is not entitled to payment for the period of a meal break. However, a worker who is paid on the basis of time worked must be paid if the worker is required to work or to be available for work during the meal break.</p>
	<p>5. Special Conditions for Security Guards</p> <p>5.1 A security guard may work up to 55 hours per week and up to eleven hours per day.</p> <p>5.2 A security guard who works more than ten hours per day must have a meal break of at least one hour or two breaks of at least 30 minutes each.</p>
	<p>6. Daily Rest Period</p> <p>Every worker is entitled to a daily rest period of at least eight consecutive hours. The daily rest period is measured from the time the worker ends work on one day until the time the worker starts work on the next day.</p>
	<p>7. Weekly Rest Period</p> <p>Every worker must have two days off every week. A worker may only work on their day off to perform work which must be done without delay and cannot be performed by workers during their ordinary hours of work ("emergency work").</p>
	<p>8. Work on Sundays and Public Holidays</p> <p>8.1 A worker may only work on a Sunday or public holiday to perform emergency or security work.</p> <p>8.2 Work on Sundays is paid at the ordinary rate of pay.</p> <p>8.3 A task-rated worker who works on a public holiday must be paid –</p> <p>(a) the worker's daily task rate, if the worker works for less than four hours;</p>

Clause	Description
	<p>(b) double the worker's daily task rate, if the worker works for more than four hours.</p> <p>8.4 A time-rated worker who works on a public holiday must be paid –</p> <p>(a) the worker's daily rate of pay, if the worker works for less than four hours on the public holiday;</p> <p>(b) double the worker's daily rate of pay, if the worker works for more than four hours on the public holiday.</p>
	<p>9. Sick Leave</p> <p>9.1 Only workers who work four or more days per week have the right to claim sick- pay in terms of this clause.</p> <p>9.2 A worker who is unable to work on account of illness or injury is entitled to claim one day's paid sick leave for every full month that the worker has worked in terms of a contract.</p> <p>9.3 A worker may accumulate a maximum of twelve days' sick leave in a year.</p> <p>9.4 Accumulated sick-leave may not be transferred from one contract to another contract.</p> <p>9.5 An employer must pay a task-rated worker the worker's daily task rate for a day's sick leave.</p> <p>9.6 An employer must pay a time-rated worker the worker's daily rate of pay for a day's sick leave.</p> <p>9.7 An employer must pay a worker sick pay on the worker's usual payday.</p> <p>9.8 Before paying sick-pay, an employer may require a worker to produce a certificate stating that the worker was unable to work on account of sickness or injury if the worker is –</p> <p>(a) absent from work for more than two consecutive days; or</p> <p>(b) absent from work on more than two occasions in any eight-week period.</p> <p>9.9 A medical certificate must be issued and signed by a medical practitioner, a qualified nurse or a clinic staff member authorised to issue medical certificates indicating the duration and reason for incapacity.</p> <p>9.10 A worker is not entitled to paid sick-leave for a work-related injury or occupational disease for which the worker can claim compensation under the Compensation for Occupational Injuries and Diseases Act.</p> <p>10. Maternity Leave</p> <p>10.1 A worker may take up to four consecutive months' unpaid maternity leave.</p> <p>10.2 A worker is not entitled to any payment or employment-related benefits during maternity leave.</p> <p>10.3 A worker must give her employer reasonable notice of when she will start maternity leave and when she will return to work.</p>
	<p>10.4 A worker is not required to take the full period of maternity leave. However, a worker may not work for four weeks before the expected date of birth of her child. or for six weeks after the birth of her child, unless a medical practitioner, midwife or qualified nurse certifies that she is fit to do so.</p>

Clause	Description
	<p>10.5 A worker may begin maternity leave: –</p> <ul style="list-style-type: none"> (a) four weeks before the expected date of birth; or (b) on an earlier date: – <ul style="list-style-type: none"> (i) if a medical practitioner, midwife or certified nurse certifies that it is necessary for the health of the worker or that of her unborn child; or (c) on a later date, if a medical practitioner, midwife or certified nurse has certified that the worker is able to continue to work without endangering her health. <p>10.6 A worker who has a miscarriage during the third trimester of pregnancy or bears a stillborn child may take maternity leave for up to six weeks after the miscarriage or stillbirth.</p> <p>10.7 A worker who returns to work after maternity leave, has the right to start a new cycle of twenty-four months employment, unless the SPWP on which she was employed has ended.</p> <p>11. Family responsibility leave</p> <p>11.1 Workers, who work for at least four days per week, are entitled to three days paid family responsibility leave each year in the following circumstances: -</p> <ul style="list-style-type: none"> (a) when the employee’s child is born; (b) when the employee’s child is sick; (c) in the event of a death of – <ul style="list-style-type: none"> (i) the employee’s spouse or life partner; (ii) the employee’s parent, adoptive parent, grandparent, child, adopted child, grandchild or sibling.
	<p>12. Statement of Conditions An employer must give a worker a statement containing the following details at the start of employment: –</p> <ul style="list-style-type: none"> (a) the employer’s name and address and the name of the SPWP; (b) the tasks or job that the worker is to perform; and (c) the period for which the worker is hired or, if this is not certain, the expected duration of the contract; (d) the worker’s rate of pay and how this is to be calculated; (e) the training that the worker will receive during the SPWP <p>12.2 An employer must ensure that these terms are explained in a suitable language to any employee who is unable to read the statement.</p> <p>12.3. An employer must supply each worker with a copy of these conditions of employment.</p>

	<p>13. Keeping Records</p> <p>Every employer must keep a written record of at least the following: –</p> <ul style="list-style-type: none"> (a) the worker’s name and position; (b) in the case of a task-rated worker, the number of tasks completed by the worker; (c) in the case of a time-rated worker, the time worked by the worker; (d) payments made to each worker. <p>13.1 13.2 The employer must keep this record for a period of at least three years after the completion of the SPWP.</p>
	<p>14. Payment</p> <p>14.1 An employer must pay all wages at least monthly in cash or by cheque or into a bank account.</p> <p>14.2 A task-rated worker will only be paid for tasks that have been completed.</p> <p>14.3 An employer must pay a task-rated worker within five weeks of the work being completed and the work having been approved by the manager or the contractor having submitted an invoice to the employer.</p> <p>14.4 A time-rated worker will be paid at the end of each month.</p> <p>14.5 Payment must be made in cash, by cheque or by direct deposit into a bank account designated by the worker.</p> <p>14.6 Payment in cash or by cheque must take place: –</p> <ul style="list-style-type: none"> (a) at the workplace or at a place agreed to by the worker; (b) during the worker’s working hours or within fifteen minutes of the start or finish of work; (c) in a sealed envelope which becomes the property of the worker. <p>14.7 An employer must give a worker the following information in writing: –</p> <ul style="list-style-type: none"> (a) the period for which payment is made; (b) the numbers of tasks completed or hours worked; (c) the worker’s earnings; (d) any money deducted from the payment; (e) the actual amount paid to the worker. <p>14.8 If the worker is paid in cash or by cheque, this information must be recorded on the envelope and the worker must acknowledge receipt of payment by signing for it</p> <p>14.9 If a worker’s employment is terminated, the employer must pay all monies owing to that worker within one month of the termination of employment.</p>

Clause	Description
	<p>15. Deductions</p> <p>15.1 An employer may not deduct money from a worker’s payment unless the deduction is required in terms of a law.</p> <p>15.2 An employer must deduct and pay to the SA Revenue Services any income tax that the worker is required to pay.</p> <p>15.3 An employer who deducts money from a worker’s pay for payment to another person must pay the money to that person within the time period and other requirements specified in the agreement law, court order or arbitration award concerned.</p> <p>15.4 An employer may not require or allow a worker to: –</p> <ul style="list-style-type: none"> (a) repay any payment except an overpayment previously made by the employer by mistake; (b) state that the worker received a greater amount of money than the employer actually paid to the worker; or pay the employer or any other person for having been employed.
	<p>16. Health and Safety</p> <p>16.1 Employers must take all reasonable steps to ensure that the working environment is healthy and safe.</p> <p>16.2 A worker must: –</p> <ul style="list-style-type: none"> (a) work in a way that does not endanger his/her health and safety or that of any other person; (b) obey any health and safety instruction; (c) obey all health and safety rules of the SPWP; (d) use any personal protective equipment or clothing issued by the employer; <p>report any accident, near-miss incident or dangerous behaviour by another person to their employer or manager.</p>
	<p>17. Compensation for Injuries and Diseases</p> <p>17.1 It is the responsibility of the employers (other than a contractor) to arrange for all persons employed on a SPWP to be covered in terms of the Compensation for Occupational Injuries and Diseases Act, 130 of 1993.</p> <p>17.2 A worker must report any work-related injury or occupational disease to their employer or manager.</p> <p>17.3 The employer must report the accident or disease to the Compensation Commissioner.</p> <p>17.4 An employer must pay a worker who is unable to work because of an injury caused by an accident at work 75% of their earnings for up to three months. The employer will be refunded this amount by the Compensation Commissioner. This does NOT apply to injuries caused by accidents outside the workplace such as road accidents or accidents at home.</p>

Clause	Description
	<p>18. Termination</p> <p>18.1 The employer may terminate the employment of a worker for good cause after following a fair procedure.</p> <p>18.2 A worker will not receive severance pay on termination.</p> <p>18.3 A worker is not required to give notice to terminate employment. However, a worker who wishes to resign should advise the employer in advance to allow the employer to find a replacement.</p> <p>18.4 A worker who is absent for more than three consecutive days without informing the employer of an intention to return to work will have terminated the contract. However, the worker may be re-engaged if a position becomes available for the balance of the 24-month period.</p> <p>18.5 A worker who does not attend required training events, without good reason, will have terminated the contract. However, the worker may be re-engaged if a position becomes available for the balance of the 24-month period.</p>
	<p>19. Certificate of Service</p> <p>19.1 On termination of employment, a worker is entitled to a certificate stating –</p> <ul style="list-style-type: none"> (a) the worker’s full name; (b) the name and address of the employer; (c) the SPWP on which the worker worked; (d) the work performed by the worker; (e) any training received by the worker as part of the SPWP; (f) the period for which the worker worked on the SPWP; (g) any other information agreed on by the employer and worker.

C1.2: CONTRACT DATA (PART 2)

PART 2: DATA PROVIDED BY THE CONTRACTOR.

Clause	Description												
1.1.8 1.2.2	The Contractor is the <i>[Enter the Legal name of the Contractor].</i> The Contractor's address for receipt of communications and notices is: Telephone: Facsimile: E-mail: Address (Postal): Address (Physical):												
37.2.2.3	The percentage allowance to cover all overhead charges is												
42.1	The Works shall be completed in.....days/weeks/months *(delete one). <i>[State the total number of days, weeks, months or years which must include the special non-working days and the year-end break].</i> The Works shall be completed for the portions as set out in the Scope of Works for: Portion 1 within (To be completed by the Compiler) Portion 2 within The whole of the Works shall be complete within												
46.3	The variation in cost of special materials is: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;">Type of Material</th> <th style="width: 20%;">Unit</th> <th style="width: 40%;">Rate or Price</th> </tr> </thead> <tbody> <tr> <td>.....</td> <td>.....</td> <td>.....</td> </tr> <tr> <td>.....</td> <td>.....</td> <td>.....</td> </tr> <tr> <td>.....</td> <td>.....</td> <td>.....</td> </tr> </tbody> </table>	Type of Material	Unit	Rate or Price
Type of Material	Unit	Rate or Price											
.....											
.....											
.....											

C1.3: FORM OF 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: OKHAHLAMBA LOCAL MUNICIPALITY

“Contractor” means:

“Engineer” means: BLACK DINESTY (PTY) LTD

“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:

“Expiry Date” means:

CONTRACT DETAILS

Engineer issues: Interim Payment Certificates, Final Payment Certificates 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 by this Performance Guarantee and up to and including the Expiry Date or the date of issue by the Engineer of the Certificate of Completion of the Works or the date of payment in full of the Guaranteed Sum, whichever occurs first. The Engineer 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 acknowledge 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.
 - 3.3 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.

-
- 3.4 A copy of a first written demand issued by the Employer to the Contractor stating that payment of a sum certified by the Engineer 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;
- 3.5 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;
- 3.6 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.
4. Subject 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:
- 4.1 the Contract has been terminated due to the Contractor's default and that this Performance Guarantee is called up in terms of 5; or
- 4.2 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
- 4.3 the aforesaid written demand is accompanied by a copy of the notice of termination and/or the provision/final sequestration and/or the provisional liquidation court order.
5. 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.
6. 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.
7. 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.
8. Payment by the Guarantor in terms of 5 will only be made against the return of the original Performance Guarantee by the Employer.
9. 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 Contractor 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.
10. The Guarantor chooses the physical address as stated above for the service of all notices for all purposes in connection herewith.
11. 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.
12. This Performance Guarantee, with the required demand notices in terms of 4 and 5, shall be regarded as a liquid document for the purpose of obtaining a court order.
13. 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):

C1.4: OCCUPATIONAL HEALTH AND SAFETY AGREEMENT

MEMORANDUM OF AGREEMENT CONCLUDED BY AND BETWEEN:

OKHAHLAMBA LOCAL MUNICIPALITY

(HEREINAFTER REFERRED TO AS THE MUNICIPALITY)

herein represented by _____
in his capacity _____ as of the Municipality, he being duly authorised
thereto
and

(hereinafter referred to as the Mandatory)

herein represented by _____
in his capacity _____
as of the Mandatory, he being duly authorised thereto

WHEREAS:

1. The Municipality and the mandatory entered into a written, alternatively oral agreement on theDay of20 in terms of which the Mandatory undertook to carry out the following work for the Municipality, viz. (give a short description of the type of contract work to be done as well as the address where work will be done)

*(The said contract work is hereinafter referred to as the **Work**)*

2. The Occupational Health and Safety Act, Act 85 of 1993 as amended (hereinafter referred to as **the Act**) contains amongst others certain provisions with regard to the health and safety of people at work and in connection with the usage of plant and machinery, as well as the protection of other persons than persons at work against hazards to health and safety that originates from or in connection with the activities of persons at work.
3. Section 37(2) of the Act makes provision for the exclusion by the parties, by way of a written agreement, of supposition and accompanying liability of the Municipality as stipulated in section 37(1) of the Act.
4. The parties have reached consensus with regard to the terms and conditions to which they agree in terms of the provisions of section 37(2) of the Act.

NOW THEREFORE THE PARTIES AGREE AS FOLLOWS

1. WRITTEN AGREEMENT

The parties herewith agree in terms of section 37(2) of the Act on the arrangements and procedures that must be followed to ensure compliance with the provisions of the Act by the Mandatory.

2. ACKNOWLEDGEMENT BY THE MANDATARY

The mandatory acknowledge herewith that he is fully acquainted with the contents of the Act, as well as with all regulations and SABS codes of practice that have been made in terms of section 43 of the Act.

3. UNDERTAKING BY MANDATARY

- (a) The Mandatory hereby undertakes and binds himself to the Municipality to ensure prompt and strict compliance with the provisions of the Act and the said regulations as well as with the provisions included in this Safety Agreement at all times during the execution of the Works
- (b) It is hereby recorded that the provisions of this Safety Agreement as set out hereinafter are in no way intended to restrict the duties of the Mandatory, nor to exempt the Mandatory from his obligation in accordance with the Act and the said regulations

4. PERSONAL PROTECTIVE EQUIPMENT

- (a) It is compulsory to wear equipment for eye protection when working in an eye protection zone or where the Work requires eye protection.
- (b) It is compulsory to wear safety helmets when working in a safety helmet zone or where the Work requires safety helmets.
- (c) It is compulsory to wear hearing protection when working in a noise zone or where the Work requires hearing protection.
- (d) The wearing of other protective clothing and equipment as prescribed by the Occupational Health and Safety Officer of Nelspruit Municipality is compulsory.
- (e) The Mandatory shall ensure that the statutory requirements are complied with at all times.

5. FENCING AND GENERAL MACHINERY PROTECTION

No shield or fencing may be removed from or be moved at any machinery or installation without written permission.

6. SCAFFOLDING, LADDERS, TOOLS, ET CETERA

The Mandatory without the written permission of the Municipality may use no equipment or tools that belong to the Municipality.

Except where agreed beforehand the Mandatory shall provide enough tools and equipment to enable him to complete the Works and the Mandatory shall provide all storerooms, offices and eating halls that he may need. The Mandatory will be responsible for all his material on site.

In special case where the Municipality may lend equipment, tools or materials to the Mandatory, the Mandatory will use such equipment, tools and/or materials at his own risk and the Mandatory herewith indemnifies the Municipality against any liability of whichever nature or from any cause whatsoever, whether direct or indirect, that may arise from such usage.

7. SERVICES AND WORKING METHODS

The written permission of the Chief Executive/Town Clerk of the Municipality shall be obtained where any work which must be undertaken by the Mandatory is connected with a working process or machinery or any other service in connection therewith, or may possibly affect it, before he commences with such work.

Approval shall be obtained from the City Electrical Engineer of the Municipality before any equipment is connected to the electrical supply of the Municipality. All equipment shall be isolated before any equipment is connected to the electrical supply of the Municipality. It shall be isolated and be provided with earth leakage protection. Electrical machinery, portable electrical tools and portable lights must comply with the requirements of the applicable regulations.

Work permits must be issued in terms of the Occupational Health and Safety Act and Regulations when the nature of the work requires it. Permits must be issued by the relevant departmental head where necessary.

8. EXCAVATIONS

Written permission for excavations shall be obtained from the City Engineer of the Municipality and the Mandatory shall make sure of the existence and position of electrical cables, discharge pipes, gas lines, water conduits, et cetera before he commences with any excavation work.

All excavations and obstructions and/or any openings in platforms or floors shall be enclosed in a safe way and warning notices shall be erected to ensure absolute safety. An adequate number of red or orange caution lights shall be provided when it is dark or should bad light prevail.

The area surrounding excavations shall be kept in a safe, orderly and tidy condition. No loose material of whatever nature may be left in walkways or workplaces or be allowed to block walkways or workplaces.

Nobody may enter into any restricted area in which hazardous fumes or a shortage of oxygen exists without a permit giving permission to do so, issued by the head of the relevant department of the Municipality and until it has been certified safe for entrance by the Occupational Health and Safety Officer and the Health Inspector of the Municipality.

9. RESTRICTION TO WORKPLACE

Employees of the Mandatory shall be restricted to their workplaces except when they have to leave their area for work purposes or when they visit toilets.

10. SUBCONTRACTORS

The Mandatory shall ensure that all subcontractors receive a copy of this safety agreement and must ensure they comply with it.

11. OCCUPATIONAL HEALTH AND SAFETY OFFICER AND THE REPORTING OF ALL ACCIDENTS

The Occupational Health and Safety Officer of the Municipality is available for consultation and he will make periodical visits to the workplace of the Mandatory. Any hazardous occurrence or incident to the employees of the Mandatory that results in absence from work for a period longer than three days shall be reported in writing to the Occupational Health and Safety Officer of the Municipality within forty - eight hours as well as to the Department of Labour as specified by the Act. Every user, employer, occupier, builder or excavator must, under this Act, keep record of all accidents that occur.

In the case of an accident that results in loss of life, nobody may disturb the scene of the accident or any articles involved in the accident prior to the arrival of the Occupational Health and Safety Officer and the Inspector, unless it is to prevent another accident from happening or the prevention of loss of life or to remove corpses.

The Occupational Health and Safety Officer will issue contravention notices to the Mandatory or a sub-contractor when there is a non - compliance and will specify the time in which it must be rectified.

The Occupational Health and Safety Officer will issue work stop notices to the Mandatory or sub-contractor whenever he is of

the opinion that the health and safety of any person at work is threatened or that the contravention notices are not adhered to.

12. FIRST AID

Where five or more persons are employed at a workplace, the Mandatory shall provide and maintain an adequately equipped first-aid box that meets the following requirements.

- (a) Every first-aid box shall contain the minimum contents as prescribed by the Occupational Health and Safety Act.
 - (b) Nothing except articles and equipment required for first-aid purposes may be kept in the first-aid box.
 - (c) Each first-aid box shall be kept in a place readily accessible in case of an accident.
- All first-aid boxes shall be placed under control of a responsible person except where five or less persons are at work. The responsible person must be in the possession of a valid first-aid certificate issued by one of the following organisations:

- A South-African Red Cross Society
- B St. John's Ambulance Foundation
- C South-African First-Aid League

A notice indicating where the first-aid box is kept as well as the name of the person in charge, shall be affixed in a conspicuous place. The first-aid facilities of the Municipality may be used during emergencies.

13. FIRE PREVENTION MEASURES AND STORAGE OF FLAMMABLE MATERIAL

The Fire department of the Municipality shall be notified before any welding, oxyacetylene welding, cutting, burning of paint or tar from floors or roofs is undertaken so that the necessary fire prevention measures can be arranged. All "NO SMOKING AND OPEN SURFACE FIRES/LIGHTS PROHIBITED" notices shall be adhered to. The Mandatory and his senior employee shall acquaint themselves and their fellow workers with the fire prevention measures of the Municipality, which will also include fire alarm notices and exits in case of fire, and they shall ensure that these rules are strictly complied with.

14. COMPLETION OF WORK

Before the mandatory or his sub-contractors leaves the site they shall inform the Head of the relevant Department of the Municipality and obtain his/her written approval that the work has been completed satisfactory and that the site of the work is left in a good condition.

15. SALVAGED MATERIAL AND EQUIPMENT

Any building demolished or equipment or materials that are salvaged whilst carrying out the work shall remain the property of the Municipality, unless the contract specifically provides otherwise.

16. BREAKING OF THESE RULES AND POOR CONDUCT

The Mandatory is warned that no behaviour that causes danger to their own employees, to the employees of the Municipality or general public will be tolerated. The Occupational Health and Safety Officer of the Municipality reserves the right of the withdrawal of any employees of the Mandatory or Municipality from the premises in the case of any default or breach of the agreement and to order that the completion of the work be stayed, pending compliance with this agreement; alternatively to cancel the agreement referred to in par.2 in which event the Municipality will be entitled to appoint an alternative contractor to complete the work and recover the costs thereof from the mandatory, without prejudice to any alternative or additional right or action or remedy to the Municipality, to recover from the mandatory damages for the default or breach and the cancellation.

The senior employees of the Mandatory shall sign a note of acknowledgement of this safety agreement to certify that they have received the regulations as included herein and that they understand the regulations

17. INTOXICATION

Nobody that is in a state of intoxication or that is in any other condition that causes or may cause his/her incapability to control him/herself or persons under his control may and shall not be permitted on the premises of the Municipality. The Occupational Health and Safety Officer of the Municipality reserves the right to the withdrawal of any employees of the Mandatory or

Municipality from the premises in the case of any transgression of this nature.

18. CONFIDENTIALLY

The Mandatory shall at all times treat data and information that have been made known to him or that he requires in connection with his work from the Municipality as confidential and he may not make unauthorized use thereof. He must also ensure that such data and information are not communicated to anybody else that is not an employee of the Mandatory without obtaining prior written approval from the Municipality and he must further ensure that such persons do in fact know that the said information is confidential and that they are obliged to treat it as such.

The Mandatory shall provide for adequate physical protection for any confidential documents, sketches, et cetera that he receives from the Municipality in connection with the work as well as for any copies thereof that he makes. He shall hand back all documents sketches and copies thereof to the Municipality upon completion of the work, or earlier, if so, requested by the Municipality. The Mandatory shall inform the Municipality immediately should any such documents or sketches become lost.

19. INDEMNIFICATION BY THE MANDATORY

The following conditions will be applicable to the Mandatory:

- (a) The Mandatory is liable and herewith indemnifies the Municipality irrevocably and in full against any claim for loss or damage to property or arising from death or injury of any person and any associated loss or damage suffered, and against all lawsuits, claims, demands, costs, expenses, and charges that may arise when the said occurrences are caused on purpose or through the negligence, violation of legal obligations or failure by the Mandatory or its employees.
- (b) Whenever any of the employees of the Municipality is busy with work to, or with the supply of material that will be used during the execution of the work by the Mandatory, or otherwise busy with work under the instruction and supervision of the Mandatory, in as far as they may be negligent or fail to do their duty, they will be regarded as employees of the mandatory
- (c) All installations, equipment, hoisting-apparatus and other implements, scaffolding, ladders, material, et cetera that are borrowed from the Municipality by the Mandatory for usage during the execution of the work, will be used entirely at the risk of the Mandatory or employees of the Mandatory and the Mandatory herewith indemnifies the Municipality irrevocably and in full against any liability that may arise from such usage.

20. AMENDMENTS MUST BE IN WRITING

The parties agree herewith that this safety agreement is the only safety agreement between them and that no amendment thereof will be valid unless it is in writing and signed by both parties.

21. JURISDICTION AND LEGAL COSTS

In the event of any legal action being instituted pertaining to this agreement the party in default or breach will be liable for the other party's legal costs on the scale as between attorney and own Employer and the parties consent to the jurisdiction of the magistrate's court for purpose of any legal action being instituted.

PARTICULARS OF THE MANDATORY

Name (Mandatory) _____

C.E.O. (Section 16(1)) _____

ID NO _____

Designation _____

Name of Business _____

Address of Business _____

Tel number _____ (h) _____ (w) e-mail _____

Number of employees employed _____

Registration number as allocated to the Mandatory by the Workman's Compensation Commissioner Date allocated

Thus done and signed on this _____ day of _____ 20

As witnesses:

_____ (Signature) _____ (Name in print)

_____ (Signature) _____ (Name in print)

_____ (Signature) _____ (Name in print)

THE MANDATORY

Thus, done and signed on this _____ day of _____ 20_____

As witnesses:

_____ (Signature) _____ (Name in print)

_____ (Signature) _____ (Name in print)

_____ (Signature) _____ (Name in print)

THE MUNICIPALITY

Acknowledgement of receipt of the agreement:

THE MANDATORY

PART C2: PRICING DATA

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C2.1: PRICING INSTRUCTIONS

- C2.1.1** Measurement and payment shall be in accordance with Clause 8 of the SANS 1200 Standardised Specifications for Civil Engineering Construction referred to in the Scope of Works, subject to the variations and amendments contained in the section “Applicable SANS 1200 standardised specifications”.
- C2.1.2** Descriptions in the Bills of Quantities are abbreviated and comply generally with those in the Standardised Specifications. Clause 8 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 Bill, the requirements of the Standardised or Scope of Work, as applicable, shall prevail.
- C2.1.3** The clauses in a specification in which further information regarding the Bill item can be obtained appear under “Reference clause” in the Bills of Quantities. The reference clauses indicated are not necessarily the only sources of information in respect of schedule items. Further information and set specifications may be found elsewhere in the contract documents. Standardised Specifications are identified by the letter or letters which follow SANS in the SANS 1200 series of specifications, e.g. G for SANS 1200 G.
- C2.1.4** Unless otherwise stated, items are measured nett in accordance with the drawings, and no allowance is made for waste.
- C2.1.5** The quantities set out in these Bills of Quantities are approximate and do not necessarily represent the actual amount of work to be done. The quantities of work accepted and certified for payment will be used for determining payments due and not the quantities given in the Bills of Quantities.
- C2.1.6** The prices and rates to be inserted in the Bills of Quantities are to be the full inclusive prices for the work described under the several items. Such prices and rates shall cover all costs and expenses that may be required in and for the execution of the work described, and 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. The prices will be used as a basis for assessment of payment for additional work that may have to be carried out.
- C2.1.7** It will be assumed that prices included in these Bills of Quantities are 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 or www.iso.org for information on standards).
- C2.1.8** Where the Scope of Work requires detailed drawings and designs or other information to be provided, all costs associated therewith are deemed to have been provided for and included in the unit rates and sum amount tendered such items
- C2.1.9** A price or rate is to be entered against each item in the Schedule/Bills of Quantities, whether the quantities are stated or not. An item against which no price is entered will be considered to be covered by the other prices or rates in the Bills of Quantities. A single lump sum will apply should a number of items be grouped together for pricing purposes.
- C2.1.10** Except where rates only are required, the Tenderer shall insert all amounts to be included in his total tendered price in the “Amount” column and show the corresponding total tendered price.
- C2.1.11** The units of measurement described in the Bills of Quantities are metric units. Abbreviations used in the Bills of Quantities are as follows:

ha	=	hectare	h	=	hour
Kl	=	kilolitre	kg	=	kilogram
km	=	kilometre	kW	=	kilowatt
Km-pass	=	kilometre pass	MN	=	Mega Newton
kPa	=	kilopascal	MN.m	=	Mega Newton-metre
l	=	litre	%	=	per cent
m	=	metre	PC sum	=	Prime Cost sum
mm	=	millimetre	Prov sum	=	Provisional sum
m ²	=	square metre	No.	=	number
m ² .pass	=	square metre-pass	R/only	=	Rate only
m ³	=	cubic metre	sum	=	lump sum
m ³ .km	=	cubic metre-kilometre	t	=	ton (1 000 kg)
MPa	=	Megapascal	W/day	=	Work day

C2.1.12 Those parts of the contract to be constructed using labour-intensive methods have been marked in the Bills of Quantities with the letters LI in a separate column filled in against every item so designated. The works, or parts of the works so designated are to be constructed using labour- intensive methods only. The use of plant to provide such works, other than plant specifically provided for in the scope of work, is a variation to the contract. The items marked with the letters LI are not necessarily an exhaustive list of all the activities which must be done by hand, and this clause does not over-ride any of the requirements in the generic labour-intensive specification in the Scope of Works.

C2.1.13 Payment for items which are designated to be constructed labour-intensively (either in this schedule or in the Scope of Works) will not be made unless they are constructed using labour- intensive methods. Any unauthorised use of plant to carry out work which was to be done labour- intensively will not be condoned and any works so constructed will not be certified for payment.

C2.2: SCHEDULE OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	LI	QTY	RATE	AMOUNT
B	ROAD WORKS					
B1300	CONTRACTORS ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS					
B13.01	The contractor's general obligations:					
	(a) Fixed obligations	Lump Sum		1		
	(b) Value-related obligations	Lump Sum		1		
	(c) Time-related obligations	Month		4		
B13.02	Provision of Health and Safety:					
	(a) Fixed obligations for the preparation of risk assessments, safe work procedures, the project Health & Safety file, the Health & Safety plan and any other Health & Safety matters that the Contractor deems necessary lump sum (Sum) and checking, the project H & S file, etc.	Lump Sum		1		
	(b) Fixed obligations for completing and checking the Project Health & Safety file and handing it over to the Employer on completion of the Works	Lump Sum		1		
	(c) Time-related obligations for updating and amending the risk assessments, the safe work procedures, the project Health & Safety file and the Health & Safety plan, and for full compliance with all Health & Safety matters during the construction of the Works under the contract	Month		4		
B13.03	Facilities for Engineer:					
	(a) Resident Engineer	Prov. Sum		1	R 50 000.00	R 50 000.00
	(b) Survey Assistance	Prov. Sum		1	R 70 000.00	R 70 000.00
	(c) Environmental obligations	Prov. Sum		1	R 35 000.00	R 35 000.00
B13.04	Supply, transport to site and erection of the Contract Signboards	No.		2		
	TOTAL CARRIED FORWARD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	LI	QTY	RATE	AMOUNT
B1400	HOUSING, OFFICES AND LABORATORIES FOR THE ENGINEER'S SITE PERSONNEL					
B14.03	Office and laboratory fittings, installations and equipment: (iv) Constant temperature bath of concrete and plastered brick	m ²		2.5		
B14.04	Car ports: (a) Car ports, as specified, at offices and laboratory buildings	No.		2		
B14.08	Services: (a) Services at offices and laboratories:					
	(i) Fixed costs	Lump Sum		1		
	(ii) Running costs	Month		4		
	TOTAL CARRIED FORWARD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	LI	QTY	RATE	AMOUNT
B1500	ACCOMMODATION OF TRAFFIC					
B15.01	Accommodating traffic and maintaining temporary deviations	month		4		
B15.03	Temporary traffic control facilities:					
	(a) Flagmen	man-day		480		
	(b) Portable STOP and GO-RY signs	No		2		
	(c) Road Signs, R- and TR -series	No		2		
	(d) Road Signs TW-series	No		4		
	(e) Delineators:					
	(i) Single	No		5		
	(f) Movable barricade/road sign combination	No		2		
	(g) Single guardrails attached to posts	m		15		
B15.04	Relocation of traffic control facilities	Lump Sum		1		
B15/16.02	Overhaul on material hauled in excess of 1.0 km (ordinary overhaul):	m ³ -km		2500		
	TOTAL CARRIED FORWARD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	LI	QTY	RATE	AMOUNT
B1700	CLEARING AND GRUBBING					
B17.01	Clearing and Grubbing	ha		0.2		
B17.02	Removal and grubbing of large trees and tree stumps:					
	(a) Girth exceeding 1m up to and including 2m	No		5		
	(b) Girth exceeding 2m up to and including 3m	No		2		
	TOTAL CARRIED FORWARD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	LI	QTY	RATE	AMOUNT
B2100	DRAINS					
B21.01	Excavation for open drains: (a) Excavating soft material situated within the following depth ranges below the surface level: (i) 0m up to 1.5m	m ³		300		
	(b) Extra over sub-item 21.03 (a) for excavation in hard material, irrespective of depth	m ³		200		
B21.15	Overhaul for material hauled in excess of 1,0 km free-haul (normal overhaul)	m ³ -km		2000		
B21.19	Selected backfill material under concrete – lined side drains compacted to 93% of modified AASHTO density	m ³		100		
TOTAL CARRIED FORWARD TO SUMMARY						

ITEM NO	DESCRIPTION	UNIT	LI	QTY	RATE	AMOUNT
B2200	PREFABRICATED CULVERTS					
B22.01	Excavation: (a) Excavating soft material situated within the following depth ranges below the surface level:					
	(i) 0m up to 1.5m	m ³		150		
	(ii) Exceeding 1.5m and up to 3.0m	m ³		100		
	(iii) exceeding 3,0m and up to 4,5m	m ³		50		
	(b) Extra-over sub-item 22.01(a) for excavation in hard material, irrespective of depth	m ³		300		
B22.02	Backfilling:					
	a) Using excavated material	m ³		200		
	b) Using imported selected material	m ³		100		
	c) Extra over subitems 22,02 (a) and (b) for soil cement backfilling (5% cement)	m ³		2000		
	d) Using 200mm thick 19mm stone bedding wrapped with Geotextile Fabric.	m ³		34		
B22.05	Portal culverts:					
	(i) 1500 x 1500mm	No		20		
	(ii) Precast Bases	No		20		
	(ii) 900mm dia. Spigot and Socket Class 100D with Rubber Collars	m		400		
B22.07	Cast in situ concrete and formwork:					
	(a) 25 Mpa 7 / m3	m ³		20		
	(b) Formwork	m ²		8		
B22.10	Steel Reinforcement:					
	(a) Mild Steel Bars	t		0.05		
	(b) High Tensile Steel Bars	t		2		
	TOTAL CARRIED FORWARD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	LI	QTY	RATE	AMOUNT
B2300	CONCRETE KERBING, CONCRETE CHANNELLING, CHUTES AND DOWNPIPES, AND CONCRETE LININGS FOR OPEN DRAINS					
B23.04	Cast Insitu concrete chutes (Measured by components):					
	(a) Concrete Class 15/19	m ³		13		
	(b) Formwork F3 surface finish – Rough Surface	m ²		30		
	(c) Structural Engineer inspection, technical reporting on structural concrete repairs on all existing concrete elements on site.	Prov. Sum		1	R 235 000.00	
	Overheads, charges and profit on item above.	%				
	TOTAL CARRIED FORWARD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	LI	QTY	RATE	AMOUNT
B3100	BORROW MATERIALS					
B31.01	Excess overburden	m ³		200		
B31.03	Finishing-off borrow areas in:					
	(a) Hard material	m ³		50		
	(b) Intermediate material	m ³		50		
	(c) Soft material	m ³		100		
	TOTAL CARRIED FORWARD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	LI	QTY	RATE	AMOUNT
B3300	MASS EARTHWORKS					
B33.01	Cut and borrow to fill, including free-haul up to 0,5 km: (a) Gravel material in compacted layer Thicknesses of 200mm and less: (i) Compacted to 90% of modified AASHTO density	m ³		350		
B33.03	Extra over item 33.01 for excavating and breaking down material in: (a) Intermediate excavation	m ³		120		
B33.07	Removal of unsuitable material (including free-haul of 0,5 km): (b) In layer thicknesses exceeding 200 mm (i) Stable material	m ³		10		
B33.1	Roadbed preparation and the compaction of material: (a) Compaction to 90% of modified AASHTO density	m ³		750		
B33.13	Finishing-off cut and fill slopes, medians and interchange areas: (a) Cut slopes (b) Fill slopes	m ² m ²		500 800		
B33/16.02	Overhaul on material hauled in excess of 1.0 km (ordinary overhaul):	m ³ -km		5000		
	TOTAL CARRIED FORWARD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	LI	QTY	RATE	AMOUNT
B3400	PAVEMENT LAYERS OF GRAVEL MATERIAL					
B34.01	Pavement layers constructed from gravel taken from cut or borrow, including free-haul up to 1,0 km:					
	(a) Gravel selected layer compacted to:					
	(i) 93% of modified AASHTO density (150mm layer thickness)	m ³		150		
	(h) Gravel wearing course compacted to:					
	(i) 93% of modified AASHTO density (150mm compacted layer thickness)	m ³		150		
B34/16.02	Overhaul on material hauled in excess of 1.0km (ordinary overhaul)	m ³ km		1500		
TOTAL CARRIED FORWARD TO SUMMARY						

ITEM NO	DESCRIPTION	UNIT	LI	QTY	RATE	AMOUNT
B5100	PITCHING, STONEMWORK AND PROTECTION AGAINST EROSION					
B51.01	Stone Pitching:					
	(a) Grouted stone pitching on a concrete bed (100mm thick)	m ²		60		
B51.05	Concrete edge beams:					
	(a) 20MPa, 150 mm deep and 75 mm wide – to be placed on 150mm of G7 material, compacted to 93% MOD AASHTO	m ³		2		
B51.06	Provision of approved herbicides and ant poison:					
	(a) Provision of material	PC Sum		1	R 6 000.00	R 6 000.00
	(b) Contractor's charges and profit added to the prime cost sum	%		R 6 000.00		
B51.07	Foundation trenches	m ³		4		
TOTAL CARRIED FORWARD TO SUMMARY						

ITEM NO	DESCRIPTION	UNIT	LI	QTY	RATE	AMOUNT
B5200	GABIONS					
B52.01	Foundation trench excavation and backfilling: (b) In all other classes of materials	m ³		100		
B52.02	Surface preparation for bedding the gabions.	M ²		90		
B52.03	Gabions: (a) Galvanized gabion boxes, with a nominal wire diameter of 2.7mm and 80mm x100mm mesh. (i) 1,0 m wide x 1,0m x 2,0 m long	m ³		80		
	I Galvanized gabion mattresses with a nominal wire diameter of 2.7mm and 80mm x100mm mesh (i) 1,0 m wide x 0,5m x 3,0m long	m ³		60		
B52.04	Filter fabric – Grade 3 (Kaymat U24 or similar)	m ²		100		
B52.05	Concrete class 15/19 in blinding layer	m ³		3		
	TOTAL CARRIED FORWARD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	LI	QTY	RATE	AMOUNT
B5400	GUARDRAILS					
B54.01	Guardrails on timber posts					
	(a) Galvanized	m		200		
B54.03	Extra over items 54.01 for horizontally curved	m		80		
B54.04	End treatments:					
	(a) End wings	No		4		
	(b) Bull noses	No		4		
B54.06	Reflective plates	No		50		
	TOTAL CARRIED FORWARD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	LI	QTY	RATE	AMOUNT
B5600	ROAD SIGNS					
B56.01	Road sign boards with painted or coloured semi-matt background. Symbols, lettering and borders in semi-matt black or in Class I retro-reflective material, where the sign board is constructed from: (e) Aluminium sheet regulatory warning and information signs:					
	(i) Area not exceeding 2 m ²	m ²		1.8		
B56.03	Road sign supports (over-head road sign structures excluded): (b) Timber					
	(i) 100 mm diameter creodoted	m		20		
B56.05	Excavation and backfilling for road sign supports (not applicable to kilometre posts)	m ³		3		
B56.06	Extra over item 56.05 for cement-treated soil backfill	m ³		3		
B56.07	Extra over item 56.05 for rock excavation	m ³		3		
	TOTAL CARRIED FORWARD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	LI	QTY	RATE	AMOUNT
B5800	LANDSCAPING AND PLANTING PLANTS					
B58.01	Trimming:					
	(b) Hand trimming	m ²		800		
B58.03	Preparing area for grassing:					
	(c) Topsoil within the road reserve, where the following materials are used:					
	(i) Topsoil obtained from within the road reserve or borrow areas (free haul 1,0 km)	m ³		400		
	(e) Providing and applying chemical fertilizers and/or soil-improvement material:					
	(i) Lime	t		0.5		
	(ii) 2: 3: 2 (22)	t		0.5		
B58.04	Grassing:					
	(b) Sodding by using the following types of sods:					
	(i) Nursery sods	m ²		800		
B58.06	Watering the already planted grass, trees and shrubs during periods of drought experienced during the growing season	kl		200		
	TOTAL CARRIED FORWARD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	LI	QTY	RATE	AMOUNT
B6200	FALSEWORK, FORMWORK AND CONCRETE FINISH					
B62.02	Vertical formwork to provide					
	(a) Class F1 surface finish to:					
	(i) Headwalls and cut off walls	m ²	LI	50		
	(ii) Earwalls and wingwalls	m ²	LI	128		
	(b) Class F2 surface finish to:					
	(i) Headwalls	m ²	LI	30		
	(ii) Earwalls and wingwalls	m ²	LI	50		
	(iii) Bollards	m ²	LI	70		
	Inclined formwork to provide					
	(a) Class F2 surface finish to:					
	(i) Bollards	m ²	LI	25		
	TOTAL CARRIED FORWARD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	LI	QTY	RATE	AMOUNT
B6300	STEEL REINFORCEMENT FOR STRUCTURES					
B63.01	Steel reinforcement for:					
	(a) Earwalls and wingwalls					
	(i) Mild steel bars	t	LI	0.5		
	(ii) High yield stress steel bars	t	LI	3		
	(b) Headwalls and cut off walls					
	(i) Mild steel bars	t	LI	1		
	(ii) High yield stress steel bars	t	LI	3		
	(c) Apron slab					
	(i) Mild steel bars	t	LI	1.5		
	(ii) High yield stress steel bars	t	LI	1		
	(iii) Welded steel fabric	kg	LI	500		
	(d) Bollards					
	(i) Mild steel bars	t	LI	1		
	(ii) High yield stress steel bars	t	LI	4		
	TOTAL CARRIED FORWARD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	LI	QTY	RATE	AMOUNT
B6400	CONCRETE FOR STRUCTURES					
B64.01	Cast in situ concrete:					
	(a) Class 25/19 in:					
	(i) Headwalls and cut off walls	m ³	LI	15		
	(ii) Earwalls and wingwalls	m ³	LI	30		
	(iii) Apron slabs	m ³	LI	5		
	(iv) Bollards	m ³	LI	10		
	TOTAL CARRIED FORWARD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	LI	QTY	RATE	AMOUNT
B6600	NO-FINES CONCRETE, JOINTS, BEARINGS, BOLT GROUPS FOR ELECTRIFICATION, PARAPETS AND DRAINAGE FOR STRUCTURES					
B66.06	Filled joints: (a) Depth greater than 150mm (i) In barrel with 15mm thick polystyrene and 3mm hardboard (ii) In wingwalls with 15mm thick polystyrene and 3mm hardboard	m ²	LI	60		
		m ²	LI	6		
B66.18	Numbers for structures: (c) Numbers formed in concrete	No	LI	2		
B66.19	Drainage pipes and weep holes: (a) Drainage pipes: (i) M65 Netlon Drainage pipe as detailed (ii) 325 mm wide DN1 Netlon drainage Strips covered with Kaymat U34 (b) Weep holes: (i) UPVC 12mm diameter pipes	m	LI	60		
		m	LI	120		
		m	LI	25		
B66.21	Synthetic-fibre filter fabric (i) 500mm wide strip of grade A4 geofabric over joints (ii) Grade 3 geofabric	m ²	LI	8		
		m ²	LI	90		
TOTAL CARRIED FORWARD TO SUMMARY						

ITEM NO	DESCRIPTION	UNIT	LI	QTY	RATE	AMOUNT
B8100	TESTING MATERIALS AND WORKMANSHIP					
B81.02	Other special tests requested by the engineer					
	(a) Cost of testing	PC Sum		1	R 50 000.00	R 50 000.00
	(b) Handling cost and profit in respect of sub item B81.02 (a) above	%		R 50 000.00		
	TOTAL CARRIED FORWARD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	LI	QTY	RATE	AMOUNT
D1000	DAYWORKS (Refer to Part D of the Project Specifications)					
D1.01	Compactors					
	(a) Pedestrian vibratory roller 0,5 ton	h		60		
	(b) Self Propelled Vibratory Roller 9 ton	h		60		
D1.02	Compressors					
	(a) 250 cfm (7m ³ /min) capacity complete with normal ancillary equipment	h		60		
D1.03	Concrete Mixers					
	(a) up to 0.6 m ³ dry capacity	h		40		
D1.04	Excavators					
	(a) Rubber tyred up to 45 kW and mass of 5 t	h		60		
	(b) Excavator Trax 100 kW and mass of 20 t	h		40		
D1.06	Trucks					
	(a) 1 ton LDV	h		120		
	(b) 5 ton flat bed with hoist	h		60		
	(d) Tip truck (5 m ³ capacity)	h		60		
D1.07	Oxy-acetylene cutting torch	h		20		
D1.08	Welding equipment, generator or alternator	h		20		
D1.09	Labourers					
	(a) Semi-skilled	h		60		
	(b) Unskilled	h		400		
D1.10	Construction hand	h		60		
	TOTAL CARRIED FORWARD					

ITEM NO	DESCRIPTION	UNIT	LI	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
D1.11	Artisan	h		60		
D1.12	Foreman	h		60		
TOTAL CARRIED FORWARD TO SUMMARY						

SECTIONS	DESCRIPTION	AMOUNT (RAND)
1300	CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS	
1400	HOUSING, OFFICES AND LABORATORY FOR THE ENGINEER'S SITE PERSONNEL	
1500	ACCOMMODATION OF TRAFFIC	
1700	CLEARING AND GRUBBING	
2100	ROADWORKS	
2200	PREFABRICATED CULVERTS	
2300	CONCRETE KERBING, CONCRETE CHANNELLING, CHUTES AND DOWNPIPES, AND CONCRETE LININGS FOR OPEN DRAINS	
3100	BORROW MATERIALS	
3300	MASS EARTHWORKS	
3400	PAVEMENT LAYERS OF GRAVEL MATERIAL	
5100	PITCHING, STONEMASONRY AND PROTECTION AGAINST EROSION	
5200	GABIONS	
5400	GUARDRAILS	
5600	ROAD SIGNS	
5800	LANDSCAPING AND PLANTING PLANTS	
6100	FOUNDATIONS FOR STRUCTURES	
6200	FALSEWORK, FORMWORK AND CONCRETE FINISH	
6300	STEEL REINFORCEMENT FOR STRUCTURES	
6400	CONCRETE FOR STRUCTURES	
6600	NO-FINES CONCRETE, JOINTS, BEARINGS, PARAPETS AND DRAINAGE FOR STRUCTURES	
8100	TESTING MATERIALS AND WORKMANSHIP	
SCHEDULE B: ROAD WORKS		
SCHEDULE D: DAYWORKS		
SUBTOTAL 1		

DESCRIPTION	AMOUNT (RAND)
<p>Totals of Schedule of Quantities brought forward:</p> <p style="text-align: right;">SUB-TOTAL 1</p>	
<p style="text-align: center;">ADD: 5% FOR CONTINGENCIES</p>	
<p style="text-align: right;">SUB-TOTAL 2</p>	
<p style="text-align: center;">ADD: 15% VAT</p>	
<p style="text-align: right;">SUB-TOTAL 3</p>	
<p>TOTAL CARRIED FORWARD TO FORM OF OFFER</p>	

PART C3: SCOPE OF WORKS

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C3.1. DESCRIPTION OF WORKS

The following description is a broad outline of the works and does not limit the work to be executed by the Contractor in terms of the contract. The quantities of some of the major items indicated in this section are indicative, not absolute, and are provided to define in general terms the overall scope of the project.

Approximate quantities of each type of work to be carried out in accordance with the contract documents are listed in the Schedule of Quantities in Section C2.2.

The site shall not only comprise the proclaimed road reserve but shall be extended in the broader sense to take account of all areas occupied by the Contractor, be it deliberate or unintentional, in the execution of the contract. The site includes all the land within the proclaimed limits of the road reserve along the extent of the works, borrow pits and quarry sites, stockpile areas, locations set aside for construction and supervision accommodation and any other location required for the execution of the Works.

Incidental intrusion into private or tribal property outside the road reserve shall not be permitted without the owner's written authority. Any such agreement reached with a private or tribal landowner (occupier) shall include the provision that any material or equipment on that site shall remain the exclusive property of the Employer in terms of the contract.

C3.1.1 Employer's Objectives

The construction of this bridge is part of the municipality's 3-year disaster budget plan and forms part of the Okhahlamba Local Municipality's IDP for the 2024/2025 financial year. The bridge will provide access to the communities residing within Zwelisha for them to be able to reach their desired locations since dwellings are located not far from either side of the bridge, their desired locations are nearest Schools, Clinics, Hospitals, Towns, Shops and many more.

The Okhahlamba local municipality is the custodian for the project area and as such; the Okhahlamba local municipality recognizes the need for rehabilitating the dilapidated or damaged pedestrian bridges infrastructure for the selected area.

The implementation of this project is intended to achieve the following outcomes that will benefit the municipality and communities of Okhahlamba municipality:

- To provide a safe and reliable infrastructure to approximately 3369 people living within the Zwelisha area of Okhahlamba LM.
- To create an awareness campaign to the community in relation of the importance of protecting the infrastructure and achieve an efficient and effective use of this access within the area.
- To build capacity within the communities by allowing community participation during the implementation and decision-making aspects of the project and create a greater capacity to understand the management of infrastructure.
- To uplift the benefiting communities by creating employment opportunities for the duration of the project implementation and provide skill training.

C3.1.2 General Description of the Project

The proposed bridge is in Zwelisha within Ward 9 of the Okhahlamba Local Municipality within uThukela District Municipality.

From Bergville, the proposed Veriakop bridge can be accessed by driving along R74 towards Langkloof for approximately 28.6km. Take the exit pointing towards Drakensberg World Heritage Site, and drive on the road and through Langkloof for approximately 4.7 km, then turn left into the gravel road and drive for approximately 6.4 km towards Mkukwini. Take the gravel road on the right and drive for approximately 300 m and to reach the proposed site.

The general location of the works is shown on the locality plan in Section C4.1 of this document.

Coordinates:

Project Name	Span (m)	Terrain
Construction of Veriakop Bridge in Zwelisha Ward 9	Approximately 9.7m	Flat

This project consists of one bridge: The Veriakop Bridge

The construction scope will include the following:

- Site establishment and de-establishment of offices, plant and equipment.
- Site clearance
- Demolish the existing structure
- Construct temporary detour
- Excavate to design level for the preparation of concrete base
- Steel fixing for the required concrete base
- Casting of concrete base
- Supply and install precast culvert
- Installation of required reinforced steel on top of precast culvert
- Preparation of approach slab on both sides of the road
- Casting of required reinforced concrete for the approach slab.
- Installation of gabions as specified areas and erosion protection.

C3.1.3 Extent of Works

The main work items to be undertaken involves the following:

The work that is to be carried out under the contract is as provided for in the Schedule of Quantities, Drawings and project particular specifications. However, if during the course of construction conditions are found to differ from those anticipated, the Engineer reserves the right to modify the scope of the work to suit the prevailing conditions and circumstances. Variation introduced in this manner will be dealt with in accordance with the Conditions of Contract 2015.

The work to be undertaken by the Contractor includes, but is not limited to, the following:

General:

The following general items will be included in the contract:

- Site establishment and de-establishment of offices, plant and equipment.
- Site clearance
- Demolish the existing structure
- Construct temporary detour
- Excavate to design level for the preparation of concrete base
- Steel fixing for the required concrete base
- Casting of concrete base
- Supply and install precast culvert
- Installation of required reinforced steel on top of precast culvert
- Preparation of approach slab on both sides of the road
- Casting of required reinforced concrete for the approach slab.
- Installation of gabions as specified areas and erosion protection.

C3.1.4 General Information

C3.1.4.1 Accommodation of Traffic

The Contractor shall be required to accommodate traffic on the existing road near the site in order to ensure the safe movement of vehicles and pedestrians.

C3.1.4.2 Services

It is anticipated that the no services will not be affected due to the fact that they are not close to the location of bridge. However, it is the contractor's responsibility to verify the location of existing services in the area that may be affected and mitigate the risk. In the case of a disruption to services, it is the contractor's responsibility to notify the community in advance of such disruptions and the anticipated duration of the disruption to services.

Service Owner	Service Affected	Relocation

C3.1.4.3 Construction Materials

Gravel materials required for construction work are not available on the site and shall be obtained from commercial sources.

Testing of materials

The Engineer will source the nearest commercial laboratory to carry out acceptance control testing of the materials. A prime cost sum has been allowed in Section 8200 of the Schedule of Quantities for any other acceptance control testing laboratory work that may have to be carried out by the Engineer using commercial laboratory facilities.

C3.1.4.4 Drawings

All drawings necessary to complete the works are bound in Volume 2: Contract Drawings. The drawings indicating the extent of the works along the road are for tendering purpose only. The final extent of the work will be as instructed by the engineer.

Any information in the possession of the contractor that is required by the resident engineer to complete his as-built drawings shall be supplied to the resident engineer before a certificate of completion will be issued.

Only figured dimensions shall be used and drawings shall not be scaled unless so instructed by the engineer. The Engineer will supply any figured dimensions that may have been omitted from the drawings.

The levels given on the structural drawings are subject to confirmation on site, and the contractor shall submit all levels to the engineer for confirmation before commencing any structural work. The contractor shall check all clearances given on the drawings and shall inform the engineer of any discrepancies.

C3.1.4.5 Power Supply and other Services

The contractor shall make his own arrangements regarding the supply of electrical power and all other services. No direct payment will be made for the provision of electrical and other services. The cost thereof shall be deemed to be included in the rates and amounts tendered for the various items of work for which these services are required.

C3.1.4.6 Water for Construction Purposes

The contractor shall make his own arrangements regarding a suitable supply of water for the project and he must make adequate provision in his tender for all negotiations and procurement of water for construction activities and all related costs will be deemed to be included in his tendered rates.

C3.1.4.7 Construction in Confined Areas

It may be necessary for the Contractor to work within confined areas. No additional payment will be made for work done in restricted areas, except in the case of structures as described in Subclause 6108(d) of the Standard Specifications. 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.

However, the Contractor must note that measurement and payment will be in accordance with the specified cross-sections and dimensions only. This is irrespective of the method used for achieving these cross-sections and dimensions. The tendered rates and amounts shall 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 extra payment will be made nor will any claim for additional payment be considered in such cases.

C3.1.4.8 Contractor's Camp Site

Possible locations for a campsite shall be pointed out at the clarification meeting.

The Contractor shall make his own arrangements for the provision of his campsite and housing for construction personnel. The chosen site shall be subject to the approval of the Engineer, the local authorities and the Community

Liaison Officer (CLO) associated with the project.

The standard of the Contractor's camp, offices, accommodation, ablution, and other facilities must comply with the requirements of all local authority, environmental and industrial regulations concerned. In establishing and maintaining his campsite, due cognisance is to be taken of the requirements of clause B1233 of these Project Specifications.

The Contractor is to fully familiarise himself with all local by-laws and Government regulations for the employment, transport and accommodation of labour on site.

The Contractor shall particularly note that there is a low risk of theft, vandalism and damage to property in this area but adequate security will be required for all plant, establishment, temporary works and partially completed works. The Contractor shall be responsible for providing security for all plant, establishment, temporary works and partially completed works. No separate payment shall be made for the provision of such security since full compensation for these costs shall be deemed to be included in the rates for time-related obligations.

C3.1.4.9 Additional requirements for construction activities

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

C3.1.4.10 Security

The contractor shall be responsible for the security of his personnel and constructional plant on and around the site of the works and for the security of his camp. The employer shall not consider any claims in this regard. The Contractor shall also be responsible for the security of the areas around the Engineer's offices.

C3.1.4.11 Programme of the Works

In addition to any other restrictions accommodated by the Contractor in compiling the construction programme, the following constraints shall be taken into account in the preparation thereof:

- (1) Working days lost due to abnormal rainfall shall be treated as set out in clause B1215.
- (2) Allowance shall be made for special non-working days (refer to the contract data in section C1.2.2).
- (3) Construction activities must comply with all the specified environmental requirements including clause B1233 and the requirements of Part C: Environmental Management Specification contained in section C3.3 Particular Specifications.
- (4) Construction activities must comply with all the specified health and safety obligations including the requirements of Part E: OHS 1993 Health and Safety Specification contained in section C3.3 Particular Specifications.
- (5) Throughout the contract period traffic must be accommodated through the site and must not be prevented from doing so by the contractor's activities at the box culvert and pedestrian bridge.

-
- (6) Strict control of access to and from local public roads shall be required when construction vehicles, plant or equipment leave or enter the site.
 - (7) Low level crossings follow a natural stream drainage course and are founded below the water table. Access must be provided for excavations within the stream bed and along the stream banks below the water table. This will require the construction and maintenance of temporary stream diversion works and the continuous shoring and drainage of all excavations.
 - (8) Rainfall in the upstream catchment of the stream will cause the water level at low level crossing sites to rise, thereby posing a threat to all the temporary works and partially completed permanent works. Such works must therefore be adequately drained, shored and protected and any stream diversions must maximize the available channel opening. The Contractor's programme of work shall take due cognisance of these risks by limiting the duration of the exposure of the various construction elements to such natural phenomena.
 - (9) The concrete mix designs and water quality test results must be submitted to the Engineer for approval before concrete work for the structures commences. In the case of the low-level crossings, the Contractor shall therefore arrange the necessary laboratory testing immediately after commencing the contract so as not to delay the construction progress. The Contractor shall note that the necessary permission must be obtained from the Department of Water Affairs for the abstraction of water from streams and rivers.

C3.2. PROCUREMENT

C3.2.1 Preferential Procurement Procedures

C3.2.1.1 Requirements

State requirements appropriate to the methodology and procedures which are to be followed. (See Annex A of SANS 10396. Make reference to Preference Schedules, if any.

C3.2.1.2 Resource Standard Pertaining to Targeted Procurement

State the number, title, part and edition of SANS 1914 Targeted Procurement applicable to the contract and all data, variations and definitions required - e.g. definitions of targeted groups, weighting factors etc. (Refer to SANS 10396 for specific guidance)

- SANS 1914-1:2002 Targeted Construction Procurement Part 1 – Participation of Targeted Enterprises
- SANS 1914-2:2002 Targeted Construction Procurement Part 1 – Participation of Targeted Partners in Joint Ventures
- SANS 1914-3:2002 Targeted Construction Procurement Part 1 – Participation of Targeted Enterprises and Targeted Partners in Joint Ventures
- SANS 1914-4:2002 Targeted Construction Procurement Part 1 – Participation of Targeted Enterprises and Targeted Labour (local resources)
- SANS 1914-5:2002 Targeted Construction Procurement Part 1 – Participation of Targeted Labour
- SANS 1914-6:2002 Targeted Construction Procurement Part 1 – Participation of Targeted Enterprises in Concession Contracts

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C3.2.2 Subcontracting

C3.2.2.1 Scope of Mandatory Subcontract Works

There is a mandatory subcontract work in this contract. Contractors are however encouraged to maximise the usage of local labour and suppliers.

C3.2.2.2 Preferred Subcontractors / Suppliers

Contractors are encouraged to use subcontractors and suppliers that are registered on Okhahlamba Municipality database.

C3.2.2.3 Subcontracting Procedures

Any work to be subcontracted must be indicated in the returnable schedules. Should such work only be identified on site, request to subcontract must be sent to the Engineer for approval.

C3.2.3 Construction

C3.2.3.1 Works Specifications

C3.2.3.2 Applicable SANS 2001 Standards

COLTO Standard Specification for Road and Bridge Works for State Authorities 1998 (Green Book) for Civil Engineering Construction.

C3.2.3.2.1 Applicable Technical Recommendations for Highways (TRH)

- TRH 14 Guidelines for Road Construction Materials
- TRH 20 The Structural Design, Construction and Maintenance of Unpaved Roads

C3.2.3.2.2 Applicable Technical Methods For Highways (TMH)

- TMH 1 Standard Methods for Road Construction Materials
- TMH 5 Sampling Methods for Road Construction Materials
- TMH 6 Special Methods for Testing Roads
- TMH 10 Manual for the Completion of As-Built Materials Data Sheets
- TMH 11 Standard Survey Methods

C3.2.3.3 Particular Specifications

Refer to Annex C3.4.

C3.2.3.4 Certification by Recognised Bodies

Certified by the CIDB

C3.2.4 Plant and Materials

C3.2.4.1 Plant and Materials Supplied by the Employer

None

C3.2.4.2 Materials, Samples and Shop Drawings

All materials are to be tested by a commercial laboratory as directed by the Engineer. Construction needs to be carried out according to the Construction Drawings.

C3.2.5 Construction Equipment

C3.2.5.1 Requirements for Equipment

The Contractor is required to use plant and equipment that is sufficient for the construction of roads and the ancillary works.

C3.2.5.2 Equipment Provided by the Employer

None

C3.2.6 Existing Services

C3.2.6.1 Known Services

All known services are shown on the Construction Drawings. The onus still lies with the main contractor to ensure that no services are damaged during the construction phase.

C3.2.6.2 Treatment of Existing Services

It is not envisaged that any of the existing services requires temporary or permanent relocation. Special care should be taken working underneath overhead lines.

C3.2.6.3 Use of Detection Equipment for the Location of Underground Services

None

C3.2.6.4 Damage To Services

It is the responsibility of the contractor to ensure that no services are damaged during the construction process. In case the known services indicated on the drawings are damaged, the main contractor shall be responsible for the repair off the services to the original state before it was damaged, as well as all cost associated with the damaged service.

C3.2.7 Site Establishment

C3.2.7.1 Services and Facilities Provided by the Employer

None

C3.2.7.2 Facilities Provided by the Contractor

The onus lies with the main contractor to find a suitable camp site, approved by the Engineer. The main contractor is also responsible for the rehabilitation of the area to its original state on completion of the works.

C3.2.7.3 Storage And Laboratory Facilities

No requirements are specified. A commercial laboratory will be utilised.

C3.2.7.4 Other Facilities and Services

No requirements are specified.

C3.2.7.5 Vehicles and Equipment

No requirements are specified.

C3.2.7.6 Advertising Rights

It is the main contractor's responsibility that no suppliers advertise on site. Any advertisement from suppliers shall be removed at the cost of the main contractor.

C3.2.7.7 Notice Boards

The main contractor is allowed to place a Notice board on site. The maximum allowed size of this board should be 2 x 2m

C3.2.8 Site Usage

The contractors are not allowed to work outside the allowed working hours, as agreed with the Engineer. The disturbance to the residence should be kept at a minimum.

C3.2.9 Permits and Way Leaves

No requirements are specified.

C3.2.10 Water for Construction Purposes

The onus lies with the main contractor to source and pay for construction water. The quality of the construction water should be as specified is COLTO.

C3.2.11 Survey Control and Setting Out of the Works

The setting out bench marks is provided by the Employer. It is the contractor's responsibility to ensure that the setting out bench marks is correct and to use these bench marks for setting out.

C3.3. ANNEXES

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C3.3.2 Health and Safety Specifications	169
C3.3.3 Construction Environmental Management Plan	189
C5.1 Drawings	213

C3.3.1 Variations and Additions to Requirements of Standardised COLTO

Notes to tenderer:

1. In certain clauses the Standard Specifications allow a choice to be specified in the project specifications between alternative materials or methods of construction and for additional requirements to be specified to suit a particular contract. Details of such alternatives or additional requirements applicable to this contract are contained in this part of the project specifications. It also contains some additional specifications required for this particular contract.
2. The number of each clause and each payment item in this part of the project specifications consists of the prefix B followed by a number corresponding to the number of the relevant clause or payment item in the standard specifications. The number of a new clause or a new payment item which does not form part of a clause or a payment item in the standard specifications and which is included here, is also prefixed by B followed by a new number. The new numbers follow on the last clause or item number used in the relevant section of the standard specifications.
3. The tenderer shall note that the standard COLTO specification is based on the COLTO General Conditions of Contract. References to specific COLTO General Conditions of Contract clauses will need to be exchanged for the equivalent clause in the General Conditions of Contract as amended by the Particular Conditions of Contract to be found in Part C1 of this document. The employer assumes no responsibility for the contractor's interpretation of which are the correct relevant clauses.

COLTO SERIES 1000: GENERAL

B1100: DEFINITIONS AND TERMS

B1155 WORK IN RESTRICTED AREAS

Add the following:

“Any omission of pay items from the pricing schedule with regard to additional or extra over payment for work in restricted areas should be regarded as deliberate and any additional cost incurred shall be included in the bulk rate. (Refer also to clause B1209(g))”

SECTION B1200: GENERAL REQUIREMENTS AND PROVISIONS

B1202 SERVICES

Add the following first paragraph:

“All reference to services in this clause shall mean utility services.”

In the final paragraph delete the second and third sentences starting with ‘Should’ and replace with the following:

“Table B1202/1 lists all known services on the site. Those requiring removal, realignment or temporary replacement are indicated with an asterisk. However, before any work can commence the contractor shall verify the actual position of each station and bring to the attention of the Engineer any service that is not recorded. As the contractor is not authorised to remove or replace these facilities he shall:

- i) Give preliminary notice, in writing to the relevant service provider, that the services on the site will require removal or protection prior to works being carried out in the vicinity of each station. The contractor shall advise the service provider of
 - a) The number of services, their locations and station ID numbers and
 - b) The proposed dates when work will commence in the vicinity of each service.
- ii) In addition to the above preliminary notice, give the service provider 14 days written notice of the intention to commence work in the vicinity of each facility.
- iii) Upon completion of the work in the vicinity of each facility, the contractor shall notify the service provider, in writing, that work is complete and the service may be reinstated.

Any delay resulting from the removal/replacement of a service shall not be the subject of a potential claim, unless the contractor can demonstrate that every effort has been made to timeously request and/or apply for the removal/replacement of the said service. In addition, the contractor shall be deemed to have employed the services of the service provider as a subcontractor for purposes of removing and/or replacing the relevant service.

TABLE B1202/1: LIST OF KNOWN SERVICES

SV	SERVICE TYPE	IDENTITY	Service Level from Survey (m)	Final Road Level (m)	Height Above Final Road Level (m)	ACTION REQUIRED
	No known services					

Any cost of repairs, replacement and/or installation of the stations and equipment resulting from the contractor's negligence or unauthorised action shall be to the contractor's account."

B1204 PROGRAMME OF WORK

a) General requirements

Add the following as a continuation of the first paragraph:

"In drawing up the programme the contractor shall make allowance for the following:

- i) All special non-working days defined in C1.2.1 and C1.2.2 in the Contract Data.
- ii) The expected delays defined in B1215: Extension of time resulting from inclement weather.
- iii) The following embargo hours and days: The Contractor shall be required to programme the works such that the entire length of this section of the road shall be open to two-way traffic without a step in level during the annual December / January shutdown period. The aforementioned embargo will also apply the Thursday immediately preceding Good Friday.

This initial indicative programme shall realistically account for the forecast cash flow within the defined contract period, and as provided on Form 7: Schedule of Estimated Monthly Expenditure. If an alternative contract period is offered, the contractor shall submit a separate programme with the alternative tender.

b) Programme of work for construction work

Insert the following after the first sentence of the second paragraph:

"The programme shall include the following details:

- i) A work breakdown structure that identifies all major activities.
- ii) Scheduled start and end dates for each activity.
- iii) Linkages between activities that clearly identify sequence, floats and critical path.
- iv) Intended working hours and resource allocations (plant and labour).
- v) Monthly cash flow projections.
- vi) Key dates in respect of information required or due delivery."

Add the following sub-clause:

"c) Programme revisions

The programme will be reviewed at the monthly site meetings at which the contractor shall provide sufficient detail that will allow the comparison of completed work per activity against the original approved programme. The contractor shall indicate what resources and programme changes he intends to implement in order to remedy any activity that has fallen behind. The Engineer may demand from the contractor a major revision of the programme. Such a revision shall be submitted for approval within fourteen days of the demand."

B1205 WORKMANSHIP AND QUALITY CONTROL

Add the following after the title:

"The contractor shall implement a quality assurance system in accordance with ISO 9002 and appoint a quality manager who shall ensure that members of the contractor's staff comply with the requirements of the quality system. The quality system and the methods used to implement it shall be described in a quality plan produced by the contractor.

The quality manager shall be resident on site full time. No construction activities shall take place on site before the Engineer approves the quality plan".

Delete the second, third, fourth and fifth paragraphs and replace with the following:

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

As the Contractor’s process control will be used for acceptance purposes, the minimum intensity and type of the control testing shall be as stipulated in Section 8200 (scheme 1), Table 8206/3 as amended herein. In **addition** to the sampling and testing specified in Section 8200, the following minimum sampling and testing shall be carried out:

Table B1205 – MINIMUM SAMPLING AND TESTING FREQUENCIES

COMPONENT	PROPERTY	MINIMUM SAMPLES AND TESTS PER LOT
Roadbed preparation and Fill layers	Grading & Indicator	4
	Mod AASHTO maximum density determination ¹	4
	CBR	4
Selected Layers	Grading & Indicator	4
	Relative Compaction (Nuclear density) *2	6
	Mod AASHTO maximum density determination*1	4
	CBR	4
Sub-base Layer	Grading & Indicator	4
	Relative Compaction (Nuclear density) *2	6
	Mod AASHTO maximum density determination*1	4
	CBR	4
Gravel wearing course	Grading & Indicator	4
	Relative Compaction (Nuclear density) *2	6
	Mod AASHTO maximum density determination*1	4
	CBR	4
Concrete for structures	Cement content	1
	Slump test	1
	Cube strength	1

*1 The determination of Mod AASHTO maximum density can be relaxed to 1 determination per 4 density tests if, in the opinion of the Engineer, the material is found to be acceptably uniform in terms of MDD and OMC.

*2 The minimum frequency is six tests in total, not six tests in addition to the four tests as Specified in Table 8206/3.”

B1206 THE SETTING OUT OF WORK AND PROTECTION OF BEACONS

Replace “clause 14” in the first paragraph with “clause 4.7”

Add the following at the end of the fourth paragraph:

“Road markings are also elements of the road that require proper setting out. The contractor shall prove to the Engineer that critical reference points have been satisfactorily recorded for later reinstallation before any work commences that will obliterate the existing markings.”

Delete “and of clause 14 of the general conditions of contract” in the sixth paragraph.

Add the following paragraph:

“The contractor shall take care that property beacons, trigonometrical survey beacons or setting-out beacons

are not displaced or destroyed without the consent of the Engineer. Property beacons and trigonometrical survey beacons that have been displaced or destroyed shall be replaced by a registered land surveyor, who shall certify such replacement.

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

Add the following paragraphs:

"Prior to starting construction activities, the Contractor shall satisfy himself as to the accuracy of the Benchmarks placed by the Engineer. If he finds the Benchmarks to be correct, he shall submit a signed certificate to the Engineer confirming this. Any suspected fault or discrepancy shall be immediately communicated to the Engineer in writing. Five (5) working days shall then be allowed for the Engineer to investigate and correct the matter and no claim for delays or any other costs will be permitted provided that the Engineer responds with a written solution within the said period of five working days.

Before any construction work commences the Contractor shall undertake his own digital terrain model (DTM) tachometric survey of the site for comparison with the Engineer's survey. The survey must be undertaken on existing ground lines i.e. prior to undertaking any clearing and grubbing or top soil removal.

The survey data is to be submitted to the Engineer and the resulting final ground model, culminating from the comparison of both surveys, shall then be agreed in writing between the Contractor and the Engineer within seven (7) days of the submission date. This final ground model shall be used for the purposes of construction and the computation of quantities.

Should the Contractor fail to undertake the DTM survey as described above, the Engineer's shall be entitled to base all measurement on his own ground model for the computation of quantities."

B1207 NOTICES, SIGNS AND ADVERTISEMENTS

Remove this part of the sentence from the first paragraph

"... or as approved advertisements for the contractor's establishment."

Delete the third paragraph and replace with the following:

"All signboards erected in accordance with the drawings shall be removed at the same time as the disestablishment of the contractor's camp. Payment under subitem 13.01 for the final instalment of 15% of the tendered lump sum shall not be made unless all the advertisements, notices and temporary signs have been removed. A typical signboard layout is shown in the Tender Drawings"

B1209 PAYMENT

(b) Rates to be inclusive

Add the following to the first paragraph:

"VAT shall be excluded from the rates."

(g) Work in confined areas

Except where provided for in the specification and the Pricing Schedule no extra payment shall be made nor shall any claim for additional payment be considered for construction in confined areas. The omission of standard pay items from the schedule of quantities shall be taken to be deliberate and any additional costs incurred shall be included in the bulk rate."

B1210 CERTIFICATE OF PRACTICAL COMPLETION OF THE WORKS

Add the following paragraphs after item (h):

"Notwithstanding that there might be natural or programmed sections of the works that will result in them being completed in their entirety before other sections, no consideration shall be given to the issuing of

practical completion certificates for portions of the works. The use of any completed roadway or portions of the work, whether for unhindered use by the public or for accommodation of traffic while other portions are being constructed, shall not constitute use or occupation by the Employer.

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

- (i) The estimated cost to complete the outstanding work is less than 2% of the tendered value of work plus the cost of any variation or extra work orders, but excluding VAT.
- (ii) The written list of outstanding items of work can be completed within 28 days of the list having been accepted in writing by the contractor.
- (iii) Any information in the contractor's possession, which is required by the Engineer and has been requested in writing, has been supplied."

The contents of this clause 1210 of the COLTO Standard Specifications, together with the above amendment, shall apply equally to the issue of a Certificate of Completion.

B1214 CONTRACTOR'S ACTIVITIES IN RESPECT OF PROPERTY OUTSIDE THE ROAD RESERVE AND OF SERVICES MOVED, DAMAGED OR ALTERED

Under sub-clause (e) replace the opening paragraph with:

"Should the contractor use land not provided by the Employer for the purpose of his own establishment, Engineer's offices or storing of equipment or materials required for construction or disposal, it shall be subject to the following:"

and add the following sub-sub-clauses:

- "(vi) That lease agreements are concluded with the owner or owners of such land for the full period that such areas are required. The leases shall provide for possible extensions to match the duration of the contract. The lease agreements shall also provide for the contract being terminated by contractor's default or liquidation and the resulting possibility for them to be taken over by a succeeding contractor.
- (vii) That copies of lease agreements shall be submitted to the Engineer prior to signature by the signing parties, and copies lodged with the Engineer after signing. Notwithstanding the Engineer's approval of the conditions of a lease the contractor shall be solely responsible for adherence to the terms of the agreements.
- (viii) Adherence to the principles of the environmental management plan and legal obligations".

B1215 EXTENSION OF TIME RESULTING FROM INCLEMENT WEATHER

Change the existing heading of clause 1215 to read as above and wherever the expression 'abnormal rainfall' or 'rainy weather' is encountered replace it with 'inclement weather'.

In the 1st line of the 1st paragraph change 'clause 45' to read 'sub-clause 8.4'

Make the following changes to Method (ii) (Critical-path method):

In line six of the second paragraph delete 'five-day working week' and replace with '23-day working month',

and:

Add the following final paragraphs:

"Extension of time resulting from rainfall or other forms of inclement weather shall be calculated according to

the requirements of Method (ii) (Critical-path method). The 'n' value of working days, as specified in this clause as being expected delays for which the contractor must make allowance in his programme, have been indicated in Clause 5.12.22 of the Contract Data.

The number of rain-related delays is the average number of days on which (10mm) of rain or more has been measured by the weather station at Richards Bay over the last four (4) years.

Other inclement weather delays for which the contractor must make allowance in his programme have been derived from previous experience of wind and temperature influence on similar construction in the area of the site. Actual extensions of time due to inclement weather shall be agreed between the Engineer's and contractor's representatives on the site. The agreed whole days or parts thereof shall be recorded at the monthly site meetings. Adjustment to the contract period shall only be made at the end of the contract when the contractor may submit its claim for the agreed extension due as well as any additional payment resulting from the delay. Extension caused by inclement weather delays will only accrue once the agreed cumulative delays exceed 58 days.

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

B1219 WATER

Add the following:

"Water for use on site other than municipal, shall be subject to the required permit from DWAF. This shall include such extraction points as rivers, dams, streams, and boreholes".

TABLE B1219: WATER CLASSIFICATION FOR CONSTRUCTION TESTING

		Water Quality Classification Code						
		H0	H1	H2	H3	H4	H5	
Property	Unit	Pure water (AR)	Clean water (Rain)	Treated water (Municipal)	Silty (muddy) water with low salt content	Highly mineralised chloride sulphate water (brackish)	Waste brack, sewage, marsh, sea, etc water	Method
PH*	-	7.0	5.7 – 7.9	4.5 – 6.5	4.5 – 8.5	9.0	-	SABS M113 SM 11 - 1990
Dissolved solids*	ppm	0	1000	1500	3000	-	-	SABS 213 SM213 - 1990
Total hardness*	-	None	None	Temporary	Temporary	Permanent	-	SABS 215 SM 215 – 1971
Suspended matter	ppm	0	2000	2000	5000	-	-	SABS 1049 SM 1049 – 1990
Electrical conductivity	mS /m	0	200	200	500	-	-	SABS 1057 SM 1057 – 1982
Sulphates (SO4)	ppm	0	200	300	500	1000	-	SABS 212 SM 212 –

		Water Quality Classification Code						
		H0	H1	H2	H3	H4	H5	
								1971
Chlorides (Cl)	ppm	0	500	1000	3000	5000	-	SABS 202 SM 202 – 1983
Alkali Carbonates (CO ₃) & Bicarbonates (HCO ₃)	ppm	0	500	1000	1000	2000	-	SABS 241 – 1999
Sugar	-	Negative	Negative	Negative	Negative	Negative	-	SABS 833
Quality of water required	Untreated layer works		☐	☐	☐	☐	Investigate the effect on the quality of the material	
	Chemically treated layer works		☐	☐	☐	Investigate the effect on the quality of the material		
	Concrete mass		☐	☐	☐	Investigate the effect on the quality of the material		
	Concrete prestressed		☐	☐	References: 1. Concrete Technology – Dr S Fulton (1989) 2. Materials Manual (PAWC)			
	Slurry & emulsion		☐	☐				
	Soil/gravel tests		☐	☐				
	Chemical or control tests		☐	☐				

- A primary property. The quality of the water is that quality where all three of the primary properties are within the limits.
- The tabulated single values are maximum value except in the case of the pH value for pure water, which must be 7.0

B1229 SANS CEMENT SPECIFICATIONS

Add the following to this clause:

“Where reference is made in this specification or the standard specifications to the cement specifications, e.g. SANS 471: Portland cement and rapid hardening Portland cement, it shall be replaced with the new specification:

SANS 50197-1: 2000: Cement compositions, specifications and conformity criteria Part 1: Common cements.

B1230 MATERIALS

The contractor, when using materials that are required to comply with any standard specification, shall, if so ordered, furnish the Engineer with certificates showing that the materials do so comply.

Where so specified, materials shall bear the official mark of the appropriate authority. Samples ordered or specified shall be delivered to the Engineer's office on the site free of charge.

Where materials are specified under trade names tenders must be based on these materials. Alternative materials may be submitted as alternative tenders and the Engineer may, after receipt of tenders, approve the use of equivalent materials. The tender must be clearly marked as an alternative tender, failing which the tender may be rejected.

Unless otherwise specified, all proprietary materials shall be used and placed in strict accordance with the relevant manufacturer's current published instructions.

Unless anything to the contrary is specified, all manufactured articles or materials supplied by the contractor for the permanent works shall be unused.

Earth, stone, gravel, sand, and all other materials excavated or present on the site or within the road reserve, or in borrow areas shall not become the property of the contractor, but will be at his disposal only in so far as they are approved for use on the contract.

Existing structures on the site shall remain the property of the employer and except as and to the extent required elsewhere in the contract, shall not be interfered with by the contractor in any way.

Materials to be included in the works shall not be damaged in any way and, should they be damaged on delivery or by the contractor during handling, transportation, storage, installation or testing they shall be replaced by the contractor at his own expense.

All places where materials are being manufactured or obtained for use in the works, and all the processes in their entirety connected therewith shall be open to inspection by the Engineer (or other persons authorised by the Engineer) at all reasonable times, and the Engineer shall be at liberty to suspend any portion of work which is not being executed in conformity with these specifications.

The contractor shall satisfy himself that any quarry selected for use provides the necessary mined material in accordance with the specification.

B1231 MEASUREMENT AND PAYMENT

Add the following new payment items

Item	Unit
B12.01 Relocation and protection of existing services	
(a) Provisional sum for existing services to be relocated and / or protected during construction.....	provisional sum
(b) Handling cost and profit in respect of subitem.....	percentage (%)

B12.01(a) above

Expenditure under this item shall be made in accordance with Clause 6.6 of the General Conditions of Contract 2015.

The tendered percentage is a percentage of the amount of expenditure approved by the Engineer under subitem B12.01(a), and shall include full compensation for the handling costs of the Contractor and the profit in connection with the relocation and / or protection of the relevant services.

Item	Unit
B12.02 Construction of new survey beacons and protection of existing survey beacons	
(a) Provisional sum for new survey beacons to be constructed or for existing survey beacons to be protected during construction.....	provisional sum
(b) Handling cost and profit in respect of subitem B12.02(a) above.....	percentage (%)

Expenditure under this item shall be made in accordance with Clause 6.6 of the General Conditions of Contract 2015.

The tendered percentage is a percentage of the amount of expenditure approved by the Engineer under subitem B12.02(a), and shall include full compensation for the handling costs of the Contractor and the profit in connection with the construction of new survey beacons or the protection of existing survey beacons."

Item	Unit
B12.03 Provision of a Community Liaison Officer	
(a) Wages, salary, allowances, etc.....	provisional sum
(b) Handling cost and profit in respect of subitem B12.03(a) above.....	percentage (%)

Expenditure under this item shall be made in accordance with Clause 6.6 of the General Conditions of Contract 2015.

The tendered percentage is a percentage of the amount of expenditure approved by the Engineer under subitem B12.03(a) and shall include full compensation for the handling costs of the Contractor and the profit in connection with the provision of a Community Liaison Officer."

Item	Unit
B12.04	Training
(a)	Appointment of one local trainee student for the duration of the contract. provisional sum
(b)	Handling cost and profit in respect of subitem B12.04(a) above..... percentage (%)

Expenditure under this item shall be made in accordance with Clause 6.6 of the General Conditions of Contract 2015.

The tendered percentage is a percentage of the amount of expenditure approved by the Engineer under subitem B12.04(a), and shall include full compensation for the handling costs of the Contractor and the profit in connection with any additional survey required by the engineer.

B1300: CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS

B1303 PAYMENT

Add the following at the start of clause 1303:

"All references in clause 1303 to the final value of the work increasing or decreasing by "twenty (20) per cent" in terms of the COLTO general conditions of contract shall be read as increasing or decreasing by "fifteen (15) per cent" in terms of the General Conditions of Contract 2015.

Separate provision has been made in the Schedule of Quantities for the pricing of the Contractor's general obligations with regard to Health and Safety, and for the provision of the key personnel comprising the Site Agent and the surveyor."

Refer to the second sentence of the fourth last paragraph of Clause 1303, page 1300-2 of the COLTO Standard Specifications and delete the words "from the date on which the contractor has received the letter of acceptance in terms of Clause 12 of the General Conditions of Contract" and replace these words with the following:

"from the Commencement Date in terms of Clause 5.2.1 of the General Conditions of Contract (2015)."

Add the following at the end of clause 1303:

"The amount payable to the Contractor for time-related obligations arising from extensions of time granted by the Employer, where the Contractor is fairly entitled to such compensation in terms of Clause 5.12 of the General Conditions of Contract 2015, shall be calculated as follows:

- (i) The Contractor shall apply for the extension of time in terms of the number of working days delay incurred.
- (ii) The number of working days extension of time finally granted shall then be added to the contract by the Employer, commencing on the first working day after the day of the original completion date. Special non-working days as defined in the contract data shall not be counted as working days in calculating the extended completion date.
- (iii) The number of calendar days extension of time granted from the original completion date to the extended completion date as calculated in (ii) above shall then be calculated, commencing on the first calendar day after the day of the original completion date.

The following formula shall then be used to calculate the number of months extension of time granted:

$$\text{No. of months extension of time granted} = \left[\frac{\text{No. of calendar days extension of time granted}}{365} \right] \times 12$$

- (iv) The number of months extension of time granted calculated as in (iii) above shall be the number of additional months measured for payment for time-related obligations under item 13.01(c) as a result of the extensions of time granted.

Note: The number of months extension of time granted calculated as in (iii) above shall also be included in the measurement of any other items scheduled under Sections 1300, 1400, 1500 or elsewhere in the Schedule of Quantities that involve the unit of measurement "month" and that were provided on site for the full duration of the extended period. Where such items were provided for a portion of the extended period only, a pro rata payment shall be made, based on the number of calendar days the item was provided on site after the original completion date divided by the number of calendar days as calculated in (iii) above for the extension of time granted."

Add the following new pay items at the end of clause 1303:

Item	Unit
B13.02 Health and Safety:	
(a) Fixed obligations for the preparation of risk assessments, safe work procedures, the project Health & Safety file, the Health & Safety plan and any other Health & Safety matters that the Contractor deems necessary lump sum (Sum) and checking, the project H & S file, etc.	Sum
(b) Fixed obligations for completing and checking the Project Health & Safety file and handing it over to the Employer on completion of the Works.	Sum
(c) Time-related obligations for updating and amending the risk assessments, the safe work procedures, the project Health & Safety file and the Health & Safety plan, and for full compliance with all Health & Safety matters during the construction of the Works under the contract	Month

Payment of the lump sums bid under sub-items B13.02(a) and sub-item B13.02(b) and the rate per month for sub item B13.02(c) shall, for the three sub-items together, include full compensation for all the Contractor's costs in respect of compliance with the OHS Act and Construction Regulations.

Payment of each of the lump sums bid under sub-items B13.02(a) and sub-item B13.02(b) shall be made in three instalments as specified for the payment of the lump sum bid under sub-item 13.01(a) and sub-item B13.02(b).

The bid rate for sub-item B13.02(c) shall be paid as specified for the payment of the bid rate for sub item 13.01 (c).

Item	Unit
B13.03 Compensation for Environmental Control:	
(a) Environmental Control Officer provided by the Contract	Month
(b) EMP requirements for the Contract	Month

Expenditure under this item shall be made in accordance with Clause 6.6 of the General Conditions of Contract 2015.

The tendered percentage is the percentage of the amount of expenditure approved by the Engineer under sub-item B13.03(a) and sub-item B13.03(B), and shall include full compensation for the handling costs of the Contractor and the profit in connection with the management duties.

Item	Unit
B13.04 Contract signboards	Number (No)

The unit of measurement shall be the number of contract signboards erected as instructed by the Engineer.

The bid rate shall include full compensation for providing and erecting each contract signboard complete (refer to the typical signboard face detail shown in Section C4.2), including for timber poles and fixings, excavation and backfill, and for dismantling and removing the signboard structures and reinstating the signboard area on completion."

B1500: ACCOMMODATION OF TRAFFIC

B1501 SCOPE

Add the following:

“It is a condition of this contract that traffic is accommodated taking into account the provisions of the latest edition of the South African Road Traffic Signs Manual (SARTSM). The latest version for use in the accommodation of traffic is volume 2, chapter 13 of the June 1999 edition. Copies of this publication are available from Government Printers –Tel: (012) 334 4508/9 or (012) 3344510 Fax: (012) 323 0009.

This section also covers the provision of additional information signs for motorists and the release of any notices to the media and public.”

B1502 GENERAL REQUIREMENTS

(a) Safety

Add the following:

“The contractor shall be responsible for maintaining the existing road surface both within the works area and the advance warning and termination areas in a safe and trafficable condition for the duration of the contract.”

(f) Approval of temporary deviations

Add the following:

“If, after any temporary deviation has been constructed, any changes are considered necessary or desirable, the proposal shall be submitted to the Engineer for his approval.”

(i) Traffic Safety Officer

Add the following to the end of the second paragraph:

“The contractor shall submit a CV of the candidate to the Engineer for approval before the candidate is appointed as the traffic safety officer. “

Insert the following as the opening phrase to sub-sub-clause (i):

“make himself available to discuss road safety and traffic accommodation matters whenever required by the Engineer and shall be responsible...”

Delete sub-sub-clauses (ii) and (iii) and replace with the following:

“(ii) Record on neat and dimensioned sketches and submit to the Engineer the position and sign reference number, where applicable, of each sign, barricade, delineator, cone, guardrail and permanent or temporary painted road marking feature (Only the relevant measurements). The position of each shall be adequately referenced from the marker boards or other surveyed points on the site of the works.

These records shall also show the date and time at which the recorded traffic accommodation features are certified correct by the traffic safety officer, and shall be signed by the traffic safety officer before being submitted to the Engineer.

The records shall similarly account for whatever changes are made in the field. Such changes shall record the position of flagmen and stop/go control men and their associated traffic accommodation equipment wherever they are used.

- (iii) Personally inspect the position and condition of each traffic accommodation feature on the whole site of works twice each day by 9h30 and by 16h30, to record all irregularities discovered and the remedial action taken, and to sign off as correct and submit to the Engineer such record sheets by midday of the next working day. The traffic safety officer shall keep a duplicate book for this specific purpose.

The traffic safety officer shall also submit with this report the daily labour returns of flagmen, stop/go and traffic signal control men employed.”

Add the following sub-sub-clauses:

- “(ix) The traffic safety officer shall be equipped with a cellular telephone and shall have a vehicle and sufficient labour at his disposal 24 hours a day, including all prescribed non-working days, and shall not be utilised for other duties. He shall be directly answerable to the contractor’s site agent. The traffic safety vehicle shall be a truck with a capacity of 3 tons.

The vehicle shall also be equipped with an amber-coloured flashing light of the rotating parabolic reflector type with a minimum intensity of 100. The warning light shall be switched on at all times and the sign shall be displayed when the vehicle is used on site.

The traffic safety officer shall have a direct line of communication at all times with the police and traffic officers responsible for the area within limits of the contract. The provision of the road safety vehicle, driver, labourers and the cost of the cellular telephone shall be deemed to be included in the rates tendered for the contractor’s establishment on site.

- (x) Ensure that all obstructions related to the contractor’s activities be removed before nightfall where applicable as instructed by the Engineer and that the roads are safe for night traffic.
- (xi) The traffic safety officer shall, in addition to the duties listed in paragraph 1502(i), also be responsible for the removal of broken-down vehicles off the roadway and implementing actions requested by the traffic authorities with regard to the work to be carried out, be responsible for the erection and maintenance of all traffic signs necessary for the accommodation of traffic.
- (xii) In the advent of an accident the traffic officer shall record in a written report the details of the accident, record the position of all temporary road signs, barricades, delineators, flagmen and any other devices used for traffic accommodation. In addition, the report shall include a neat dimensional sketch, photographs, identifiable permanent features, and any other relevant information.”

Add the following sub-clauses:

- “(j) **“U” turns**

No vehicle or item of equipment shall be allowed to make “U” turns under any circumstances.

- (k) **Site personnel**

The contractor shall ensure that all his personnel, excluding those who are permanently office bound, are equipped with reflective safety jackets and that these are worn at all times when working on or near to the travelled way. Any person found not wearing a reflective jacket under these circumstances shall be removed from the site until such time as he is in possession of and wearing a reflective jacket. Reflective safety jackets shall be kept in good condition and any jackets that are, in the opinion of the Engineer, ineffective shall be immediately replaced by the contractor.

- (l) **Failure to comply with provisions**

Failure or refusal on the part of the contractor to take the necessary steps to ensure the safety and convenience of the travelling public, accommodation of traffic, plant and personnel in accordance with these specifications or as required by statutory authorities or ordered by the Engineer, shall be sufficient cause for the Engineer to apply penalties as follows:

A fixed penalty of R2 500.00 per occurrence shall be deducted for each and every occurrence of non-compliance with any of the requirements of section 1500 of the standard specifications and section B1500 of the project specifications.

In addition, a time-related penalty of R500,00 per hour over and above the fixed penalty shall be deducted for non-compliance to rectify any defects in the accommodation of traffic within the allowable time after the Engineer has given an instruction to this effect. The Engineer's instruction shall state the allowable time, which shall be the time in hours for reinstatement of the defects. Should the contractor fail to adhere to this instruction, the time-related penalty shall be applied from the time the instruction was given."

B1503 TEMPORARY TRAFFIC-CONTROL FACILITIES

Replace the first sentence of the first paragraph with the following:

"The contractor shall provide, erect and maintain the necessary traffic-control devices, road signs, canalisation devices, barricades, warning devices and road markings (hereinafter referred to as traffic-control devices) in accordance with these special provisions and as shown on the drawings and in the SARTSM and remove them when no longer required. It shall be incumbent upon the contractor to see to it that the abovementioned traffic-control devices are present where required at all times and are functioning properly."

Replace the third paragraph with the following:

"The type of construction, spacing and placement of traffic-control devices shall be in accordance with the SARTSM. The recommended arrangements of the traffic control devices illustrated and/or drawings issued by the Engineer shall not be departed from without prior approval of the Engineer. The arrangements expected to be most commonly used in the contract are given on the tender drawings.

The details shown for spacing and placement of traffic-control facilities may however, be revised at the discretion of the Engineer were deemed necessary to accommodate local site geometry and traffic conditions."

(b) Road signs and barricades

Add the following:

"The contractor shall be responsible for the protection and maintenance of all signs, and shall at his own cost replace any that have been damaged, lost, or stolen.

All temporary road signs required to remain in position for some time shall be pole mounted as shown on the drawings. All temporary road signs required to be moved more often shall be mounted on portable supports for the easy moving of signs to temporary positions. The only permitted method of ballasting the sign supports shall consist of durable sandbags filled with sand of adequate mass to prevent signs from being blown over by wind. The cost of the sandbags shall be included in the tendered rates for the various types of temporary road signs."

(e) Warning devices

Add the following:

"All construction vehicles and plant used on the works shall be equipped with rotating amber flashing lights and warning boards as specified. All vehicles and plant before being allowed onto the site shall obtain a clearance permit from the Engineer.

(i) Vehicle mounted flashing lights

Rotating lights shall have an amber lens of minimum height of 200mm and shall be mounted in such a way as to be highly visible from all directions. The lights on construction vehicles shall not be switched on while vehicles are being operated on unrestricted sections of a public road, but shall be switched on while construction vehicles are operating within the accommodation of traffic area, as the vehicles decelerate to enter a construction area, and as the vehicles accelerate to the general speed when entering the road from a construction

area. Lights on plant shall operate continuously while the plant is working alongside sections of road open to public traffic

All LDV's and cars operating on site shall also be equipped with rotating amber flashing lights which shall be placed so as to be highly visible and operated continuously while the vehicles are manoeuvring in or out of traffic or are travelling or parked alongside roads open to public traffic.

Rotating lights and the "construction vehicle" signs on the contractor's vehicles and plant shall not be paid for separately but shall be included in the rates covering the use of the vehicles.

The contractor shall apply and maintain lights together with temporary mounting brackets, to the approval of the Engineer. Vehicles and plant that do not comply with these requirements shall be removed from the site."

Add the following sub-clauses:

“(g) Other traffic control measures ordered by the Engineer

The Engineer may instruct the contractor to provide any other road sign, reflective tape, etc. not measured in standard pay items. Such road signs shall conform to the requirements of the SARTSM, or specification provided by the Engineer. Similarly, in order to ensure that the travelling public is kept fully informed and warned on matters relating to the accommodation of traffic, construction sign posting and the effect of the construction on the free flow of traffic through the site, the Engineer may arrange for advertising in the press and/or for other forms of publicity.

(h) Flagmen

Flagmen shall be provided where shown on the drawings or required by the specification. During the daytime, at least two flagmen shall be provided at each traffic control point. At night time only one roving flagman equipped with a Stromberg Lightman xenon strobe, or similar approved, and a torch is required at each traffic control point as well as the traffic light operator. Where the shoulder of the road is closed to traffic, a flagman shall be provided at the leading end of the closure during daytime. No flagman shall be on duty for a period of more than 10 hours per day.

Flagmen shall be adequately trained in the standard flagging techniques as described in the SARTSM (refer to figure 13.23 of detail 13.23.1) and be provided with conspicuous clothing such as safety jackets utilizing retro-reflective and/or fluorescent panels in red, yellow and/or white.

Flagmen shall have in their possession, at all times, certification that they have attended and passed an accredited course in flagging techniques before being allowed onto the construction site.

Flags shall be made from bright red or red-orange material and shall be square with a minimum side length of 600mm. The flag shall be attached to a staff at least 1,0m in length.

In terms of lateral clearance and safety, flagmen shall stand on the shoulder of the lane of traffic that is being controlled and under no circumstances shall flagmen be permitted to stand within the traffic lane. In order to obtain maximum visual impact for the travelling public, flagmen shall stand-alone

B1600: OVERHAUL

B1602 DEFINITIONS

(b) Overhaul

Replace the sub-clause with:

“Payment shall only be made for material hauled in excess of 1 kilometre. Overhaul shall be measured as the product of the volume of material hauled and the overhauled distance.

Add the following to the end of sub-clause 1602(a):

“Overhaul shall not be measured separately for payment for materials obtained from commercial sources, and the rates bid for such materials shall be fully inclusive of all haul required.”

(d) Free-haul distance

Replace the last sentence with:

“This distance shall be 1 kilometre in the case of all overhaul materials”

B1700: CLEARING AND GRUBBING

B1702 DESCRIPTION OF WORK

(c) Conservation of topsoil

Add to the end of the 1st paragraph:

“The contractor will not be required to remove topsoil to more than an average depth of 400mm, from any particular area. The depth of topsoil removed shall be reliant on the terrain, suitability of material and topsoil requirements of the work.”

Replace the second paragraph of this clause with the following:

“After clearing and grubbing, all topsoil shall be removed to either windrows alongside the construction area or to stockpile. Where ordered by the Engineer, any topsoil that shall be required for the top soiling of new banks and cuts, but which cannot be accommodated within the construction site, shall be loaded and hauled to the designated stockpile area where it shall be placed in temporary stockpiles for later use in the rehabilitation of the site affected by construction activities. Where new borrow pits are to be opened up the topsoil shall first be removed (independently of the overburden) and placed in temporary stockpiles at the edge of the borrow pit. The moving of topsoil from windrow or the loading of topsoil from temporary stockpiles and the placing and spreading of thereof on cut or fill slopes or on borrow pit spoil sites, is covered in Section 5800.

Refer also to clause B5802 (g) of this project specification.”

B1704 MEASUREMENT AND PAYMENT

Amend the following payment item:

Item	Unit
B17.01 Clearing and grubbing	hectare (ha)

Add the following to the measurement and payment paragraphs:

“Clearing and grubbing of the construction site camp / office shall not be measured separately and shall be deemed to be included in the rates tendered for item B13.01”

2100: DRAINS

B2104 SUBSOIL DRAINAGE

(a) **Materials**

(i) Pipes

Add to Sub-clause 2104(a (i) the following:

Perforated or slotted un-plasticised PVC pipes shall be used for subsurface drainage.

(ii) Natural Permeable Material

Add to Sub-clause 2104(a)(ii) the following:

The crushed stone shall be coarse graded (19mm nominal size) and shall conform to the following requirements:

Percentage passing through a 26,5mm sieve	= 100 %.
Percentage passing through a 19,0mm sieve	= 60 to 85 %.

2200: PREFABRICATED CULVERTS

B2204 CONSTRUCTION METHODS

Add to Clause 2204 the following:

“Generally, prefabricated stormwater drainage pipes and rectangular culverts will be installed using the 'trench method”.

B2210 LAYING AND BEDDING OF PREFABRICATED CULVERTS

(f) General

Add to Sub-clause 2210(f) the following:

“Pipe culverts have been designed to the positions, lengths and elevations shown on the drawings. However, site conditions may dictate that changes are necessary. Any such changes will be agreed with the Engineer and recorded in writing”.

B2211 BACKFILLING OF PREFABRICATED CULVERTS

Add to the fourth paragraph of Clause 2211 the following:

“Where backfilling is done in the upper layers of the road formation, the quality and strength of the backfill material shall at least match that of the surrounding layers”.

B2212 INLET AND OUTLET STRUCTURES, CATCHPITS AND MANHOLES

Add to Clause 2212 the following new sub-clause (j):

(j) Subsurface drain outlet into catchpits and manholes

“Where required, sub-surface drain pipes shall be led into standard stormwater catchpits or manholes, as shown on the drawings or as directed by the Engineer. This shall be done either by making provision during the construction of the chamber, or by breaking out and making good after completion of the chamber.”

2300: CONCRETE CHANNELING, CHUTES, AND DOWN PIPES AND CONCRETE LINING FOR OPEN DRAINS

2304 CONSTRUCTION

(g) Concrete-lined open drains

The exposed surfaces of the concrete linings of open drains shall be given a class U2 surface finish. Concrete shall be cured in accordance with the requirements of the clause 6409.

Sealed joints in concrete shall be in accordance with the details indicated on the drawings and the provision of the section 6600. Cold joints shall be painted with a coat of approved bituminous emulsion containing 60% of pure bitumen by mass.

Expansion joints shall be made in accordance with the drawings.

B3300: MASS EARTHWORKS

B3312 MEASUREMENT AND PAYMENT

General Directions

Amend the following sub-clause to read:

“(3) Work in restricted areas

No additional payment will be made for work in restricted areas”

Add the following sub-clause:

“(4) The free haul distance for all items unlimited”

B5600: ROAD SIGNS

B5601 SCOPE

Replace "South African Road Traffic Signs Manual" in the second paragraph with:

"SADC Road Traffic Signs Manual"

B5603 MANUFACTURING OF ROAD SIGN BOARDS AND SUPPORTS

(a) Road signboards

Add the following:

"The contractor shall make every effort to ensure that signboards are correct in all respect and before dispatching the boards from the manufacturer's factory shall provide the Engineer with a 100mm x 150mm colour photograph of each sign face for approval of the correctness of the legend. Such approval will not imply final acceptance of the board. If the contractor is in any doubt as to the correctness of the sign detail, the sign designer shall be contacted for verification."

(ii) Steel profile road signboards

Add the following:

"Chroma Dek section shall be assembled in accordance with the details of Standard Plans SP-B-12-Sheets 4 and 5 and SP-B-4-Sheets 33E and 34E.

Where the letter or legends cross the horizontal joints of the sign panels, the letter shall be cut on the joint and both ends folded around the radius.

Retro-reflective material to adjoining Chroma Dek panels on a sign shall be practical visual match of the specified colour."

B5604 ROAD SIGN FACES AND PAINTING

Add the following sub-clause:

"(e) Application of retro-reflective material

All sign faces shall be faced with retro-reflective material. Painted front sign faces shall not be used.

Where applied to Chroma Dek sections, retro-reflective material shall be applied as specified for aluminium section in Clause 5603(d) of the Standard Specification, and of Clause B5603(a)(ii) of this project Specification."

B5605 STORAGE AND HANDLING

Add the following:

"The following shall not be allowed on the sign face:

- Drilling of holes, except for the fastening of overlays
- Application of any form of adhesive
- Cleaning with any chemicals that are not specifically approved by the manufacturer of the retro-reflective material.
- Covering the sign face with an impermeable material that does not allow free circulation of air."

B5606 ERECTING ROAD SIGNS

(c) Erection

Add the following:

“After erection the signboard shall be thoroughly cleaned with a cleaning agent approved by the retro-reflective material’s manufacturer.

All vegetation obstructing the new or replaced sign board shall be removed and disposed of as instructed by the Engineer.”

B5609 MEASUREMENT AND PAYMENT

Item

Unit

B56.01 Road sign boards with painted or coloured semi-matt background. Symbols, lettering, and borders in semi-matt black or in Class I retroreflective material, where the sign board is constructed from:

Amend the last two lines of the second paragraph to read:

“completion, delivery, installation of the road sign board complete as specified, and the removal and disposal of all vegetation obstructing the motorists’ view of the new or replaced sign board.”

B5900: FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS

B5901 SCOPE

In the first line of the second paragraph, insert the following after 'this section'

"...distinguishes between new construction and renewal construction. When construction is new, as in the case of new alignments for example, then this section"

B5902 FINISHING THE ROAD AND ROAD RESERVE

Retain the existing paragraphs as new sub-clause:

"(a) New construction"

Replace the sixth paragraph with:

"All materials resulting from the finishing operations shall be disposed of at approved spoil sites."

Add the following:

"(b) Renewal construction"

After completing construction work within the site, the contractor shall ensure that all construction generated or related material that may have been swept, windrowed, stockpiled, stored or spread beyond the road surface is removed. This shall be done before any other rehabilitation work is undertaken, including shaping, topsoiling and grassing. Should, during the removal of construction generated or related material, existing vegetation or topsoil be disturbed or destroyed, the contractor shall, at his own cost, re-instate the road reserve to its original state. This shall include ripping, should be disposed of at approved spoil sites."

C3.3.2 Health and Safety Specifications

OCCUPATIONAL HEALTH AND SAFETY SPECIFICATIONS (OHS)

LIST OF ABBREVIATIONS

OLM	Okhahlamba Local Municipality
CR	Construction Regulations
GAR	General Administration Regulations
GSR	General Safety Regulations
HCSR	Hazardous Chemical Regulations
OHSA	Occupational Health and Safety Act 85 of 1993
OHSS	Occupational Health and Safety Specification
SABS	South African Bureau of Standards

1 INTRODUCTION

1.1 Purpose of the Occupational Health and Safety Specification

The purpose of the OHSS is to assist contractors to achieve compliance with the Occupational Health and Safety law, in order to reduce incidents, injuries and occupational illnesses. The OHSS will be implemented during the construction of this project or any construction activity that the Client has control over.

The OHSS is a performance specification to ensure that the Client and any bodies that enter into formal agreements with the Client viz. Agents, Consultants, Principal Contractors and Contractors achieve an acceptable level of OHS performance. No advice, approval of any document required by the OHSS such as hazard identification and risk assessment action plan or any other form of communication from the Client shall be construed as an acceptance by the Client of any obligation that absolves the Principal Contractor from achieving the required level of performance and compliance with legal requirements. Further, there is no acceptance of liability by the Client which may result from the Principal Contractor failing to comply with the OHSS, i.e. the Principal Contractor remains responsible for achieving the required performance levels.

1.2 Implementation of the Occupational Health and Safety Specification

This OHSS forms an integral part of the Contract, and Principal Contractors are required to make it an integral part of their Contracts with Contractors and Suppliers. It will be disseminated by the Client to persons responsible for the design of the infrastructure works, who will ensure that it is included in the Tender Document(s) issued to prospective Contractors. The prospective Contractors shall incorporate the requirements of the OHSS in their submission of Tenders to the Client. Some of the requirements of the OHSS are detailed in Annexure A.

This specification must be read in conjunction with the OHS Act No 85 of 1993 (as amended)(The Act), the Regulations as published in Government Gazette No 37305 of 07 February 2014 as well as the General Safety Regulations published in Government notice No. R 1031 of 30 May 1986, as amended, the General Administrative Regulations, GAR 929 of 25 June 2003, as amended and any other regulations falling under the Act (collectively known as the Regulations).

The OHS Act Agreement in Section 9 of the Tender Document (Contract Forms) must be fully completed by the Contractor. These documents shall be deemed to form part of the Contact Documents. They must be obtained by the Principal Contractor and copies held on site.

2. SCOPE

This OHSS covers the requirements for eliminating and mitigating incidents and injuries in all Client controlled projects.

The scope also addresses legal compliance, hazard identification and risk control, promoting a health and safety culture amongst those working on MM projects and those affected by the activities taking place in and around them.

2.1 Interpretations

2.2 Application

The OHSS contains clauses that are generally applicable to building / construction and that impose pro-active controls associated with activities that impact on human health and safety as they relate to plant and machinery.

Compliance to the requirements of the OHSA, Construction Regulations and General Safety Regulations is in addition to the requirements of the OHSS and is part of the Principal Contractor's responsibility. The Client will through the Agents, as appointed, monitor that the Principal Contractor complies with the requirements of the OHSA and will not prescribe to the Principal Contractor how such compliance is achieved.

2.2.1 Definitions

The definitions used will be those set out in the Regulation Gazette No 37305 of 07 February 2014 with the following additions:

Client: Okhahlamba Local Municipality

Engineer: Means a competent person appointed by the Client to design, supervise and monitor construction on their behalf.

Hazard: Source of exposure to danger

Hazard Identification and Risk Assessment and Risk Control:

Means a documented plan, which identifies hazards, assesses the risks and details the control measures and safe working procedures which are to be used to mitigate and control the occurrence of hazards and risks during construction or operation phases.

Health and Safety Management Plan:

Means a documented plan which addresses the hazards identified and includes safe working procedures to mitigate, reduce or control the hazards identified.

Induction Training: Means once off introductory training on general health and safety issues given to all employees and visitors to the site before commencement of work on site.

Risk: Means the probability or likelihood that a hazard can result in injury or damage.

Regulations: Shall mean the relevant regulations promulgated in terms of the Occupational Health and Safety Act, 1993 (ACT NO. 85 of 1993)

Site: Means the area in the possession of the Principal Contractor for the construction of the works. Where there is no demarcated boundary, it will include all adjacent areas and haul roads, which are reasonably required for the activities for the Principal Contractor, and approved for such use by the Engineer.

The Act: Means, unless the context indicates otherwise, the Occupational Health and Safety Act, 1993 (ACT NO. 85 of 1993) and Regulations promulgated thereunder.

3. REQUIREMENTS AT TENDER STAGE

The Principal Contractor shall make available the following with his completed Tender:

- (a) A Preliminary Health and Safety Plan as described in Regulation 5 of the Construction Regulations. The Safety Plan must be based on the Construction Regulations February 2014 and this specification and will be subject to approval by the Client or his agent. This will include a Hazard Identification and Risk Assessment Analysis appropriate to the project. Material Safety Data Sheets (MSDSs) and chemical risks must be included in the HIRA
- (b) A declaration to the effect that he has the competence and necessary resources to carry out the work safely in compliance with the Construction Regulations 2014.

Failure to submit the foregoing with his Tender or during Tender evaluation, may lead to the conclusion that the Principal Contractor is not be able to carry out the work under the contract safely in accordance with the Construction Regulations and may result in the Tender being disqualified.

4. NOTIFICATION OF COMMENCEMENT OF CONSTRUCTION WORK

After award of the contract, but before commencement of construction work, the Principal Contractor shall, in terms of Regulation 3, notify the Provincial Director of the Department of Labour in writing if the following work is involved:

- (a) the demolition of structures and dismantling of fixed plant of height of 3,0 m or more;
- (b) the use of explosives;
- (c) construction work that will exceed 30 days or 300 person-days;
- (d) excavation work deeper than 1,0 m; or
- (e) working at a height greater than 3,0 m above ground or landings.

The notification must be done in the form of the pro forma given in Annexure A to the Construction Regulations. A copy of the notification form must be kept on site, available for inspection by inspectors, Client, Engineer, employees and persons on site. Proof of submission must also be provided.

5. GUIDELINES FOR THE DEVELOPMENT OF A HEALTH AND SAFETY PLAN

5.01 Background

In terms of the Construction Regulations [Regulation 4 (1) (a)] of the Occupational Health and Safety Act, No 85 of 1993, the Client is required to compile an Occupational Health and Safety Specification for each of its projects and the Principal Contractor, appointed by the Client in terms of Regulation 4 (1) (c), is required to prepare an Occupational Health and Safety Plan. This plan has to be prepared in terms of Regulation 5 (1) as well as the Client's Occupational Health & Safety Specification. In terms of Regulation 4 (2), the Client and the Principal Contractor are required to agree on the Occupational Health and Safety Plan before any work may commence.

5.02 Framework for an Occupational Health and Safety Plan

5.02.1 Introduction

The Principal Contractor has to demonstrate to the Client that he has a suitable and sufficiently documented Occupational Health and Safety Plan as well as the necessary competencies, experience and resources to perform the construction work safely. The Principal Contractor is required to submit at, or before, the site handover meeting, the following documentation for perusal and verification by the Client:

- Management Structure including an organogram

- Quality Plan
- Human Resources Plan
- Registered Workplace Skills Plan
- "Letter of good standing" issued by the Compensation Commissioner or licensed compensation insurer.
- Proof of induction and other training of employees
- Example: copies of minutes of previous Occupational Health and Safety Committee meetings and copies of Incident Investigation Reports for other projects undertaken by the Tenderer.

5.02.2 Contents of an Occupational Health and Safety Plan

The Occupational Health and Safety Plan shall include the following:

- An Occupational Health and Safety Management Programme**
- A Statement Regarding the Communication and Management of the Work**
- A suitable list of contents for the Occupational Health and Safety Plan is given in Annexure E

6. APPOINTMENT OF HEALTH AND SAFETY (H&S) PERSONNEL

6.01 Construction Supervisor

In terms of Section 16 of the Act, the Chief Executive Officer of the Principal Contractor may delegate, in writing, part or all of his powers to a suitable person on the site.

The Principal Contractor shall appoint a full-time **Construction Supervisor**, in writing, in terms of Section 6.1 of the Regulations with the duty of supervising the performance of the construction work.

He may also have to appoint one or more competent employees to assist the construction supervisor where justified by the scope and complexity of the works.

6.02 Construction Health and Safety officer

In terms of Section 6 (6) of the Regulations the Principal Contractor shall appoint in writing a full-time **Construction Safety Officer**.

Should the Principal Contractor wish to appoint a part time Construction Safety Officer, this shall only be done after consultation with the Client.

The Construction Safety Officer shall have the necessary competence and resources to perform his duties diligently.

Provision will be made in the schedule of quantities to cover the cost of a dedicated construction safety officer appointed after award of the contract.

A CV, and training records, of the proposed Construction Safety Officer must be submitted at the Contract Handover Meeting.

The Construction Safety Officer shall not be the same person as the Traffic Safety Officer unless with the written permission of the Client.

6.03 Health and safety representatives

In terms of **Sections 17 and 18 of the Act (OHSA 1993)** the Principal Contractor shall appoint, in writing, a **health and safety representative** whenever he has more than 20 employees in his employ on the works. The health and safety representative must be selected from employees who are employed in a full-time capacity at a specific workplace and at least half must be elected according to the wishes of the workforce.

Representatives from local labour can be appointed to represent such labour for the duration of the contract. The functions of the H&S Representatives are as outlined in the OH&S Act.

6.04 Health and safety committee

In terms of **Sections 17, 18 and 19 of the Act (OHSA 1993)** the Principal Contractor (as employer), shall establish one or more **health and safety committee(s)** where there are two or more health and safety representatives at a workplace. The persons selected by the Principal Contractor to serve on the committee shall be designated in writing.

The function of the health and safety committee shall be to hold meetings at monthly intervals, to review the health and safety measures on the contract, to discuss incidents related to health and safety with the Principal Contractor's representative and any Department of Labour inspector, and to make recommendations regarding health and safety to the Principal Contractor and to keep record of meetings, recommendations and reports made by the committee.

6.05 Competent persons

In accordance with the Construction Regulations the Principal Contractor shall appoint, in writing, **competent persons** responsible for supervising construction work for the following work situations that may be expected on the site of the works, as applicable to the project. A CV of the person/s concerned should form part of the Health and Safety File

- (a) Risk assessment (Regulation 7);
- (b) Fall protection (Regulation 8);
- (c) Structures (Regulation 9);
- (d) Formwork and support work (Regulation 10);
- (e) Excavation work (Regulation 11);
- (f) Demolition work (Regulation 12);
- (g) Tunnelling (Regulation 13);
- (h) Scaffolding work (Regulation 14);
- (i) Suspended platform operations (Regulation 15);
- (j) Boatswain chairs (Regulation 16);
- (k) Material Hoists (Regulation 17);
- (l) Batch plant operations (Regulation 18);
- (m) Explosive powered tools (Regulation 19)
- (n) Cranes (Regulation 20);
- (o) Construction vehicle and mobile plant (Regulation 21(1));
- (p) Electrical installation and machinery on construction site (Regulation 22);
- (q) Use of temporary storage of flammable liquids on construction site (Regulation 23);
- (r) Water environments (Regulation 24);
- (s) Housekeeping on construction sites (Regulation 25)
- (t) Stacking and storage on construction sites (Regulation 26);
- (u) Fire precautions on construction sites (Regulation 27); and
- (v) Construction welfare facilities
- (w) Incident Investigator
- (x) Construction Supervisor and Assistants (Regulation 6)
- (y) Construction Safety Officer (Regulation 6) and Traffic Safety Officer

A competent person may be appointed for more than one part of the construction work with the understanding that the person must be suitably qualified and able to supervise at the same time the construction work on all the work situations for which he has been appointed.

The appointment of competent persons to supervise parts of the construction work does not relieve the Principal Contractor from any of his responsibilities to comply with **all** requirements of the Construction Regulations.

6.06 Use of Crushers

Where a crusher is established on site, and where quarries are worked, this facet of the project falls within the requirements of the Mines Health and Safety Act (Act No 29 Of 1996) and the regulations in respect of Health and safety will apply. The District Mining Engineer will carry out audits on this aspect of the project.

7. PROJECT / SITE SPECIFIC REQUIREMENTS

A description of the works to be constructed can be found in the Project Specifications, Part A, in the Tender Document.

A list of activities and considerations that have been identified for the project and the construction site and for which Risk Assessments, Standard Working Procedures (SWP), management and control measures and Method Statements (where necessary) have to be developed by the Principal Contractor is given in Annexure D. This list is not to be considered as inclusive and other items must be added as required

In addition, the following health risks should be taken into account. It may become necessary to include others according to the requirements of the project.

Health risks

- Health risks arising from neighbouring as well as own activities and from the environment e.g. threats by dogs, bees, snakes, lightning etc.
- Exposure to noise
- Exposure to vibration
- Working at heights
- Working over water
- Protection against dehydration and heat exhaustion
- Exposure to dust resulting in pneumoconiosis and potential silicosis
- Unprotected exposure to wet and cold conditions
- Exposure to hazardous substances, including the use of radioactive materials in testing equipment, and chemicals used on site.
- HIV / Aids

Noise Risks

The Principal Contractor or Contractor or owner of the construction plant shall take noise level readings for each type of construction plant to be used on the project and establish a noise zone for each type in terms of Section 9 of the Noise-Induced Hearing Loss Regulations where required in terms of the Regulations, suitable hearing protective equipment shall be issued and worn. Where several items of construction plant are in operation at or near to each other, the noise zone for the combined plant should be established and suitable hearing protective equipment used within this zone.

Based on the results of this monitoring, the contractor may have to make budgetary provision for the medical screening of all employees working in an area where the OEL is exceeded.

Construction traffic

The Principal Contractor must state at what maximum speed traffic, especially haulers, shall be allowed to travel at on site and on haul roads. This limit must be strictly adhered to by all construction traffic. Unreasonable limits may be revised by the Engineer or OHS agent.

Emergency Procedures

The Principal Contractor shall submit a detailed Emergency Procedure for approval by the Client prior to commencement on site. The procedure shall detail the response plan including the following key elements:

- List of key competent personnel;
- Details of emergency services;
- Actions or steps to be taken in the event of the specific types of emergencies;
- Information on hazardous material/situations.

Emergency procedure(s) shall include, but shall not be limited to, fire, spills, accidents to employees, use of hazardous substances, bomb threats, major incidents/accidents, etc. The Principal Contractor shall advise the Client, Agent, Engineer and all relevant authorities forthwith, of any emergencies, together with a record of action taken. This shall be confirmed in writing as soon as possible after the incident. A contact list of all service providers (Fire Department, Ambulance, Police, Medical and Hospital, etc) must be maintained and available to site personnel. These procedures shall form part of the Health and Safety Plan.

First Aid Boxes and First Aid Equipment

The Principal Contractor and all Contractors shall appoint in writing First Aider(s). If not already accredited, the appointed First Aider(s) are to be sent for accredited first aid training. Unless agreed with the Client, at least one first aider shall be certified as Level 3. Valid certificates are to be kept on site. The Principal Contractor shall provide an on-site First Aid Station with first aid facilities, including first aid boxes containing, at least the requirements of the Annexure to Section 3 of the General Safety Regulations. All Principal Contractors with more than 5 employees shall supply their own first aid box. Principal Contractors with more than 10 employees shall have a trained and certified First Aider on site at all times.

It is suggested that all supervisors carry a first aid kit in their vehicles at all times.

Personal Protective Equipment (PPE) and Clothing

The Principal Contractor shall ensure that all workers, temporary or permanent, are issued with and shall wear hard hats, protective footwear, reflective bibs or vests and overalls as well as any other necessary PPE as set out in Section 2.3 of the General Safety Regulations. Principal Contractors must provide reflective vests for all their staff. The Principal Contractor and all Contractors shall make provision and keep adequate quantities of SABS approved PPE on site at all times. This shall include necessary safety gear for visitors. The Principal Contractor shall clearly outline procedures to be taken when PPE or Clothing is:

- Lost or stolen;
- Worn out or damaged.
- Issued to temporary labour or staff.

The above procedure applies to Principal Contractors and their Contractors, as they are all Employers in their own right.

PPE must also be issued to the Consultant's staff, as set out in the Specifications or as requested by the Engineer.

Medical Certificates and Medical Surveillance

Medical certificates provided by a registered Health and Safety Practitioner must be obtained for all persons involved in:

- Exposure to Hazardous chemicals (HCSR Reg 7)
- Working at Heights (CR Reg 8 (2))
- Operation of Construction Vehicles (CR Reg 21 (d))
- "Listed" activities in terms of Section 12(c) of the Act.

In the case of permanent employees of the Principal, Contractor or sub-contractor no payment will be made for these certificates as they are deemed to be already issued. In the case of temporary employees, payment will be made in terms of payment item.

Exposure to hazardous materials

The Principal Contractor shall, in his Health and Safety Plan, state what methods will be used to determine the exposure of workers to any hazardous materials used on site. Particular attention must be given to those who are exposed for long periods of time. This is particularly important in the cases of workers exposed to bituminous materials. Regular medical surveillance must form part of the Principal Contractor's Health and Safety Plan.

Environmental monitoring results and risk assessments are to be made available to the occupational health professionals doing the medical surveillance, as well as Job specifications per job category.

Occupational Health and Safety Signage

The Principal Contractor shall provide adequate on-site OHS signage. This should include but is not limited to: 'no unauthorised entry', 'report to site office', 'site office', 'beware of overhead work', 'hard hat area' in the appropriate positions. Signage shall be posted up at all entrances to site as well as on site in strategic locations e.g. access routes, stairways, entrances to structures and buildings, scaffolding, and other potential risk areas/operations. These signs shall be in accordance with the requirements of the General Safety Regulations as amended.

Signs shall be posted at all entrances to the site indicating that a construction site is being entered and that persons should take note of safety requirements.

Induction of employees and visitors

In terms of section 7(7); (8) and (9) inductions must be carried out for employees and visitors to the site. The Contractor's Health and Safety Plan must set out how this will be done as well as how the entrance of visitors to the site will be regulated. The type of proof of induction contemplated in Section 7 (9) shall also be stated.

8. HEALTH AND SAFETY FILE

The Principal Contractor shall in terms of Construction Regulation 5(7) maintain a Health and Safety File on site at all times. The Health and Safety File is a file or other permanent record containing information on aspects of the construction project - which will be necessary to ensure the health and safety of any person who may be affected by the construction work.

The Principal Contractor shall appoint a suitably qualified person to prepare the Health and Safety File and to keep it up to date for the duration of the contract. The Health and Safety file shall include at least the following information:

- All Documents as required by the Act and Regulations
- Notification of construction work
- Proof of registration with the Compensation Commissioner or FEMA
- All reports of inspections and audits
- All non-conformity reports
- A record of all working drawings, calculations and design where applicable
- Detailed list of Contractors with contact details
- List of all hazardous materials used and stored on site with Data Sheets and Materials Hazard Data sheets
- All Hazard Identification and Risk Assessments carried out for the project.
- All Health and Safety Plans for the project.
- All method statements
- Minutes of all relevant meetings
- Incident records, including investigations and results
- Record of all appointments under the Regulations
- Medical certificates of fitness.
- Record of Competencies
- Training Records

Annexure B is a list of the records to be kept on site. The inclusion of other, relevant documents is encouraged.

The Health & Safety File shall be handed over to the Client on completion of the contract. It must contain all the documentation as set out above, or as instructed, as well as any handed to the Principal Contractor by any subcontractors.

9. RISK ASSESSMENT

Before commencement of any construction work during the construction period, the Principal Contractor shall have a risk assessment performed and recorded in writing by a competent person. (Refer Regulation 7 of the Construction Regulations 2014).

Risk is a measure of the likelihood that the harm from a particular hazard will be realised, taking into account the possible severity of the harm. Harm to people includes death, injury (permanent or temporary), physical or mental health or any combination thereof. Risk management in health and safety includes the identification of hazards, assessing risks, taking action to eliminate or reduce the risk, monitoring the effectiveness and performing regular reviews of the entire process. The Principal Contractor shall compile method statements to address or handle the following:

- Hazards particulars to the contract
- Identify what could go wrong and how

-
- Identify the likelihood of this happening
 - Identify the persons at risk
 - Identify the extent of possible harm
 - Eliminating or reducing this risk
 - A monitoring plan
 - A review plan

Principal Contractors must ensure that all subcontractors conduct risk assessments for their scope of work as well.

The risk assessment shall identify and evaluate the risks and hazards that may be expected during the execution of the work under the contract, and it shall include a documented plan of safe work procedures to mitigate, reduce or control the risks and hazards identified.

The risk assessment shall be available on site for inspection by inspectors, Client, Engineer, subcontractors, employees, trade unions and health and safety committee members, and must be monitored and reviewed periodically by the Principal Contractor.

10. ARRANGEMENTS FOR MONITORING AND REVIEW

The Client, or his agent, will conduct a Monthly Audit to audit compliance with Construction Regulation 4 (1) (d) to ensure that the Principal Contractor has implemented and is maintaining the agreed and approved OH&S Plan. Annexure C can be used as a format when conducting the audit.

The Client reserves the right to conduct other ad hoc audits and inspections as deemed necessary.

A representative of the Principal Contractor must accompany the Client, or his agent, on all audits and inspections and may conduct his own audit/inspection at the same time. Each party will, however, take responsibility for the results of his own audit/inspection results.

11. NONCONFORMITIES

Should, at any time, the works, or part of the works, be stopped in terms of Section 4 subsection (e) the Principal Contractor shall have no claim for extension of time or any other compensation.

12. REPORTING

All accidents and incidents as defined in Regulation 8 of the General Administrative Regulations must be recorded on the form as set out in Annexure 1 to the Regulations and investigated in terms of Regulation 9. Records must be retained as required by section 9 of the GAR.

The Site Safety Officer must compile a safety report on a monthly basis, setting out all incidents and accidents and any other information relating to safety on the site. This is to be presented to the most convenient site meeting and a copy held on the Health and Safety file.

13. MEASUREMENT AND PAYMENT

Payment items to cover the contractor's cost related to OCCUPATIONAL HEALTH AND SAFETY SPECIFICATIONS are included in the bill of quantities. These items are described under Section 1300 in Section B: Matters Relating to the Standard Specifications of the Works Specification.

ANNEXURE A
RECORDS TO BE KEPT ON SITE

ITEM	CR	RECORD TO BE KEPT	RESPONSIBLE PERSON
1.	3(3)	Notification to Provincial Director – Annexure A Available on site	Principal Contractor
2.	4(3)	Copy of Principal Contractor's Health & Safety Plan Available on request	Client (Consultant)
3.	5(6)	Copy of Principal Contractor's Health & Safety Plan As well as each Contractor's Health & Safety Plan Available on request	Principal Contractor
4.	5(7)	Health & Safety File opened and kept on site (including all documentation-required in respect of the OHS & Regulations Available on request	Principal Contractor
5.	5(8)	Consolidated Health & Safety File handed to Client on completion of Construction work. To include all documentation required by the OHS & Regulations.	Principal Contractor
6.	5(9)	Comprehensive and Updated List of all Contractors on site, the agreements between the parties and the work being done Included in Health & Safety file and available on request	Principal Contractor
7.	6(7)	Keep record on the Health & Safety File of the input by Construction Safety Officer [CR 6 (6)] at design stage or on the Health & Safety Plan	Principal Contractor
8.	7(2)	Risk Assessments, kept up to date and available on site for inspection	Principal Contractor
9.	7(9)	Proof of Health & Safety Induction Training	Every Employee on site
10.	8(3)	Construction Supervisor [CR 6 (1)] has latest updated version of Fall Protection Plan [CR 8 (1)]	Principal Contractor
11.	9(2)(b)	Inform Principal Contractor in writing of dangers and hazards relating to construction work	Designer of Structure
12.	9(3)	All drawings pertaining to the design of structure On site available for inspection	Principal Contractor
13.	9(4)	Record of inspection of the structure [First 2 years – once every 6 months, thereafter yearly]	Owner of Structure
14.	9(5)	Maintenance records – safety of structure Available on request	Owner of Structure
15.	10(1)(d)	Drawings pertaining to the design of formwork/support work structure Kept on site, available on request	Principal Contractor
16.	11(3)(h)	Record of excavation inspection On site available on request	Principal Contractor
17.	15(11)	Suspended Platform inspection and performance test records Kept on site available on request	Principal Contractor
18.	17(8)(c)	Material Hoist daily inspection entered and signed in record book kept on the premises	Principal Contractor
19.	17(8)(d)	Maintenance records for Material Hoist Available on site	Principal Contractor
20.	18(9)	Records of Batch Plant maintenance and repairs On site available for inspection	Principal Contractor
21.	19(2)(g)(ii)	Issuing and collection of cartridges and nails or studs (Explosive Powered Tools) recorded in register – recipient signed for receipt as well as return	Principal Contractor
22.	21(1)(d)	Findings of daily inspections (prior to use) of Construction Vehicles and Mobile Plant	Principal Contractor
23.	22(d)	Record of temporary electrical installation inspections [once a week] and electrical machinery [daily before use] in a register and kept on site	Principal Contractor
24.		Copies of all appointments made in regard to safety supervisors and inspectors	Principal Contractor
25.		Record of safety inspections on equipment using radioactive materials.	Principal Contractor

ANNEXURE B

OCCUPATIONAL HEALTH AND SAFETY
AUDIT SYSTEM

ADMINISTRATIVE & LEGAL REQUIREMENTS

Subject	Requirements	Yes/No	COMMENTS
Notice of carrying out Construction work	Department of Labour notified Copy of Notice available on Site		
Copy of OH&S Act (Act 85 of 1993)	Updated copy of Act & Regulations on site Readily available for perusal by employees		
Registration with Compens. Insurer	Written proof of registration / Letter of good standing available on Site		
OH&S Specification & Plan	OH&S Specification received from Client OH&S plan developed Updated regularly		
Hazard Identification & Risk Assessment	Hazard Identification carried out/Recorded Risk Assessment and Plan drawn up/Updated Risk Assessment Plan available on-Site Employees/Subcontractors informed/trained		
Assigned duties (Managers)	Responsibility of complying with the OH&S Act assigned to other person/s by CEO.		
Designation of Person Responsible on Site	Competent person appointed in writing as Construction Supervisor		
Designation of Subordinate Person	Competent person appointed in writing as Sub-ordinate Construction Supervisor		

Subject	Requirements	Yes/No	COMMENTS
Designation of Occupational Health & Safety Representatives	More than 20 employees - one OH&S Representative, one additional OH&S Rep. for each 50 employees or part thereof. Designation in writing, period and area of responsibility specified. Meaningful OH&S Rep. reports. Reports actioned by Management.		
Occupational Health & Safety Committee/s	OH&S Committee/s established. Members appointed in writing. Meetings held monthly. Minutes kept. Actioned by Management.		
Agreement with Mandataries (Subcontractors)	Written agreement with Subcontractors. List of Subcontractors displayed. Proof of Registration with Compensation Insurer/Letter of Good Standing Construction Work Supervisor designated Written arrangements concerning OH&S Reps & OH&S Committee Written arrangements regarding First Aid		
Fall Prevention & Protection	Competent person appointed to draw up and supervise the Fall Protection Plan Proof of appointees' competence available on Site Risk Assessment carried out for work at heights Fall Protection Plan drawn up/updated Available on Site		

Subject	Requirements	Yes/No	COMMENTS
Structures	Information re. The structure being erected received from the Designer including: Geo-science technical report where relevant The design loading of the structure The methods & sequence of construction -Anticipated dangers / hazards / special Measures to construct safely Risk Assessment carried out Method statement drawn up All above available on Site Structures inspected before each shift. Inspections register kept		
Formwork & Support work	Competent person appointed in writing to supervise erection, maintenance, use and dismantling of Support & Formwork Design drawings available on-site Risk Assessment carried out Support & Formwork inspected before use/inspection Before pouring of concrete Weekly whilst in place - Before stripping/dismantling. Inspection register kept		
Scaffolding	Competent persons appointed in writing to: Erect scaffolding (Scaffold Erector/s) Act as Scaffold Team Leaders Inspect Scaffolding weekly and after inclement weather (Scaffold Inspector/s) Written Proof of Competence of above appointees available on Site Copy of SABS 085 available on-Site Risk Assessment carried out Inspected weekly/after bad weather. Inspection register/s kept		
Suspended Scaffolding	Competent persons appointed in writing to: Erect Susp. Scaffolding (Scaffold Erector/s) Act as Susp. Scaffold Team Leaders Inspect Susp. Scaffolding weekly and after inclement weather (Scaffold Inspector/s) Risk Assessment conducted Certificate of Authorization issued by a registered professional Engineer available on Site/copy forwarded to the Department of Labour The following inspections of the whole installation carried out by a competent person After erection and before use		

Subject	Requirements	Yes/No	COMMENTS
	Daily prior to use. Inspection register kept The following tests to be conducted by a competent person: Load test of whole installation and working parts every 12 months - Hoisting ropes/hooks/load-attaching devices quarterly. Tests log book kept Employees working on Susp. Scaffold medically examined for physical & psychological fitness. Written proof available		
Excavations	Competent person/s appointed in writing to supervise and inspect excavation work Written Proof of Competence of above appointee/s available on Site Risk Assessment carried out Inspected: Before every shift After any blasting After an unexpected fall of ground After any substantial damage to the shoring After rain. Inspections register kept Method statement developed where explosives will be/ are used		
Demolition Work	Competent person/s appointed in writing to supervise and control Demolition work Written Proof of Competence of above appointee/s available on Site Risk Assessment carried out Engineering survey and Method Statement available on Site Inspections to prevent premature collapse carried out by competent person before each shift. Inspection register kept		
Materials Hoist	Competent person appointed in writing to inspect the Material Hoist Written Proof of Competence of above appointee available on Site. Materials Hoist to be inspected weekly by a competent person. Inspections register kept.		
Explosive Powered Tools	Competent person appointed to control the issue of the Explosive Powered Tools & cartridges and the service, maintenance and cleaning. Register kept of above Empty cartridge cases/nails/fixing bolts returns recorded Cleaned daily after use		
Batch Plants	Competent person appointed to control the operation of the Batch Plant and the service, maintenance and cleaning. Register kept of above		

Subject	Requirements	Yes/No	COMMENTS
	Risk Assessment carried out Batch Plant to be inspected weekly by a competent person. Inspections register kept		
Cranes & Lifting Machines Equipment	Competent person appointed in writing to inspect Cranes, Lifting Machines & Equipment Written Proof of Competence of above appointee available on Site. Cranes & Lifting tackle identified/numbered Register kept for Lifting Tackle Log Book kept for each individual Crane Inspection: All cranes - daily by operator -Tower Crane/s - after erection/6monthly Other cranes - annually by comp. Person Lifting tackle (slings/ropes/chain slings Etc.) - 3 monthly Risk Assessment carried out		
Inspection & Maintenance of Electrical Installation & Equipment (including portable electrical tools)	Competent person appointed in writing to inspect/test the installation and equipment. Written Proof of Competence of above appointee available on Site. Inspections: Electrical Installation & equipment inspected after installation, after alterations and quarterly. Inspection Registers kept Portable electric tools and - lights and extension leads identified/numbered. Monthly visual inspection by User/Issuer/ Storeman. Register kept.		
Designation of Stacking & Storage Supervisor.	Competent Person/s with specific knowledge and experience designated to supervise all Stacking & Storage Written Proof of Competence of above appointee available on Site		
Designation of a Person to Co-ordinate Emergency Planning And Fire Protection	Person/s with specific knowledge and experience designated to co-ordinate emergency contingency planning and execution and fire prevention measures Emergency Evacuation Plan developed: Drilled/Practiced Plan & Records of Drills/Practices available on Site		

Subject	Requirements	Yes/No	COMMENTS
	Fire Risk Assessment carried out All Fire Extinguishing Equipment identified and on <i>register</i> . Inspected weekly. Inspection Register kept Serviced annually		
First Aid	Every workplace provided with sufficient number of First Aid boxes. (Required where 5 persons or more are employed) First Aid freely available Equipment as per the list in the OH&S Act. One qualified First Aider appointed for every 50 employees. (Required where more than 10 persons are employed) List of First Aiders and Certificates Name of person/s in charge of First Aid box/es displayed. Location of F/Aid box/es clearly indicated. Signs instructing employees to report all Injuries/illness including first aid injuries		
Personal Safety Equipment (PSE)	PSE Risk Assessment carried out Items of PSE prescribed/use enforced Records of Issue kept Undertaking by Employee to use/wear PSE		
*Inspection & Use of Welding/Flame Cutting Equipment	Competent Person/s with specific knowledge and experience designated to Inspect Electric Arc, Gas Welding and Flame Cutting Equipment Written Proof of Competence of above appointee available on-Site Equipment identified/numbered and entered into a register Equipment inspected monthly. Inspection Register kept		
*Control of Storage & Usage of HCS	Competent Person/s with specific knowledge and experience designated to Control the Storage & Usage of HCS Written Proof of Competence of above appointee available on-Site Risk Assessment carried out Register of HCS kept/used on Site		
Vessels under Pressure (VUP)	Competent Person/s with specific knowledge and experience designated to supervise the use, storage, maintenance, statutory inspections & testing of VUP's Written Proof of Competence of above appointee available on Site Risk Assessment carried out		

Subject	Requirements	Yes/No	COMMENTS
	<p>Certificates of Manufacture available on-Site Register of VUP's on Site Inspections & Testing by Approved Inspection Authority (AIA): After installation/re-erection or repairs Every 36 months. Register/Log kept of inspections, tests. Modifications & repair</p>		

Subject	Requirements	Yes/ No	COMMENTS
Construction Vehicles & Earth Moving Equipment	<p>Operators/Drivers appointed to: Carry out a daily inspection prior to use Drive the vehicle/plant that he/she is competent to operate/drive Written Proof of Competence of above appointee available on-Site Record of Daily inspections kept</p>		
Inspection of Ladders	<p>Competent person appointed in writing to inspect Ladders Ladders inspected at arrival on site and monthly thereafter. Inspections register kept</p>		
Ramps	<p>Competent person appointed in writing to Supervise the erection & inspection of Ramps. Inspection register kept.</p>		
OTHER	<p>Any items which are not covered in the audit but require attention by the PC (e.g. updated method statements, safe work procedures etc.).</p>		

ANNEXURE C

HAZARDOUS TASK IDENTIFICATION

(The list given is not inclusive and other hazardous tasks may be identified as the construction progresses)

MAIN TASK	SUB TASK
ACCOMMODATION OF TRAFFIC	Manning of stop/go signs
	Dust
	Traffic speed
	Provision of safety equipment
	Working next to traffic
CONCRETE WORK	Erection of signage
	Operation of small mixers
	Placing concrete with ready mix trucks/dumpers
	Placing concrete manually
	Finishing of concrete surfaces
DEMOLITION	Operations in pre-cast yard
	Using hand breakers
	Using manual labour
EARTHMOVING AND LAYERWORKS	Removal of spoil
	Use of earthmoving plant, e.g. bulldozers, graders and excavators
	Use of rollers
	Use of tip trucks and other transportation
EXCAVATING	By manual labour
	By excavating equipment e.g. TLB
	Operations inside excavations
FIRE	In narrow trench
	Use and placement of fire extinguishers
SHUTTERING AND FORMWORK	Fire fighting
	Off-loading and handling
	Storage
MISCELLANEOUS	Erection and removal
	Site Establishment
	Housekeeping
	General storage
	Movement of equipment
SURFACING	Use of personal transport
	Use, storage and handling of bituminous products
	Distributors
	Spraying by hand
	Use of paving machines (Chip spreader)
	Use of rollers
CULVERTS AND STORM WATER	Use of heating apparatus
	Moving and placing of pipes
	Other than noted in previous sections
WORKSHOPS	Bedding
	Placing and compacting fill
	Use of small electrical tools
	Gas and Flame Cutting
	Welding
	Explosive powered tools
	Use of general workshop equipment
Tyre repair	
HAZADOUS MATERIALS	Use of jacking and lifting apparatus
	Petrol
	To be added to as required
	Diesel
	Materials safety data sheets as required
	Lubricants
	Cement and cement bags
Road lime and lime bags	
Flammable materials	
Gas bottles	

ANNEXURE D

CONTENTS OF THE PRINCIPAL CONTRACTOR'S OCCUPATIONAL HEALTH AND SAFETY PLAN

CONTENTS

- 1.0 INTRODUCTION
- 2.0 SCOPE
- 3.0 LEGAL REQUIREMENTS
- 0. STRUCTURE & RESPONSIBILITY FOR OCCUPATION HEALTH & SAFETY
- 5.0 GENERAL OH&S PROVISIONS

How the following will be managed:

- 5.1. Risk Assessment
 - 5.2. Administrative Controls & OH&S File
 - 5.3. OH&S Goals & Objectives
 - 5.4. Training, Awareness & Competence (including the induction of workers, staff and visitors)
 - 5.5. Consultation & Communication: with the Client, Consultant and Workforce.
 - 5.6. Checking, Reporting & Corrective Action
 - 5.7. Incident Reporting
 - 5.8. Accident/ Incident Investigation
 - 5.9. Occupational Health and Safety issues
-
- 6.0. OPERATIONAL CONTROL
 - 6.1. Notification of Construction Work
 - 6.2. Emergency Preparedness, Contingency Planning & Response
 - 6.3. First Aid
 - 6.4. Security
 - 6.5. Excavation Work
 - 6.6. Fall Protection
 - 6.7. Cranes & Lifting Equipment
 - 6.8. Construction Vehicles & Mobile Plant
 - 6.9. Electrical Installations
 - 6.10. Electrical & Mechanical Lock-out
 - 6.11. Use & Storage of Flammables
 - 6.12. Housekeeping
 - 6.13. Stacking & Storage
 - 6.14. Storage of Hazardous Chemical Substances (including flammables)
 - 6.15. Fire Prevention & Protection
 - 6.16. Eating, Changing, Washing and Toilet Facilities
 - 6.17. Personal Protective Equipment
 - 6.18. Portable Electrical Tools & Equipment
 - 6.19. Public Health & Safety
 - 6.20. Protection of Overhead & Underground Services
 - 6.21. Protecting the Environment
 - 6.22. Welding & Flame Cutting
 - 6.23. Contractors
 - 6.24. Method statements and Safe Work procedures

7.0. SITE SPECIFIC REQUIREMENTS

8.0 ANNEXURES

- Annexure 1: Legal Compliance Audit
- Annexure 2: Measuring Injury Experience
- Annexure 3: OHS Risk Management Report
- Annexure 4: Guide to Risk Assessment
- Annexure 5: Guideline to the Development of a Health & Safety Plan
- Annexure 6: List of Risk Assessments

C3.3.3 Construction Environmental Management Plan

WORKS SPECIFICATIONS

PART C: ENVIRONMENTAL MANAGEMENT PLAN

PES1 GENERAL

The Contract shall be conducted in accordance with the principles of Integrated Environmental Management (IEM) "in an environmentally and socially responsible manner" (DEAT 1992). This section details the controls and procedures necessary to achieve this goal.

The Contractor will be required to comply with the Project Environmental Specifications contained in this section. Should any conflict arise between the specifications contained in this section, and any other specification, the Project Environmental Specifications shall prevail.

The specifications detailed in this section relate to those construction activities which could have an adverse impact on the environment and which therefore require mitigation measures.

Items have been included in the Preliminary and General section of the Bill of Quantities to reflect compliance with the Project Environmental Specifications. Where no item is provided in the Bill of Quantities, the Contractors rates will be deemed to be inclusive of any costs incurred for compliance with the Project Environmental Specification.

PES2 WORKING AREA

An area of the site will be defined by the Engineer for use by the contractor. This area will include the designated areas listed below and the contractor will not be permitted access beyond this defined area, except for the security personnel will be required to patrol a wider area to prevent informal settlements.

Within the defined working area mentioned above, certain areas will be specifically designated by the Engineer for the following activities:

- site camp
- stockpiling and storage of construction materials

In order to minimise the potential for erosion, vehicle access between the above-mentioned areas will be restricted to corridors defined by the Engineer, and multiple access tracks across the veld will not be permitted. Should excessive vehicle tracks be made, the Contractor shall be required to rehabilitate the extra tracks at his own cost. Rehabilitation shall involve ripping of the compacted earth to a depth of 150mm to loosen the earth, and grass seeding according to specification.

PES3 SITE CAMPS

Where site camps are to be established the topsoil is to be removed to the base of the A-horizon or to a depth of 150mm, whichever is the greater, and stockpiled according to the SANS specifications.

The site shall be located more than 20m from watercourses. Runoff from the site must be prevented from entering the watercourse or wetland.

Site camps and surrounds are to be maintained in a clean orderly and presentable condition at all times.

Waste water from kitchen and ablution facilities shall be led to soak pits and shall not be discharged to rivers or streams.

Tanks for fuels oils etc. shall be bounded with earth berms adequate to contain any possible spills.

After completion of the Works the contractor shall restore the area used by him to its former condition, including removal of rubble and foundations, and to the satisfaction of the Engineer.

PES4 SANITATION

Adequate toilet facilities are to be provided within 200m of the Works. All toilets shall be maintained by the Contractor in a clean sanitary condition to the satisfaction of the Engineer. Toilets shall not be located on flood plains where the possibility of flooding exists.

Contractors shall instruct their staff and sub-contractors that they must use the toilets provided and not the veld, bush or streams.

PES5 REFUSE

The site is to be kept clean, neat and tidy to the Engineer's satisfaction. The Contractor shall provide bins at the Work sites and shall be responsible for disposal of refuse and waste generated by his staff on a daily basis. Domestic litter or construction waste may not be left lying about on site.

Refuse and construction waste shall be disposed of at an approved dump site.

No burning of refuse is permitted.

PES6 DUST

Dust is regarded as a nuisance when it reduces visibility, soils private property or is aesthetically displeasing. Dust also reduces the value of grazing grasses and retards plant growth.

Dust generated by construction related activities must therefore be minimised.

The Contractor shall control dust over the site of the Works, on access roads/tracks, on stockpiles and spoil sites or borrow pits.

Control of dust shall involve spraying with water. The quantities of water used should not be large enough or applied with sufficient force to generate run off which could result in soil erosion. A water cart shall be provided by the Contractor to control dust levels.

PES7 NOISE

Noise levels are to be kept within reasonable norms as determined by the Engineer, taking into account the context of the rural setting.

Silencers shall be fitted to all machinery and vehicles shall be well maintained.

The Contractor shall inform residents of any excessive noise that is anticipated due to construction activities, for example blasting for excavation. This notice shall be given at least 2 days before the event generating higher noise levels.

Any complaints received by the Engineer regarding noise will be recorded and communicated to the Environmental Control Officer.

PES8 SOCIAL DISRUPTION

The Contractor's staff shall in no way be a nuisance to residents in the vicinity of construction activities. Any complaints received by the Engineer will be addressed and the relevant persons will face suspension from the project.

No access to private property will be allowed

PES9 INFORMAL SETTLEMENTS

The Contractor shall require his security personnel to patrol the entire site (not just the site of current operations as defined in PES3), and report any sign of informal shack development within three hours of commencement of such activity.

PES10 TRAFFIC

Traffic, especially heavy vehicle traffic, has the potential to draw complaints from other road users and neighbours. The Contractor will be expected to address any complaints received.

The Contractor shall instruct his drivers, suppliers, plant operators and any other vehicle operators travelling to and from the site as a result of the construction contract, that vehicles will be expected to comply with all roads ordinances, particularly with regard to;

- Speed limits
- Preventing Overloading
- Roadworthiness
- Securing of loads
- Covering of any loads that could generate dust
- Avoiding spillage of liquids, sand, soil or other material

General consideration and courtesy to other road users will also be expected of drivers.

PES11 OVERHEAD POWER LINES

Where work is being carried out in the vicinity of overhead power lines, the Contractor is responsible for ensuring that all persons working in such areas are aware of the relatively large distance that high voltage electricity can 'short' to earth when large masses of steel such as steel pipes or machinery are close to power lines. The Contractor's attention is drawn to OHS Act (1993) which gives safe clearances for various voltages.

PES12 REMOVAL OF PROTECTED PLANTS FROM SITE

Certain species of indigenous plants that occur on the site are protected by law. A horticulturist has been designated the responsibility for relocating these plants from the "Working Area" prior to the Contractor moving on site.

No removal of any plants from beyond the Working Area will be permitted. The Contractor shall be responsible to ensure that no unauthorized removal of plants is allowed. In the event of removal of legally protected species, the persons responsible shall be liable for prosecution under the relevant provincial ordinance. Security Staff will report any infringements related to this.

The Contractor shall confirm with the ECO that the horticulturist has removed the said plants from the Working Area before the Contractor moves on site.

PES13 FIRE PREVENTION AND CONTROL

The Contractor and his staff are expected to be very conscious of fire risks. The Contractor shall hold fire prevention talks with staff to create an awareness of the risks of fire. Regular reminders to staff on this issue are required.

The Contractor shall at all times ensure that fires do not start or spread within the site or the environs thereof as a result of the Works or the actions of employees. In the event of such fire the Contractor shall immediately employ such plant and labour as is at his disposal and shall take all other necessary action to bring any such fire under control, all at his own cost.

A fire extinguisher must be on hand whenever welding or any other spark generating activity is conducted.

In addition, rubber beaters are to be on hand at all work stations at all times as these represent the quickest form of response to fire.

No fires may be made other than for the purpose of cooking. Cooking fires must be contained in a fire drum and be in a designated area approved by the Engineer. All fires are to be extinguished with water once they have served their purpose.

No fire is to be left unattended at any time.

No burning of grassland to clear is permitted.

No cutting of timber for firewood will be allowed.

No fires are to be allowed when the Fire Danger Index is high (46 and above) i.e. fire alert stage yellow.

The Contractor shall be liable for all costs and damages resulting from fire and firefighting.

PES14 ENVIRONMENTAL TRAINING

The Contractor shall be responsible for conducting Environmental Training amongst his employees to ensure that they have the necessary knowledge to comply with the Environmental Specifications. Employees should be made aware of the Environmental Specifications and the reasons for them.

PES15 WORK STOPPAGE

The Engineer shall have the right to order work to be stopped in the event of significant infringements of the Environmental Specifications until the situation is rectified in compliance with the specifications. In this event the Contractor shall not be entitled to claim for delays.

This clause shall apply in the case of infringements of a nature whereby full remediation of circumstances arising from the infringement will not be possible at a later date. For example, mixing topsoil with subsoil; activities that are polluting or may cause pollution of water.

PES16 ENVIRONMENTAL MONITORING

The Engineer will monitor the Contractor's performance in relation to the Environmental Specifications on a daily basis. He will be assisted in this regard by the Environmental Control Officer.

The ECO shall inspect the site on a regular basis. After each ECO site visit a report will be submitted to the Engineer and Okhahlamba Local Municipality. The content of these reports will be made known to the Contractor by the Engineer. Any infringement of the Environmental Specification will be indicated in the report. These reports will also aim to anticipate problems which may arise so that the Contractor can be alerted to potential environmental risks and take appropriate action.

PES17 MEASUREMENT AND PAYMENT

The Tendered rates shall be deemed to cover all costs associated with the compliance with the Environmental Specification.

C3.3.4 DRAWINGS

1. Bound into this Document

<u>Drawing Number</u>	<u>Description</u>
001	4/1.5m x 1.5m PRECAST PORTAL CULVERT – General Arrangement
002	4/1.5m x 1.5m PRECAST PORTAL CULVERT – Concrete and Reinforcement Details

NOTE:

Originals of reduced drawings are available for inspection at the offices of the Engineer, or copies may be purchased by arrangement with the Engineer. No claims for misunderstanding reduced drawings will be considered.

C3.4. LABOUR SPECIFICATIONS

This part of the project Specifications contains comprehensive additional specifications for matters not covered by and work, which is not carried out in terms of the Standard Specifications.

The number of each clause and each payment item in this part of the Project Specification is prefixed with an L to differentiate these clauses and items as additional works.

The following additional specifications are covered under this part of the Scope of Work:

L.1 EMPLOYMENT OF LOCAL LABOUR AND TRAINING REQUIREMENTS

L1.1 SCOPE

The specification sets out the requirements relating to the employment of local labour by involving the community through the established structures as well as the training requirements for these labourers.

L1.2 DEFINITIONS

The definitions given in the conditions of contract, the Contract Data and the Works specifications, together with the following additional definitions shall, unless the context dictates otherwise, apply:

'Key Personnel' means all contract managers, site agents, materials and survey technicians, trainers, supervisors, foremen, skilled plant operators and the like, and all other personnel in the permanent employ of the Contractor or subcontractor who possess special skills and/or who play key roles in the Contractor's or subcontractor's operation.

'Labourer' means a worker statutorily defined as employees in the Basic Conditions of Employment Act, 1997, who is temporarily or permanently employed by the Contractor and sub-contractors to perform prescribed work on this Contract. 'Labour' means labourers or workers.

'Labour Register' means the list of available Local Labourers compiled by the Community Liaison Officer (CLO) in co-operation with the Project Steering Committee (PSC) in accordance with the results of their negotiations with the Contractor and the Local Community subsequent to the awarding of the Contract.

'Local Labourer' means a worker who is normally permanently residing in the target area(s) as defined by the Employer in the Works Specifications and who is available to be temporarily employed by the Contractor and subcontractors to perform prescribed tasks that form part of the Works.

'Targeted Labour' means the Local Labourers, who are defined as the target group for the Contract as normally permanently residing in the target area(s) as defined by the Employer in the Works Specifications. It is incumbent on individuals defined as Target Labour to demonstrate their claims to such residency on the basis of identification and association with and recognition by members of the community residing within the target area. It is incumbent on individuals to provide evidence of qualifying for the target groups.

'Worker' for the purposes of this specification means any person, not being one of the Contractor's key personnel, nor any key personnel of any subcontractor, who is engaged by the Contractor, a subcontractor or the Employer and paid on an hourly paid basis to participate in the execution of any part of the contract works and shall include unskilled labour, semi-skilled and skilled labour, artisans, clerical workers and the like.

'Workforce' means the aggregate body comprising of all workers and shall, unless the context dictates otherwise, include the workforces of the Contractor and all subcontractors.

L1.3 ENGAGEMENT OF LOCAL LABOUR

The temporary workforce shall, as far as practically possible, and with the exception of key personnel, be recruited /selected from the local communities living in WARD 1.

Prior to the award of the Contract, the Employer shall, at his own cost, take all necessary actions to advertise within the local communities of the fact that the Contract will provide temporary employment opportunities and preference will be given to the use of the Local Labour on this Contract. Labourers and workers of the local community required by the Contractor shall be recruited/chosen from a Labour Register and appointed for work to enable the Contractor to comply with the specific minimum

target value set for the Contract Participation Goal (CPG) for the Contract. Labourers and workers of the Local community who are engaged by other employers in paid positions of employment shall not be eligible for inclusion on the Labour Register.

L1.3.1 Employment of Local Labourers

Upon the award of the Contract the Contractor shall without delay consult with the Project Steering Committee (PSC), the Engineer and the Employer, and appoint a Community Liaison Officer (CLO) from a shortlist provided by the PSC, if so instructed, who is mutually acceptable to all parties. The Community Liaison Officer shall negotiate with the Contractor and the PSC and compile the required list of available Local Labourers called the Labour Register (Labour Desk).

The Contractor shall select and appoint temporary contract workers required for work included in the Contract from the available Local Labourers listed in the Labour Register with due observance of the skills required for the work in question.

L1.3.2 Selection of Local Labourers

The Contractor shall advise the CLO and the PSC in writing of the various categories of Local Labourers required for construction and the number of Local Labourers required in each category, together with the personal attributes which he considers desirable that each category of Local Labourers shall possess, taking due cognizance of the provisions of the Contract relating to Training.

The Contractor shall make his selection of Local Labourers from the applicants in the Labour Register, taking due cognizance of his requirements for the workforce and the provisions of the Contract in regard of the provision of Training to the workforce and in accordance with the following principles:

- (a) No potential Local Labourer shall be precluded from being employed by the Contractor on the execution of the Works by virtue of his lack of skill in any suitable operation forming part of the Works unless:
 - i) All available vacancies have been or can be filled by labourers who already possess suitable skills; or
 - ii) The completion period allowed in the Contract, or the remaining portion of the Contract period (as the case may be) is sufficient to facilitate the creation of the necessary skills;
- (b) Preference shall be given to the long-term and single heads of households;
- (c) The Contractor shall, in so far as is reasonably practicable, accommodate the applicant's expressed preferences regarding the types of work for which they are selected;
- (d) The selection process shall make provision for, but shall not be limited to, the inclusion in the Labour Register of disabled Local Labourers who are deemed capable to perform selected tasks, youths who are older than sixteen but not older than thirty-five years and women.

After making his selection, the Contractor shall advise the CLO and the Engineer thereof in writing, and the Engineer, with the assistance of the CLO has the right to call a meeting with PSC and the Local Community for the purpose of ratifying the Contractor's selection. The Contractor shall attend such meeting and where reasonably required, shall motivate his selection. Should the Engineer or the Local Community make reasonable objection to the selection of any particular applicant by the Contractor, the Contractor shall not employ such applicant and shall select another suitable applicant acceptable to the Engineer and the Local Community as a replacement of the rejected applicant, in order to finalize the composition of the workforce.

The provisions this clause shall also apply in respect of the selection of additional or replacement members of the workforce as may be necessary from time to time for the execution and completion of the Works.

L1.4 CONTRACTUAL REQUIREMENTS

L1.4.1 Legislation

The onus shall be on the Contractor to ensure that all statutory requirements applicable to the employment of Labour are observed.

L1.4.2 Labour content

The Labour Content (LC) of the Contract shall be determined as follows:

LC = total value of wages, allowances and costs paid to local labourers, including those employed by sub-contractors.

The total Rand value of the Labour Content, expressed as a percentage of the total Award Value (Contract Price exclusive of VAT, Provisional Sums, Prime Cost Sums and allowances for contingencies and escalation), shall be defined as the Labour

Content Percentage.

L1.4.3 Targeted labour

The targeted labour shall be as specified in Section C3.3 of the Works Specification. The definitions, provisions and specifications of the South African National Standard Specification SANS1914-5:2002, Targeted Construction Procurement: Part 5: Participation of Targeted Labour will apply to this contract. Should there however be conflict between SANS1914-5: 2002 and the Works n, the latter shall take precedence and prevail.

The Contractor shall engage targeted labour directly in the execution of the Works to the extent that the monetary value (Labour Content) of such engagement, expressed as a percentage of the Award Value (Contract Price exclusive of VAT, Provisional Sums, Prime Cost Sums and allowances for contingencies and escalation), is not less than the Contract Participation Goal (CPG).

L1.4.4 Records and reporting

The Contractor shall maintain accurate and comprehensive records of all local labourers engaged on the contract. Forms 1 to 4 (of which pro-formas are included in Part C1: Agreements and Contract Data) shall be completed and submitted to the Engineer at the end of each month, from the Commencement date up to the completion of the Contract. Form 3 may be substituted by the use of electronic banking records provided that the system can be audited.

The completed forms shall accompany the Contractor's monthly claim presented to the Engineer for payment of certified completed work. The Employer reserves the right to delay payments due to the Contractor should the Contractor fail to provide any item of required documentation to the approval of the Engineer.

The Contractors Labour Content performance will be measured at the end of each month in order to monitor the extent to which he is striving to reach the Local Labour Goal specified in Section C3.3 of the Works Specification.

The contractor shall, on completion of the contract, and as a pre-requisite event to the release of any retention money in terms of the conditions of contract, provide the Engineer with independently audited documentary evidence of the total actually paid to the workforce and the number of workers days generated during the contract.

L1.4.5 SANCTIONS

In the event that the Contractor fails to substantiate that any failure to achieve the Local Labour Goal was due to quantitative under runs, the elimination of items, or any other reason beyond the Contractor's control which may be acceptable to the Employer, the Contractor shall be liable to pay to the Employer a financial penalty (P) calculated in accordance with the following formula:

$$P = 0,01 \times (L_M - L_A) \times V_A.$$

Where:

P = Rand value of penalty payable.

V_A = Award value (Contract Price exclusive of VAT, Provisional Sums, Prime Cost Sums and allowances for contingencies and escalation)

L_M = Local Labour Goal stated in the Project Document

L_A = The local labour component which the Employer's Representative certifies as being achieved upon completion of the contract.

L1.5 PROJECT STEERING COMMITTEE

When required a Project Steering Committee (PSC) shall be established to manage the project, consisting of members elected from each of the wards along the project road. The Contractor will have one senior member of his staff as representative on the PSC without any voting powers.

The Contractor will report all progress, deviations from the Contract, deviations from the programme, labour related matters, and financial progress to the PSC.

The PSC will act as liaison channel between the Contractor and the community. The PSC will assist the Contractor in identifying and recruiting local labour for the project.

The Contractor shall hold meetings with the PSC on a regular basis (at least once per month but not more than twice per month) to ensure that the PSC is informed and aware of progress and problems that may arise.

Allowance is made for the payment of subsistence/travel allowances to the members of the PSC attending meetings with the Contractor, by the Contractor in the Schedule of Quantities.

L1.6 COMMUNITY LIAISON OFFICER

L1.6.1 Appointment

The Contractor shall appoint a Community Liaison Officer (CLO) after consultation with the WARD COMMITTEE and the Ward Councillor Project Steering Committee (PSC), the Engineer and the Employer, as a link between the Ward Committee, Ward Councillor and Local Community PSC and the Contractor. The Community Liaison Officer shall be nominated by the Ward Committee and Ward Councillor PSC and shall be appointed as a member of the Contractor's management personnel and the Contractor's normal employment conditions shall be applicable to the appointment. The Contractor shall disclose his normal employment conditions to the Engineer when called upon to do so.

L1.6.2 Duties of the Community Liaison Officer

The Community Liaison Officer shall:

- (a) be available on Site daily between the hours agreed on by the Contractor, the Employer and the Engineer from time to time;
- (b) assist the Contractor in the identification of suitable trainees and shall attend one of each of the training sessions;
- (c) communicate with the Contractor and the Engineer to determine the labour requirements with regard to the numbers and skills;
- (d) assist in maintaining good labour relations, and when applicable partake in Labourers' grievances and dispute procedures;
- (e) assist in and facilitate the recruitment of suitable temporary labour and the establishment of the Labour Register (Labour Desk);
- (f) attend all meetings in which the Local Community and/or Labourers are present or are required to be represented;
- (g) assist in the identification, and screening of Labourers from the Local Community in accordance with the Contractor's requirements;
- (h) inform temporary Labourers of their conditions of temporary employment, and inform temporary Labourers as early as possible when their period of employment will be terminated;
- (i) attend disciplinary proceedings to ensure that hearings are fair and reasonable;
- (j) keep a daily written record of his interviews and community liaison activities;
- (k) carry out specific tasks ordered by the Engineer;
- (l) perform such other duties as required and agreed upon between all parties concerned.

L1.6.3 Remuneration

The remuneration of the Community Liaison Officer shall be determined jointly by the Contractor, Engineer and the Employer. A Provisional Sum is provided in the Schedule of Quantities to cover the remuneration of the Community Liaison Officer. The current LOCAL RATE for payment of a CLO at Okhahlamba is R180.00 / Day.

The Community liaison Officer shall only be employed and paid for the period in which the duties of a Community Liaison Officer are required as agreed on by the Engineer and the Contractor.

L1.7 TRAINING REQUIREMENTS

Where training is specified in the Contract, the Contractor shall implement a formal training programme in which the various skills required for the execution and completion of the works are imparted to the workers, and where applicable, subcontractors engaged therein, in a programmed and progressive manner. Workers shall be trained progressively throughout the duration of the contract in the various stages of a particular type of work.

All Training shall take place during normal working hours and the Contractor shall make adequate allowance in his programme of work to accommodate the Training to be provided in terms of the Contract and shall ensure that the workers are available at the appropriate times to undergo such Training.

The Contractor shall submit with his tender full details of the formal training, which he intends to implement on the Contract. Details of the proposed Training shall be provided on Schedule of Proposed Training in the: Returnable Schedules and shall include the following:

- (a) The name of the training institution and course programme.
- (b) Each type of training and course content synopsis.

- (c) The manner in which the training is to be delivered.

The cost of the Training in accordance with the Contractor's Schedule of Proposed Training programme shall not exceed the sums provided for Training in the relevant pay items in the Bill / Schedule of Quantities.

The Contractor's Training schedule shall be subject to the approval of the Engineer, and the Contractor shall, if so instructed by the Engineer, alter or amend the Training schedule and its contents to suit changing conditions on the Site and changes in the Contractor's programme of work.

L1.7.1 Training of Local Labourers

Depending on the requirements of the Contract the Training shall make provision for on-site hands-on Training, courses presented in-house by the Contractor, and selected courses presented by institutions accredited by the Construction, Education and Training Authority (CETA) or other institution recognized by the Department of Labour and the Employer.

Each Labourer shall receive basic instructions and on-site hands-on training for the category of work required to be executed by him/her.

An approved number of Local Labourers chosen by the Contractor in conjunction with the Engineer shall attend in-house courses conducted by trainers in the employ of the Contractor in accordance with the approved Training programme to satisfy the need for trained Labourers on the Site.

Where formal accredited training is specified in the Contract, Local Labourers with the required aptitude shall be nominated by the Contractor, and subject to the approval of the Engineer, shall attend approved formal training courses presented by accredited institutions and considered essential for the execution of the Works.

For this purpose, the Contractor shall submit a selection of courses from known training institutions accredited by the Construction, Education and Training Authority (CETA) or other institution recognized by the Department of Labour and the Employer from which the Engineer will choose the courses to be attended by the nominated and approval Local Labourers.

L1.7.2 Training for Emerging Contractors (SMME's)

The Contractor shall closely monitor the performance of the principals of Emerging Contractors (SMME's), the execution of their subcontracts and shall identify those who, in his opinion, display the potential to benefit from formal Training provided for in the Contract, and when required by the Engineer, the Contractor shall make recommendations in this regard. The final list of candidates will be decided on between the Contractor and the Engineer.

Where required, Emerging Contractors engaged by the Contractor shall receive training and guidance according to an approved formal training programme, which comprises both management skills and business development skills.

The Contractor shall, when requested provide full details of any additional accredited and in-house training, viewed to be necessary by the Contractor, which he intends to implement at his own cost.

If so indicated, the Contractor shall alter or amend the formal training programme and its contents to suit changing conditions on Site and changes in the contractor's programme of work.

L1.7.3 Labourers remunerated during training

All Local Labourers employed by the Contractor shall be remunerated in respect of the time spent undergoing formal training. Payment for Labourers in respect of training periods during which no productive work is executed, shall be reimbursed to the Contractor as provided for in the Bill / Schedule of Quantities.

L1.7.4 Non-compliance

If at any stage the Engineer notifies the Employee in writing that the Contractor is not complying with the requirements of the Contract in respect of the training to be provided to Local and other Labourers and to the Emerging Contractors, then the Employer is entitled to appoint competent firms or persons to conduct the specified training at the Contractor's expense and the amounts paid to such firms or persons will be deducted from the Contractor's payment.

The Contractor shall be obliged to make Local Labourers and other employees available for Training when so required by the Engineer.

L1.8 FORMAL TRAINING

L1.8.1 General

The formal skills training programme to be implemented by the Contractor shall comply with the following minimum standards:

- (a) Be accredited by the Construction, Education and Training Authority (CETA) or other institution recognized by the Department of Labour, as being appropriate for this project.
- (b) Be delivered by suitably qualified and experienced trainers accredited to do so.
- (c) Be delivered in the modules as described by an authorized Training Centre. The modules listed are those considered applicable to most civil engineering projects and shall serve as a guide only for planning purposes. The actual training needs, training agency and programme shall be agreed with the Engineer prior to implementation.

The Contractor shall be responsible for the provision of everything necessary for the delivery of the skills training programme, including the following:

- (a) Sufficient skilled, competent and accredited trainers to deliver the training programme to all workers in accordance with the training programme;
- (b) A suitably furnished venue (if required)
- (c) Transport to and from the works (as necessary)
- (d) Tools, equipment and teaching aids;
- (e) Stationery and all other necessary materials

All members of the workforce will initially receive training in the module. Road safety for construction workers followed by training in the various work activity modules depending on the activities for which they will be employed. Each worker employed must be given the opportunity of completing at least one of the work activity modules during the initial training period, with further training being given on merit.

The Contractor shall keep comprehensive records of the training given to each worker as well as the nature and number of work tasks executed by the worker and whenever required shall provide copies of such records to the Engineer.

The Contractor shall in so far as it is reasonable and practical taking due and cognizance of the nature of the works to be executed at any given time, use training workers on those aspects of the works for which they have been trained.

L1.8.2 Accredited training and attendance

Only qualified trainers employed by training agencies that are accredited by the Construction, Education and Training Authority (CETA), or other institution recognized by the Department of Labour shall deliver all training. Accredited training referred to both the trainers as well as to the training material. Certificates affirming the successful participation in the various courses shall be presented to each attendant.

The Contractor shall facilitate in the delivery of training by instructing and motivating the hired local Labour, supervisors and subcontractors regarding attendance and participation.

All training shall take place within normal working hours or as agreed with the trainees.

L1.8.3 Supervisors

Attention shall be given to the formal and informal training of supervisors.

Candidates having the potential to become supervisors shall be selected from amongst the workforce and be given additional formal and informal training as outlined above. This selection will take place only once the initial skills training has been completed and workers have been given sufficient opportunity to prove their worth.

L1.8.4 Training records and certificates

The Contractor shall keep comprehensive records of the formal training given to each Labourer and principal of the Emerging Contractor and whenever required shall provide copies of such records to the Engineer. At the successful completion of each course each participant shall be issued with certificate indicating the course contents as proof of attendance and completion.

L1.8.5 Labour / Training Agent

If specified in the Contract, the Contractor shall appoint a Labour / Training Agent, subject to the written approval of the Engineer. The Labour / Training Agent shall be on the Site at all times when Local and other Labourers are executing work allocated to them. The labour / Training Agent shall report in writing to the Engineer on a daily basis on the work executed by the Local and other Labourers in the employ of the Contractor, the quality of the work the progress and all other information that the Engineer may require. The Labour / Training Agent shall also be responsible for those aspects of training which are assigned to him the Contract.

L1.8.6 Training centre

If so, specified in the Contract a suitable on-site Training centre shall be provided by the Contractor to the satisfaction of the Engineer. The Training centre shall comply with the specifications for site offices as specified in the Specifications Measurement and payment of the Training centre and the required equipment shall be as specified in the Project Specification.

L2 SPECIFICATION FOR LABOUR-INTENSIVE CONSTRUCTION (EPWP)

L2.1 SCOPE

In order to reduce unemployment, the Government has initiated the promotion of labour-intensive Expanded Public Works Programme (EPWP) projects.

The Expanded Public Works Programme (EPWP) is a short term, non-permanent, labour-intensive programme initiated by Government and funded wither fully or partially, from public resources to provide a public asset.

This specification sets out the provisions and requirements relating to labour-intensive construction for Expanded Public Works Programme (EPWP) projects.

L2.2 DEFINITIONS

For the purpose of this Contract, the definitions given in the Contract Data, the Standard Specifications, and the Works Specifications, together with the following additional definitions shall, unless the context dictates otherwise, apply:

'Labour-intensive' means the economically efficient employment of as many unskilled or semi-skilled Local Labourers as is technically feasible for it identifies portion or section of the Works.

'Subcontractor' means any person or group of persons in association, or firm, or body corporate (whether formally constituted or otherwise) not being the Contractor, to whom specific portions or aspects of the works are sublet or subcontracted by the Contractor in accordance with the provisions of the contract.

'Workforce' means the aggregate body comprising of all workers and shall, unless the context dictates otherwise, include the workforces of the Contractor and all subcontractors.

Standard specifications (those normally used by the public bodies) are to be utilised. It is necessary, however, to include certain requirements in the scope of work to implement labour-intensive works in accordance with the provisions of these Guidelines.

L2.3 LABOUR-INTENSIVE COMPETENCIES OF CONTRACTOR'S STAFF

L2.3.1 Eligibility requirements

A contract will only be entered into with a tenderer who has in his employ management and supervisory staff satisfying the requirements of the scope of work for labour-intensive competencies for supervisory and management staff.

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

L2.3.2 Labour-intensive competencies of supervisory and management staff

Established contractors shall only engage supervisory and management staff in labour intensive works who have either completed, or for the period 1 April 2004 to 30 June 2005, are registered for training towards, the skills programme outlined in Table 1.

Emerging contractors shall have personally completed, or be registered on a skills programme for the NQF level 2-unit standard. All other site supervisory staff in the employ of emerging contractors must have completed, or be registered on a skills programme for, the NQF level 2-unit standards or NQF level 4-unit standards.

Table 1: Skills programme for supervisory and management staff

Personnel	NQF Level	Unit standard titles	Skills programme description
Team leader / supervisor	2	Apply Labour Intensive Construction Systems and Techniques to Work Activities	This unit standard must be completed, and
		Use Labour Intensive Construction Methods to Construct and Maintain Roads and Storm water Drainage	Any one of these 3-unit standards
		Use Labour Intensive Construction Methods to Construct and Maintain Water and Sanitation Services	
		Use Labour Intensive Construction Methods to Construct, Repair and Maintain Structures	
Foreman/ supervisor	4	Implement labour Intensive Construction Systems and Techniques	This unit standard must be completed, and
		Use Labour Intensive Construction Methods to Construct and Maintain Roads and Storm water Drainage	Any one of these 3-unit standards
		Use Labour Intensive Construction Methods to Construct and Maintain Water and Sanitation Services	
		Use Labour Intensive Construction Methods to Construct, Repair and Maintain Structures	
Site Agent / Manager (i.e. the contractor's most senior representative that is resident on the site)	5	Manage Labour Intensive Construction Processes	Skills Programme against this single unit standard
Details of these skills programmes may be obtained from the CETA ETQA manager (e-mail: gerard@ceta.co.za , Tel: 011-265 5900)			

L2.4 STANDARD CONDITIONS OF EMPLOYMENT FOR EXPANDED PUBLIC WORKS PROGRAMME (EPWP) PROJECTS

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

L2.4.1 Introduction

This document contains the standard terms and conditions for workers employed in elementary occupations on an Expanded Public Works Programme (EPWP). These terms and conditions do NOT apply to persons employed in the supervision and management of an EPWP.

Additional Definitions:

The following additional definitions shall, unless the context dictates otherwise, apply:

- (a) **“department”** means any department of the State, implementing agent or contractor;
- (b) **“employer”** means any department, implementing agency or contractor that hires workers to work in elementary occupations on an EPWP;
- (c) **“worker”** means any person working in an elementary occupation on an EPWP;
- (d) **“elementary occupation”** means any occupation involving unskilled or semi-skilled work;
- (e) **“management”** means any person employed by a department or implementing agency to administer or execute an EPWP;
- (f) **“task”** means a fixed quantity of work;
- (g) **“task-based work”** means work in which a worker is paid a fixed rate for performing a task;
- (h) **“task-rated worker”** means a worker paid on the basis of the number of tasks completed;
- (i) **“time-rated worker”** means a worker paid on the basis of the length of time worked.

L2.4.2 Terms of Work

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

L2.4.3 Normal Hours of Work

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

L2.4.4 Meal Breaks

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

L2.4.5 Special Conditions for Security Guards

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

L2.4.6 Daily Rest Period

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

L2.4.7 Weekly Rest Period

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

L2.4.8 Work on Sundays and Public Holidays

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

L2.4.9 Sick Leave

- (a) Only workers who work four or more days per week have the right to claim sick-pay in terms of this clause.
- (b) A worker who is unable to work on account of illness or injury is entitled to claim one day’s paid sick leave for every full month that the worker has worked in terms of a contract.
- (c) A worker may accumulate a maximum of twelve days’ sick leave in a year.
- (d) Accumulated sick leave may not be transferred from one contract to another contract.
- (e) An employer must pay a task-rated worker the worker’s daily task rate for a day’s sick leave.
- (f) An employer must pay a time-rated worker the worker’s daily rate of pay for a day’s sick leave.

- (g) An employer must pay a worker sick pay on the worker's usual payday.
- (h) Before paying sick-pay, an employer may require a worker to produce a certificate stating that the worker was unable to work on account of sickness or injury if the worker is:
 - i) Absent from work for more than two consecutive days; or
 - ii) Absent from work on more than two occasions in any eight-week period.
- (i) A medical certificate must be issued and signed by a medical practitioner, a qualified nurse or a clinic staff member authorized to issue medical certificates indicating the duration and reason for incapacity.
- (j) A worker is not entitled to paid sick-leave for a work-related injury or occupational disease for which the worker can claim compensation under the Compensation for Occupational Injuries and Diseases Act.

L2.4.10 Maternity Leave

- (a) A worker may take up to four consecutive months' unpaid maternity leave.
- (b) A worker is not entitled to any payment or employment-related benefits during maternity leave.
- (c) A worker must give her employer reasonable notice of when she will start maternity leave and when she will return to work.
- (d) A worker is not required to take the full period of maternity leave. However, a worker may not work for four weeks before the expected date of birth of her child or for six weeks after the birth of her child, unless a medical practitioner, midwife or qualified nurse certifies that she is fit to do so.
- (e) A worker may begin maternity leave:
 - i) Four weeks before the expected date of birth; or
 - ii) On an earlier date:
 - If a medical practitioner, midwife or certified nurse certifies that it is necessary for the health of the worker or that of her unborn child; or
 - If agreed to between employer and worker; or
 - iii) On a later date, if a medical practitioner, midwife or certified nurse has certified that the worker is able to continue to work without endangering her health.
- (f) A worker who has a miscarriage during the third trimester of pregnancy or bears a stillborn child may take maternity leave for up to six weeks after the miscarriage or stillbirth.
- (g) A worker who returns to work after maternity leave, has the right to start a new cycle of twenty-four months employment, unless the EPWP on which she was employed has ended.

L2.4.11 Family responsibility leave

Workers, who work for at least four days per week, are entitled to three days paid family responsibility leave each year in the following circumstances:

- (a) When the employee's child is born;
- (b) When the employee's child is sick;
- (c) In the event of a death of:
 - i) The employee's spouse or life partner;
 - ii) The employee's parent, adoptive parent, grandparent, child, adopted child, grandchild or sibling.

L2.4.12 Statement of Conditions

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

L2.4.13 Keeping Records

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

L2.4.14 Payment

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

L2.4.15 Deductions

- (a) An employer may not deduct money from a worker's payment unless the deduction is required in terms of a law.
- (b) An employer must deduct and pay to the SA Revenue Services any income tax that the worker is required to pay.
- (c) An employer who deducts money from a worker's pay for payment to another person must pay the money to that person within the time period and other requirements specified in the agreement law, court order or arbitration award concerned.
- (d) An employer may not require or allow a worker to:
 - i) repay any payment except an overpayment previously made by the employer by mistake;
 - ii) state that the worker received a greater amount of money than the employer actually paid to the worker; or
 - iii) pay the employer or any other person for having been employed.

L2.4.16 Health and Safety

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

L2.4.17 Compensation for Injuries and Diseases

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

L2.4.18 Termination

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

L2.4.19 Certificate of Service

- (a) On termination of employment, a worker is entitled to a certificate stating:
 - i) The worker's full name;
 - ii) The name and address of the employer;
 - iii) The EPWP on which the worker worked;
 - iv) The work performed by the worker;
 - v) Any training received by the worker as part of the EPWP;
 - vi) The period for which the worker worked on the EPWP; and
 - vii) Any other information agreed on by the employer and worker.

L2.5 VARIATIONS TO STANDARD CONDITIONS OF EMPLOYMENT FOR EXPANDED PUBLIC WORKS PROGRAMME (EPWP) PROJECTS

Notwithstanding the provisions of the abovementioned Ministerial Determination, Expanded Public Works Programmes, issued in terms of the Basic Conditions of Employment Act of 1997 by the Minister of Labour in Government Notice No R63 of 25 January 2002, the Contractor shall comply with the following relevant statutory legislation:

- (a) Basic Conditions of Employment Act 75 of 1997
- (b) Labour Relations Act 66 of 1995
- (c) Employment Equity Act 55 of 1998 (Chapters 1 and 2)
- (d) Occupational Health and Safety Act 85 of 1993
- (e) Compensation for Occupational Injuries and Diseases Act 130 of 1993
- (f) Skills Development Act of 1998

The statutory Department of Labour's Government Notice No. R204 of 2 March 2001: Basic Conditions of Employment Act (No. 75 of 1997): Sectoral Determination 2: Civil Engineering Sector, South Africa as amended shall apply in respect of any employer or employee associated with the contract.

For the purposes of this contract, the following variations to the above-mentioned Ministerial Determination, Expanded Public Works Programmes, issued in terms of the Basic Conditions of Employment Act of 1997 by the Minister of Labour in Government Notice No. R63 of 25 January 2002 shall apply. The Sub-clause numbers refer to the relevant Sub-clause number under Sub-clause E2.4 above.

Delete Sub Sub-clause E2.4.3 and replace with the following:

"Clauses 8, 9 and 10 of the Department of Labour Government Notice No. R204 of 2 March 2001: Basic Conditions of Employment Act (No. 75 of 1997): Sectoral Determination 2: Civil Engineering Sector, South Africa shall apply. Clause 8 makes provision for 45 hours/week."

Delete Sub Sub-clauses E2.4.6 and E2.4.7 and replace with the following:

“Clause 12 of the Department of Labour Government Notice No. R204 of 2 March 2001: Basic Conditions of Employment Act (no. 75 of 1997): Sectoral Determination 2: Civil Engineering Sector, South Africa shall apply. Clause 12 makes provision for a daily rest period of 12 consecutive hours and a weekly rest period of 36 consecutive hours.”

Delete Sub-sub-clause E2.4.14 and replace with the following:

“Sub-clause 5(1) (a) of the Department of Labour Government Notice No. R204 of 2 March 2001: Basic Conditions of Employment Act (No. 75 of 1997): Sectoral Determination 2: Civil Engineering Sector, South Africa shall apply. Sub-clause 5(1) (a) makes provision for employees to be paid weekly, fortnightly or monthly.”

L2.6
L2.6.1 **EMPLOYMENT OF UNSKILLED AND SEMI-SKILLED WORKERS IN LABOUR INTENSIVE WORKS**
Requirements for the sourcing and engagement of labour.

- (a) Unskilled and semi-skilled labour required for the execution of all labour-intensive works shall be engaged strictly in accordance with prevailing legislation, SANS 1914-5, Participation of Targeted Labour and the Works Specification.
- (b) **The current minimum daily wage rate for unskilled labour is as determined by EPWP.**
- (c) Tasks established by the contractor must be such that:
 - i) The average worker completes 5 tasks per week in 40 hours or less; and
 - ii) The weakest worker completes 5 tasks per week in 55 hours or less.
- (d) The contractor must revise the time taken to complete a task whenever it is established that the time taken to complete a weekly task is not within the requirements of sub-sub-clause E2.6.1 (c) above.
- (e) The Contractor shall, through all available community structures, inform the local community of the labour-intensive works and the employment opportunities presented thereby. Preference must be given to people with previous practical experience in construction and / or who come from households:
 - i) Where the head of the household has less than a primary school education;
 - ii) That have less than one full time person earning an income;
 - iii) Where subsistence agriculture is the source of income; and
 - iv) Those that are not in receipt of any social security pension income
- (g) The Contractor shall endeavour to ensure that the expenditure on the employment of temporary workers is in the following proportions:
 - i) 40% women;
 - ii) 20% youth who are between the ages of 18 and 35; and
 - iii) 2% persons with disabilities.

L2.6.2 **Specific provisions pertaining to SANS 1914-5**

(a) Definitions

Targeted labour: Unemployed persons who are employed as local labour on the project.

(b) Contract participation goals

- i) The specified contract participation goal for the contract is 20% of the award value. The contract participation goal shall be measured in the performance of the contract to enable the employment provided to targeted labour to be quantified.
- ii) The wages and allowances used to calculate the contract participation goal shall, with respect to both time-rated and task rated workers, comprise all wages paid and any training allowance paid in respect of agreed training programmes.

(c) Terms and conditions for the engagement of targeted labour

Further to the provisions of clause 3.3.2 of SANS 1914-5, written contracts shall be entered into with targeted labour.

(d) Variations to SANS 1914-5

- i) The definition for net amount shall be amended as follows:
- ii) Financial value of the contract upon completion, exclusive of any value added tax or sales tax, which the law requires the employer to pay the contractor.

- iii) The schedule referred to in clause 5.2 shall in addition reflect the status of targeted labour as women, youth and persons with disabilities and the number of days of formal training provided to targeted labour.

L2.6.3 Training of targeted labour

- (a) The Contractor shall provide all the necessary on-the-job training to targeted labour to enable such labour to master the basic work techniques required to undertake the work in accordance with the requirements of the contract in a manner that does not compromise worker health and safety.
- (b) The cost of the formal training of targeted labour will be funded by the local office of the Department of Labour. This training will take place as close to the project site as practically possible. The contractor must access this training by informing the relevant regional office of the Department of Labour in writing, within 14 days of being awarded the contract, of the likely number of persons that will undergo
- (c) training and when such training is required. The Employer and the Department of Public Works (Fax: 012 3258625/ EPWP Unit, Private Bag X65, Pretoria 0001) must be furnished with a copy of this request.
- (d) The Contractor shall do nothing to dissuade targeted labour from participating in training programmes and shall take all reasonable steps to ensure that each beneficiary is provided with two days of formal training for every 22 days worked.
- (e) An allowance equal to 100% of the task rate or daily rate shall be paid by the contractor to workers who attend formal training, in terms of sub clause E2.6.3(c) above.
- (f) Proof of compliance with the requirements of sub-clause E2.6.3 (b) to (d) must be provided by the Contractor to the Employer prior to submission of the final payment certificate.

L2.7 GENERIC LABOUR-INTENSIVE SPECIFICATION

L2.7.1 Applicable Standardized Specification

The Construction and Management Requirements for Works Contracts:

Specification SANS 1921-5: 2004, Part 5: Earthworks Activities, which are to be performed by Hand, shall apply as additional Works Specifications to this contract. The South African National Standard SANS 1921-5: 2005 Specification is not bound in this document and it may be obtained from South African Standards (website www.stansa.co.za) or viewed by appointment at the offices of the Employer's Representative during normal working hours.

L2.7.2 Variations to SANS 1921-5: 2004, Part 5: Earthworks activities, which are to be performed by hand

Clause 4.2: Trench excavation

Add the following to sub-clause 4.2.1:

“The trenches which are to be excavated by hand are up to 1,5m deep.”

Clause 4.4: Excavations other than in trenches

Replace sub-sub-clause 4.4.1 with the following:

“All material excavatable by hand related to the items listed in Table 4.13/1 shall be excavated by hand.”

Clause 4.7: Loading

Delete and replace with the following:

“Loading of material in areas difficult for the specialised equipment (restricted areas) shall be done by hand.”

Clause 4.8: Haul

Add the following:

“This clause shall not apply to this contract.”

Clause 4.10: Spreading

Add the following:

“This clause shall apply to this contract only provided the material can be economically spread by hand.”

Add the following new clauses 4.13 and 4.14:

“4.13: Labour-intensive Work

The items/activities that shall be done by hand are marked as such in Part C2.2: Schedule of Quantities in the column marked “LI” for Labour Intensive. These listed items and others indicated by the prefix LI in the Schedule of Quantities are compulsory and may not be executed in any other way.

The contractor may identify further activities to increase the labour component of the contract.

4.14: Manufactured Elements

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

The Contractor may also propose to the Engineer additional labour-based activities, or alternative activities in place of any of the above-mentioned activities that cannot be executed using labour-based methods due to unforeseen and abnormal circumstances.

The Contractor shall take cognizance of his General Obligations and the contribution of Targeted Labour to the Contractor Participation Goal (CPG) specified for the contract.

Before commencing with any labour-intensive operations, the Contractor shall discuss his intentions with the Engineer, and shall submit to the Engineer on a weekly basis, daily labour returns indicating the numbers of temporary personnel employed on the works and the activities on which they were engaged.”

L2.8 MEASUREMENT AND PAYMENT

Prescribed Labour-intensive work

Those parts of the Works included in the contract, which are to be constructed using labour-intensive methods have been marked in the Schedule / Bill of Quantities. The pay items or sub-items of the works, or parts of the works which are to be constructed using labour-intensive methods only are marked by the letter LI as included in the

Payment Refers Column for that item. The use of plant to provide such works, other than plant specifically provided for in the Scope of Work, is a variation to the contract. The items marked with LI are not necessarily an exhaustive list of all the activities which may be done by hand, and this clause does not over-ride any of the requirements in the generic labour-intensive specification in this Works Specifications.

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

PART C4: SITE INFORMATION

C4.1 GENERAL

- The proposed bridge is located in Zwelisha, under Okhahlamba Local Municipality within uThukela District Municipality.

Project Name	Span (m)	Terrain
Construction of Veriakop Bridge – Ward 9	Approximately 9.27m	Flat

This project consists of one culvert bridge:

Scope will include the following:

- Site establishment and de-establishment of offices, plant and equipment.
- Site clearance
- Demolish the existing structure
- Construct temporary detour
- Excavate to design level for the preparation of concrete base
- Steel fixing for the required concrete base
- Casting of concrete base
- Supply and install precast culvert
- Installation of required reinforced steel on top of precast culvert
- Preparation of approach slab on both sides of the road
- Casting of required reinforced concrete for the approach slab.
- Installation of gabions as specified areas and erosion protection.

- Coordinates:

Project Name	Co-ordinates	
Construction of Veriakop Bridge – Ward 9	28°68'04"S	29°10'78"E

C4.2 Locality Map



THE CONSTRUCTION OF THE VERIAKOP BRIDGE IN WARD 9 LOCALITY MAP

Project Name	Co-ordinates	
Construction of Veriakop Bridge – Ward 9	28°68'04"S	29°10'78"E

PART C5.1: DRAWINGS

C5.1.1 CONSTRUCTION SIGN BOARD

C5.1.2 CONSTRUCTION DRAWINGS