

PART A INVITATION TO BID

BID NUMBER:	WCNCB 10/09/2025	CLOSING DATE:	10/10/2025	CLOSING TIME:	11H00 AM
DESCRIPTION	CapeNature invites tenders for the repairs, alterations and upgrades to an existing house in Arniston.				
THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (WBD7).					

BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT CAPENATURE CAPE TOWN OFFICE

CapeNature Cape Town Office PGWC Shared Services Centre 3rd Floor Cnr Bosduif & Volstruis Streets Bridgetown 7764	Please note that a compulsory briefing session will be held on Tuesday 16 September 2025 at 11:00 AM, at ERF 252, 33 Main Road, Arniston.
Tender's Email Address (For submission of bid documents only): tenders@capenature.co.za	

SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
	WCSD REGISTRATION No.		AND	CSD No:	
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE [TICK APPLICABLE BOX]	<input type="checkbox"/> Yes		B-BBEE STATUS LEVEL SWORN AFFIDAVIT		<input type="checkbox"/> Yes
	<input type="checkbox"/> No				<input type="checkbox"/> No

IF YES, WHO WAS THE CERTIFICATE ISSUED BY?	<input type="checkbox"/>	A VERIFICATION AGENCY ACCREDITED BY THE SOUTH AFRICAN ACCREDITATION SYSTEM (SANAS)
	<input type="checkbox"/>	A REGISTERED AUDITOR

[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/SWORN AFFIDAVIT (FOR EMEs & QSEs) MUST BE SUBMITTED TOGETHER WITH A COMPLETED 6.1 IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]

ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]	ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ANSWER PART B:3 BELOW]
SIGNATURE OF BIDDER	DATE	
CAPACITY UNDER WHICH THIS BID IS SIGNED (Attach proof of authority to sign this bid; e.g. resolution of directors, etc.)			
TOTAL NUMBER OF ITEMS OFFERED		TOTAL BID PRICE (ALL INCLUSIVE)	
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:		TECHNICAL INFORMATION MAY BE DIRECTED TO:	
DEPARTMENT/ PUBLIC ENTITY	CapeNature	CONTACT PERSON	Ramese Mathews
CONTACT PERSON	Imran Brey	TELEPHONE NUMBER	087 087 3175
TELEPHONE NUMBER	087 087 4103	FACSIMILE NUMBER	N/A
FACSIMILE NUMBER	NA	E-MAIL ADDRESS	rmathews@capenature.co.za
E-MAIL ADDRESS	ibrey@capenature.co.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)
- 1.3. BIDDERS MUST REGISTER ON THE CENTRAL SUPPLIER DATABASE (CSD) TO UPLOAD MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS; AND BANKING INFORMATION FOR VERIFICATION PURPOSES). B-BBEE CERTIFICATE OR SWORN AFFIDAVIT FOR B-BBEE MUST BE SUBMITTED TO BIDDING INSTITUTION.
- 1.4. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER LEGISLATION OR SPECIAL CONDITIONS OF CONTRACT.

2. TAX COMPLIANCE REQUIREMENTS

- 2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
- 2.2 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILE USER THROUGH THE WEBSITE WWW.SARS.GOV.ZA.
- 2.3 BIDDERS MAY ALSO SUBMIT A PRINTED TCS WITH A RESULT SUMMARY PAGE (DOWNLOADED FROM EFILING) TOGETHER WITH THE BID.
- 2.4 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE PROOF OF TCS AS MENTIONED IN 2.3 ABOVE.

3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

- 3.1. IS THE BIDDER A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? ☐ YES ☐ NO
- 3.2. DOES THE BIDDER HAVE A BRANCH IN THE RSA? ☐ YES ☐ NO
- 3.3. DOES THE BIDDER HAVE A PERMANENT ESTABLISHMENT IN THE RSA? ☐ YES ☐ NO
- 3.4. DOES THE BIDDER HAVE ANY SOURCE OF INCOME IN THE RSA? ☐ YES ☐ NO

IF THE ANSWER IS “NO” TO ALL OF THE ABOVE, THEN, IT IS NOT A REQUIREMENT TO PROVIDE PROOF OF TAX COMPLIANCE STATUS; NOR OBTAIN A TAX COMPLIANCE STATUS FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) IF NOT REGISTER AS PER 2.2 ABOVE.

***FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID .**

SIGNATURE OF BIDDER:

.....

CAPACITY UNDER WHICH THIS BID IS SIGNED:

.....

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

DATE:

.....

TAX CLEARANCE REQUIREMENTS

IT IS A CONDITION OF THE TENDER THAT -

1. The taxes of the successful service provider **must** be in order, or that satisfactory arrangements have been made with the Receiver of Revenue to meet his / her tax obligations.
2. Application for tax clearance must be done through the Receiver of Revenue office where the service provider is registered for tax purposes. The Receiver of Revenue will then furnish the Supplier with a Tax Clearance Certificate that will be valid for a period of one year from date of issue.
3. This Tax Clearance Certificate must be submitted in the original together with the tender. Failure to submit the **original** and valid Tax Clearance Certificate **will** invalidate the tender. If a tax clearance certificate was submitted previously to CapeNature please indicate as such.
4. In quotations where Consortia / Joint Ventures / Sub-contractors are involved each party must submit a separate Tax Clearance Certificate. Copies of the Application for Tax Clearance Certificates are available at any Receiver's Office.

HAS A TAX CLEARANCE CERTIFICATE BEEN SUBMITTED	YES	NO
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS/SERVICES OFFERED BY YOU? (IF YES ENCLOSE PROOF)	YES	NO

**PART C
PRICING SCHEDULE**

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

Arniston House	Amount
TOTAL TENDER AMOUNT (VAT INCLUSIVE)	R

***NOTE:** Please refer to the Bill of Quantities in the specifications for the full pricing breakdown.



CAPENATURE

REPAIRS, ALTERATIONS AND UPGRADES TO EXISTING HOUSE ON ERF 252, 33 MAIN ROAD, ARNISTON, WESTERN CAPE

TENDER NUMBER: WCNCB 10/09/2025

NAME OF TENDERER:.....
CIDB REGISTRATION NUMBER:
COMPANY REGISTRATION NUMBER.....
TAX VERIFICATION PIN
This tender closes on 10 October 2025
<i>NO LATE SUBMISSIONS WILL BE CONSIDERED</i>

CapeNature reserves the right to cancel/ not award this tender.

Employer: Cape Nature	Principal Agent: Miradi Architects
Physical Address PGWC Shared Services Centre Cnr. Bosduif & Volstruis Streets, Bridgetown, 7764 South Africa	Physical Address Unit 5B – 2 nd Floor King's Cross Corner 9 Friend Street Salt River 7925 South Africa
Contact: Ramese Mathews Phone:087 087 3175 Email: tenders@capenature.co.za	Contact: Jacob Motanya Phone: 0635582833 Email: info@miradi.co.za

NOTE:

All returnable documents as listed in this document, including the Form of Offer C1.1 must be completed in full and signed. The entire document must be submitted with your tender.

Non-compliance will render your tender invalid.

PROCUREMENT DOCUMENT FOR BUILDING CONSTRUCTION

JBCC Edition 6.2 (MAY 2018)

TENDER NUMBER: WCNCB 10/09/2025

**PLEASE NOTE: TENDERS MUST BE SUBMITTED ON THE TENDER DOCUMENTATION ISSUED.
TENDER DOCUMENTATION MUST NOT BE REPRODUCED OR REARRANGED. ANY
ADDITIONAL INFORMATION MUST BE SUBMITTED AS A SEPARATE ATTACHMENT TO THE
TENDER DOCUMENT.**

**ALL PAGES OF THE SUBMISSION INCLUDING ATTACHMENTS MUST BE INITIALED AND
NUMBERED.**

CAPE NATURE

TENDER NUMBER: WCNCB 10/09/2025

CONTENTS

Number	Heading
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THE TENDER

Part T1:	Tendering Procedures
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T1.1	Tender Notice and Invitation to Tender
T1.2	Tender Data

Part T2:	Returnable Documents
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T2.1	List of Returnable Schedules and Documents
T2.2	Returnable Schedules and Documents

THE CONTRACT

Part C1:	Agreement and Contract Data
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C1.1	Form of Offer and Acceptance
C1.2	Contract Data
C1.3	Construction Guarantee
C1.4	Occupational Health and Safety Agreement
C1.5	Agreement in terms of Section 37 (2) of the Occupational Health and Safety Act No 85 of 1993

Part C2:	Pricing Data
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C2.1	Pricing Instructions
C2.2	Bills of Quantities

Part C3:	Scope of Work
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C3	Scope of Work
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Part C4:	Site Information
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C4	Site Information
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Part C5:	Tender Drawings and OHS Specifications
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C5.1	Drawings
C5.2	Occupational Health and Safety Specifications

TENDER DOCUMENT CHECKLIST

Tenderers must complete this document checklist to ensure that all information is completed in the Tender Document.

ITEMS**CHECKED**

	Contractor	Principal Agent
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1.	Correct Tender offer carried forward to the Cover Page and the Form of Offer and Acceptance in Part C1.1	<input type="checkbox"/>	<input type="checkbox"/>
2.	Tenderer's signature on the offer	<input type="checkbox"/>	<input type="checkbox"/>
3.	Bill of Quantities	<input type="checkbox"/>	<input type="checkbox"/>
	i Bills of Quantities completed in full	<input type="checkbox"/>	<input type="checkbox"/>
	ii Corrections crossed out and initialled	<input type="checkbox"/>	<input type="checkbox"/>
	iii Each page initialled	<input type="checkbox"/>	<input type="checkbox"/>
4.	Returnable Documents and Schedules		
	Conditions of Tender Schedules		
	i Tendering entity and authority of signatory	<input type="checkbox"/>	<input type="checkbox"/>
	ii Preference Certificate	<input type="checkbox"/>	<input type="checkbox"/>
	iii Declaration of interest	<input type="checkbox"/>	<input type="checkbox"/>
	iv Record of addenda to tender document	<input type="checkbox"/>	<input type="checkbox"/>
	v Schedule of work experience	<input type="checkbox"/>	<input type="checkbox"/>
	vi Certificate of authority for joint ventures	<input type="checkbox"/>	<input type="checkbox"/>
	vii BBBEE Preference	<input type="checkbox"/>	<input type="checkbox"/>

Conditions of Contract Schedules			
i	Form of offer and acceptance	<input type="checkbox"/>	<input type="checkbox"/>
ii	Contract data	<input type="checkbox"/>	<input type="checkbox"/>
iii	Priced bills of quantities	<input type="checkbox"/>	<input type="checkbox"/>
iv	Proposed amendments by the supplier	<input type="checkbox"/>	<input type="checkbox"/>
v	Supplier's schedule of sub-contractors	<input type="checkbox"/>	<input type="checkbox"/>
vi	Supplier's occupational health and safety plan	<input type="checkbox"/>	<input type="checkbox"/>
vii	Supplier's environmental management plan	<input type="checkbox"/>	<input type="checkbox"/>
Returnable documents to be submitted with tender document (all the documents listed below are compulsory as part of the submission).			
i	A valid original or certified copy of the B-BBEE status level verification certificate substantiating the B-BBEE rating or an EME must submit an affidavit	<input type="checkbox"/>	<input type="checkbox"/>
ii	Proof of registration as a supplier on the WCSEB.	<input type="checkbox"/>	<input type="checkbox"/>
iii	Proof of registration as a contractor registered on the CIDB Register of contractors, the minimum grading designation of which is specified in the Tender Data.	<input type="checkbox"/>	<input type="checkbox"/>
iv	A valid Letter of Good Standing from the Department of Labour (Please note that the nature of business listed on the Letter must be related to construction work)	<input type="checkbox"/>	<input type="checkbox"/>
v	All Insurances from an accredited Insurer as stipulated in the Contract Data.	<input type="checkbox"/>	<input type="checkbox"/>
vi	Joint Venture Agreement (where applicable)	<input type="checkbox"/>	<input type="checkbox"/>

PART T1: TENDERING PROCEDURES

T1.1 TENDER NOTICE AND INVITATION TO TENDER

TENDER NUMBER: WCNCB 10/09/2025

REPAIRS, ALTERATIONS AND UPGRADES TO EXISTING HOUSE ON ERF 252, 33 MAIN ROAD, ARNISTON

CAPENATURE invites tenders for Tender Number WCNCB 10/09/2025 for the repairs, alterations and upgrades to an existing house. It is estimated that tenderers must have a CIDB contractor grading designation of level 4GB or higher.

Note: Preferences are allocated to tenderers for Broad-Based Black Economic Empowerment (B-BBEE) status level of contribution.

Documents will be available after **08:00** am from **5 September 2025**. Tender documents are available for download from the e-Tender Portal of National Treasury, at <https://www.etenders.gov.za>, and are free of charge.

Queries relating to the completion of documents may be addressed to:

Name: Imran Brey

Phone: 087 087 4103

E-mail: ibrey@capenature.co.za

The closing time for receipt of tenders is **11:00** am on **10 October 2025**. Late tenders will not be accepted. The location for closing of the tender offers is as stated in the Tender Data (T1.2). Tenders may only be submitted on the tender documentation that is issued. Telegraphic, telephonic, telex, facsimile, copied and late tenders will not be accepted. Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the tender

The successful contractor will be required to register as a Vendor on all the Cape Nature management system.

Joint Ventures are eligible to submit tenders if they satisfy the criteria stated in the Tender Data. (No new JV's will be formed out of the panel appointments)

No emails and calls to be made to the members of the professional team.

Tenders must only be submitted on the tender documentation that is issued. The retyping of the tender document is not permitted. Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the Tender Data.

A compulsory briefing/clarification meeting with representatives of the Employer will take place at:

Location: **ERF 252, 33 Main Road, Arniston**

Date: **16 September 2025**

Starting Time: **11:00 AM**

NOTE: Failure to attend the meeting will result in tenderers offers to be non-responsive.

The Conditions of Contract will be based on the **JBCC Edition 6.2 (MAY 2018)**

TENDER NUMBER: WCNCB 10/09/2025

For tender evaluation, each legal entity in the tendering party (subcontractors and sole proprietors included) must comply with the tax requirements and B-BBEE/EME documentation as described in the Tender Data.

Supplier Database Registration

All prospective Service Providers **MUST** be registered on the **Central Supplier Database (CSD)** at the time of tender closing and tax compliant. Tenderers who are not tax compliant at closing date will be deemed non-compliant.

PART T1: TENDERING PROCEDURES

T1.2 TENDER DATA

The Conditions of Tender are the Standard Conditions of Tender as contained in Annex C of the CIDB Standard for Uniformity in Engineering and Construction Works Contracts, August 2019, as per Board Notice 136 of 2015 in Government Gazette 38960 of 10 July 2015 and any erratum notices issued thereafter (see www.cidb.org.za).

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

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

Clause Number	Clause Heading	Data / Wording
C.1.1	The Employer	Cape Nature PGWC Shared Services Centre cnr Bosduif & Volstruis Streets Bridgetown, 7764 South Africa
C.1.2	The Tender	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 Documents PART C1: AGREEMENTS AND CONTRACT DATA C1.1 Form of Offer and Acceptance C1.2 Contract Data C1.3 Construction Guarantee C1.4 Occupational Health and Safety Agreement C1.5 Agreement in terms of Section 37 (2) of Occupational Health and Safety Act No 85 of 1993
		PART C2: PRICING DATA C2.1 Pricing Instructions C2.2 Bill of Quantities

TENDER NUMBER: WCNCB 10/09/2025

Clause Number	Clause Heading	Data / Wording
		<p>PART C3: SCOPE OF WORK</p> <p>PART C4: SITE INFORMATION</p> <p>This tender must be completed in black ink document contains "Returnable Documents and Schedules" which must be fully completed and signed, in terms of submitting a tender offer.</p>
C.1.4	Principal Agent	<p>Miradi Architects Unit 5B – 2nd Floor Kings Cross Corner 9 Friend Street Salt River 7925 South Africa</p>
C.1.5	Language	The language for communications is English.
C.2	Tenderer's obligations	
C2.1	Eligibility	<p>Only those tenderers who are registered with the CIDB in 4GB Category or above 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, are eligible to have their tenders evaluated.</p> <p>In addition, 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.</p> <p>Joint ventures are eligible to submit tenders provided that:</p> <ol 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 4GB 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 an 4GB of higher class of construction work determined in accordance with Regulation 25 (1B) or 25 (7A) of the Construction Industry Development Regulations.
C.2.7.1	Clarification Meeting	A compulsory site briefing to be held at the site. Bidders must be present by 11:00 AM, no late comers will be allowed to join.
C2.11	Alterations/corrections	Please note: No alterations/corrections to inserted information in the document (including pricing) may be performed by erasing or using masking fluid ("Tippex" or similar) on any submitted page.

Clause Number	Clause Heading	Data / Wording
		<p>Alterations/corrections to inserted information may only be performed as follows:</p> <p>a) Strike a line through the incorrect information, write the corrected information as appropriate (under, above or next to the information to be corrected), and initial at every incidence of alteration/correction.</p> <p>Tender submissions with alterations/corrections not in compliance with the requirements as described above, will be rejected.</p>
C2.12	Alternative tender offers	No alternative tender offers will be considered.
C2.13	Submitting a tender	All returnable documents to the employer as defined in the Tender Data shall be returned in legible writing in non-erasable ink. Tenders can also be submitted by email to the following email address: tenders@capenature.co.za
C.2.13.3	Number of copies of tender offers to be submitted to the Employer	One (1)
C2.13.7	Sealing and Delivery of tender offers	<p>Cape Nature</p> <p>PGWC Shared Services Centre cnr Bosduif & Volstruis Streets</p> <p>Bridgetown, 7764</p> <p>South Africa</p>
C.2.13.9	Telephonic	Telephonic, telegraphic, telex, facsimile tender offers will not be accepted.
C.2.15	Closing time of tender offers	The closing time for submission of tender offers is: 11H00 on 10 October 2025
C.2.16	Tender offer validity	The tender offer validity period is 90 days.
C.2.16.3		<p>"Should a tenderer amend or withdraw his or her tender after the closing date and time, but prior to him or her being notified of the acceptance thereof, or should a tenderer after having been notified that his or her tender has been accepted –</p> <ol style="list-style-type: none"> 1. give notice of his or her inability to execute the Contract in accordance with his or her tender; or 2. fail to sign a contract within the period stipulated in the tender requirements or any extended period determined by the employer; or 3. fail to execute the Contract. <p>he or she shall pay all additional expenses which the employer has</p>

Clause Number	Clause Heading	Data / Wording
		<p>to incur in inviting new tenders and pay the difference between his or her tender and any less favourable tender accepted, as well as any consequential loss which may arise as a result of his/her non-fulfilment of his/her obligations: Provided that the employer may exempt a tenderer from the provisions of this sub-regulation if he is of the opinion that such non-performance is justifiable.</p> <p>When during the above-mentioned circumstances it is not deemed expedient to invite new tenders, the employer may entertain a recommendation for acceptance of a tender from those already received."</p>
C.2.17	Clarification of tender after submission	"The tenderer is to provide clarification with regards to a request for clarification from the employer, within 48 hours of the employer making the request, failing which, the tender offer will be considered non-responsive."
C.2.20	Letter of Intent	The tenderer is required to submit with his tender a letter of intent from an approved financial institution undertaking to provide the Construction Guarantee in the format included in Part C1.3 of this procurement document.
C.2.23	Certificates	<p>The tenderer is required to submit with his tender:</p> <ul style="list-style-type: none"> a) A copy of a valid Tax Pin Number. b) An original and valid certified B-BBEE status level verification certificate or a certified copy thereof, substantiating the bidding entity's B-BBEE rating. Only certificates issued by verification agencies accredited by the South African Accreditation System (SANAS), or by registered auditors approved by the Independent Regulatory Board of Auditors (IRBA) will be accepted. Failure to submit as required will result in the bidder scoring zero (0) points for B-BBEE. c) Copies of legal registration documents of company /close corporations/partnership, including certified copies of Identity Documents. d) Joint Venture Agreement and Power of Attorney for Joint Ventures with the Targeted Enterprise. e) Workmen's Compensation Registration Certificate (or proof of payment of contributions in terms of the Compensation for Occupational Injuries and Diseases Act No. 130 of 1993) f) Documents and Schedules listed in Part T2.
C.3.4	Opening of tender submissions	Tenders will be opened to the public immediately after closing of tender submission time

Clause Number	Clause Heading	Data / Wording
C.3.11.3	Evaluation of Tender Offers	<p>Tenders will be considered non-responsive if:</p> <ul style="list-style-type: none"> a) The tender was not properly received. b) The tender is not in compliance with specifications. c) The tender does not comply with the requirements of the standard conditions of tender.) d) The tender is not properly and fully completed and signed where required. e) Both the tender document and returnable documents and schedules have not been submitted by the time stipulated. f) The tenderer has failed to respond to any other requirements of the tender documents. g) The tenderer has failed to clarify or submit any supporting documentation within seven days of being requested to do so in writing; and h) The tender includes material deviation or qualification.
C.3.11.4	Disqualification Criteria	<p>BIDDERS WILL BE DISQUALIFIED FOR:</p> <ul style="list-style-type: none"> • Failure to complete and sign the Offer page; • Failure to complete and submit a Priced Bill of Quantities in full. • Failure to duly complete Form A3 (where required) that includes for any addenda that may have been issued where such addenda have a material effect on the price; • Failure to be registered and active with CIDB in the relevant grading. • Failure to attend the compulsory briefing session. • Termination during the last five (5) years on previous contracts with the CapeNature or any other organ of state after written notice was given to that bidder. • Completing the tender document in pencil. • Submitting a bid after the closing date and time. • Failure to perform with previous/current Cape Nature contracts and/or are dispute with Cape Nature
C3.13	Acceptance of Tender Offers	<p>Tender offers will only be accepted if:</p> <ul style="list-style-type: none"> a) The tenderer submits a letter of intent from an approved financial institution undertaking to provide the Construction Guarantee in the format included in Part C1.3 of this procurement document. 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/shareholders is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as

Clause Number	Clause Heading	Data / Wording
		<p>a person prohibited from doing business with the public sector.</p> <p>d) The tenderer has not:</p> <p>i) abused the Employer's Supply Chain Management System; or</p> <p>ii) failed to perform on any previous contract and has been given a written notice to this effect.</p> <p>e) The tenderer has completed the Declaration of Interest and there are no conflicts of interest which may impact on the tenderer's ability to perform the contract in the best interests of the employer or potentially compromise the tender process.</p> <p>f) The tenderer is registered and in good standing with the compensation fund or with a licensed compensation insurer.</p> <p>g) The employer is reasonably satisfied that the tenderer has in terms of the Construction Regulations, 2014, issued in terms of the Occupational Health and Safety Act, 1993, the necessary competencies and resources to carry out the work safely.</p> <p>h) The tendering entity or the directors/partners of the tendering entity are in good standing with the local authority / municipality.</p> <p>i) Upon verification of all items highlighted above by Cape Nature, the result of the verification has been successful for all items highlighted above</p>
C.3.18	Number of Paper Copies	The number of paper copies of the signed contract to be provided by the employer is 1 (one).
C.3.19	Correction of errors	<p>Arithmetical errors, omissions and discrepancies:</p> <p>1. Arithmetical errors, omissions and discrepancies in this framework tender</p> <p>The quotation will be checked for:</p> <p>a) Gross misplacement of the decimal point in any unit rate.</p> <p>b) Omissions that were made when completing the price list; or</p> <p>c) Arithmetic errors in:</p> <p>i. The totals of line items resulting from the product of a unit rate and a quantity in price list; or</p> <p>ii. Summation of the prices.</p> <p>When responsive tenders are checked for arithmetic errors, corrections are made in the following manner:</p> <p>a) Where there is an error in the line-item total resulting from the product of the unit rate and the quantity, the rate shall govern, and the line-item total shall be corrected.</p> <p>b) Where an obvious gross misplacement of the decimal point in the unit rate was made, the unit rate shall be corrected, and the line-item total shall be adjusted accordingly.</p> <p>c) Where there is an error in the total of the prices either because of other corrections required by this checking process or in the summation of prices, the total of the price tendered shall be adjusted accordingly.</p>
		<p>Tender offers will only be responsive if:</p> <p>a) The tenderer attended the compulsory site/clarification meeting and completed and signed the attendance register and submitted</p>

Clause Number	Clause Heading	Data / Wording
		<p>the properly completed and signed clarification Meeting Certificate.</p> <p>b) The tenderer is registered on the WCSEB, and his/her registration has not expired by close of tender.</p> <p>c) The tenderer is registered on the CSD, and his/her registration has not expired by close of tender.</p> <p>d) The tenderer is registered on the CIDB Register of Contractors in the appropriate contractor grading designation as stated in the Tender Data by close of tender.</p> <p>e) The tenderer has signed the Tendering entity and authority of signatory schedule.</p> <p>f) The tenderer submits this complete tender document with all returnable documents, schedules and annexures applicable, duly completed and priced as per the instructions pertaining to each schedule and section, and requirements stated in this Tender Data at the close of tender.</p> <p>g) The tenderer or any of its directors is not listed on the National Treasury's Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act 12 of 2004 as a person prohibited from doing business with the public sector and the National Treasury's database of Restricted Suppliers.</p> <p>h) The tenderer has not:</p> <ol style="list-style-type: none"> 1. Abused the Employer's Supply Chain Management System. 2. Failed to perform or complete any previous contracts and has been given a written notice to this effect, within the last 12 months; and 3. Submitted more than one offer. <p>i) The tenderer has completed the Compulsory Declaration, Declaration of Interests (WCBD 4) and there are no conflicts of interest which may impact on the tenderer's</p>
C.3.20	Rejection of Quotes/Proposals	<p>Any effort by a bidder to influence the bid evaluation, comparisons, or award decisions in any manner, may result in rejection of the bid. CapeNature shall reject a bid if the bidder has committed a proven corrupt or fraudulent act in competing for a particular contract. CapeNature may disregard any bid if the bidder or any of its subcontractors:</p> <ul style="list-style-type: none"> • Is not tax compliant. • Have abused the Supply Chain Management (SCM) system of a department or any other government department, agency, or entity. • Have committed proven fraud or any other improper conduct in relation to such system. • Have failed to perform on any previous contract. • Supplied incorrect information in the bid documentation. • Not fully registered on the Central Supplier Database (CSD). • Did not submit a valid Declaration of Interest.
C.3.21	Disclaimer	<p>Details of the award will be published (on the e-tender portal/ other media) by CapeNature under National Treasury Instruction No. 1 of 2015/2016</p>

PRE-FUNCTIONALITY EVALUATION SCHEDULE

The firm's tender responsiveness in relation to points is therefore summarized as follows:

The pre-functionality will be scored using the following values:

A maximum equal to 40 tender evaluation points will be awarded for quality.

Scoring Quality (Pre-functionality)

A maximum equal to **40 pre-functionality evaluation points** will be awarded for quality. Only bidders who score 70% and above (i.e. 28 points and above out of a total of 40 points) will be further evaluated in terms of the 80/20 price/preference points system in line with the Preferential Procurement Policy Framework Act (Act No.5 of 2000).

Question 1: Schedule Management (3 points):

Points are awarded for project duration undertaking as per returnable activity schedule B1.2. This represents only key project deliverables and runs from the assumed start date indicated, for purposes of uniformity and ease of comparison.

Failure to populate returnable schedule B1.2 in full will result in zero points awarded (NB: Bidders reminded that penalty clause is applicable if bidders offer unrealistically short duration just to score higher points)

A realistic Gantt Chart that outlines all the sequences of the activities and the project summary duration would be acceptable

Question 2: Cost Management (2 points):

Points are awarded for cost budget estimate management plan submission in line with the Schedule Management documentation.

Question 3: Engineering Services (11 points):

Evidence of engineering registration for Contractor contracts manager and site agent (1 point)

Evidence of past projects (3 points)

Execution plan (4 points)

Defects liability insurance and Professional Indemnity Insurance (1 point)

Warranties and contractor's all risk insurance, public liability and SASRIA insurance policies (2 points):

Question 4: Resource Management (4 points):

Provide a resource management plan and provide detailed project resource plan (1 point)

Site manager and contracts manager documentation (**Professional registration and detailed CV**) (1 point)

Points are allocated for educational qualifications and professional registration of allocated key personnel for the project under consideration. For each key personnel allocated to the project, the bidders shall submit for following: Curriculum Vitae together with certified proof of qualifications and professional registration.

Provide complete resource histogram (2 point)

Question 5: Quality Management (10 points):

Quality Management Plan - How quality will be managed onsite for all aspects of work required as per the scope (4 points):

Quality assurance plan - What steps will be taken to assure quality of all aspects of the work as per the scope (3 points):

How risks are identified, quantified and the management plan thereof (3 points):

Question 6: Stakeholder Management (3 points):

Internal stakeholders including the project team (1 point):

External stakeholders (1 point):

Detailed communication management plan for internal and external stakeholders (1 points):

Question 7: Provide evidence of past similar projects. Projects in the Operational area would be an advantage (7 points):

Evidence of projects within the same area (3 points):

Points are allocated for fully completed client reference form signed by the client and final completion certificate.

3 Similar Projects (2 point):

Points are allocated for a fully completed client reference form signed by the client and final completion certificate.

4 Similar Projects (2 points):

Points are allocated for a fully completed client reference form signed by the client and final completion certificate.

QUESTION 7: HISTORICAL PROJECTS: CLIENT REFERENCES

The Tenderer shall provide details of his performance on each of the previous projects listed in the “Similar Relevant Experience” returnable schedule. Client References” scorecards will be completed by each of the respective Clients for the projects listed in the “Similar Relevant Experience” returnable schedule. Forms not signed, stamped and completed by the client will result in no allocation of points (zero points).

<u>Description / Performance</u>	<u>Very poor (1)</u>	<u>Poor (2)</u>	<u>Fair (3)</u>	<u>Good (4)</u>	<u>Excellent (5)</u>
Quality of office administration					
Quality of site management					
Competence of foreman					
Co-operation during contract					
Quality of workmanship					
Quality of materials					
Program management					
Rectification of condemned work					
Tidiness of site					
Adequacy of equipment					
Adequacy of labour force					
Procurement of materials					
Labour relations					

Client Stamp

Client Name

Position

Date

Signature

THIRD AND FINAL STAGE OF EVALUATION: PRICE AND PREFERENCE

The evaluation will be done as per Preferential Procurement Regulations 2022 and in terms of the Western Cape Governments interim strategy as it relates to preference points.

Tenders will be evaluated using the 80/20 weighing matrix will then be applied such that 80 points will be adjustment for price, and 20 points will be adjustment for preference

Tender Price evaluation

Score points are distributed as follows:

80 – Points (For Price)

Item No.	Description	Allocated Points
1.	Price Competitiveness	80

In relation to tendered price, the points allocated to the tender price will be calculated using the following formula:
A maximum of 80 points is allocated for price on the following basis:

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

Where -

P_s = Points scored for price of tender under consideration;

P_t = Price of tender under consideration; and

P_{min} = Price of lowest acceptable tender

TENDER ADJUDICATION CRITERIA

1. Tender Evaluation Methodology

Introduction

This section sets out the methodology that will be used to evaluate tenders as described in this document. The evaluation comprises of 3 stages:

- ☐ Compliance
- ☐ Pre-functionality
- ☐ 80/20 weighing matrix will then be applied such that 80% will be adjustment for price, 20% will be adjustment for preference

1.1 Requirements for Evaluation of Tenders

Stage One - Compliance

Tenders will be subject to the following:

- a) CIDB requirements
- b) Tenders have been submitted on time
- c) Tenders are completely filled in and have all the required documentation to enable them to be evaluated in accordance with this section
- d) Tenders are completed according to the guidelines issued within the tender document.
- e) Tender data are to be concise and verifiable.

Tenders that do not meet the above requirements will be rejected.

Tenders that meet the requirements will be further evaluated in stages two

1.2 Stage Two – Pre-functionality

Tenderers' will be required to diligently complete stage two. This data will be included as addendums in the compilation of the contract.

1.3 Scoring

Each question will be awarded appropriate marks based on the following basis:

- **Question 1:** Submit a scope definition plan, explaining in detail how the various aspects of the scope will be controlled.
- **Question 2 & 3:** Submit schedule information that is within reasonable estimation of time, which also includes a detailed CBE that is in line with the schedule submitted. Tenderers that do not have a schedule (programme) included in their submissions shall be eliminated.
- **Question 4:** Submit details as requested in the scoring matrix for Engineering services required to provide quality assurance and design adjustments, with a detailed execution plan to include:

- required construction requirements and scope limits,
- delivering the designing of the works,
- managing and supervising the construction of the works,
- closing out the project
- **Question 5:** Submit a resource plan that demonstrates the experience of the tenderer and any JV Partner, engineering services and what, when and how labour and equipment will be required and utilized during the product development and project execution.
- **Question 6:** Submit a fully developed quality plan explaining how quality of documents and execution of works will be managed and controlled.
- **Question 7:** Submit a detailed stakeholder management plan, that indicates identified stakeholders, requirements and a communication structured plan.
- **Question 8:** Submit evidence of historical work similar to the current request and indicate the location of such work.

Scoring Guidelines

- Outstanding - response exceeds requirements, is fully evidenced, adds value and benefits.
- Excellent - response meets all requirements while providing fully evidenced additional value and benefits and a high level of confidence.
- Good - response meets all requirements with good evidence base and some added benefits together with higher level of confidence.
- Good - response meets all requirements with good evidence base and some added benefits.
- Satisfactory - response is complete and meets all minimum requirements while providing appropriate evidence to support these together with a higher level of confidence.
- Satisfactory response is complete and meets all minimum requirements and provides appropriate evidence.
- Less than satisfactory – response is complete but fails to provide adequate evidence that all minimum requirements can be satisfied, or information supplied is generic.
- Less than satisfactory – response is complete but fails to satisfy all minimum requirements or fails to provide adequate evidence that these requirements can be satisfied, or information supplied is generic.
- Poor – response is in part incomplete, non-compliant, fails to meet any minimum requirements or lacks an evidence base.
- Poor – response is incomplete, non-compliant, fails to meet any minimum requirements, lacks and evidence base or is unlawful.
- No response – no submission was made.

The method of scoring each criterion will be that the Tenderer with the most competitive price will receive the maximum points available for that criterion. Each remaining Tenderers' price will be awarded a score based on the percentage difference between their price and that of the most competitive price

T2.1 LIST OF RETURNABLE DOCUMENTS**T2.1.1 Returnable Documents and Schedules required for tender evaluation purposes**

The tenderer must complete the following returnable schedules

- Form A1:** Authority to sign Tender
- Form A2:** Record of Addenda to Tender Documents
- Form A3:** Banking Details
- Form A4:** Questionnaire on tenderer's procedures with respect to OHSA and Construction Regulations
- Form A5:** A copy of a valid Tax Pin Number
- Form A6:** Letter of Intent from a Financial Institution to provide a Construction Guarantee in accordance with the JBCC pro-forma (refer C1.3)
- Form B1:** Proof of CIDB Grading
- Form B2:** Schedule of recently completed contracts
- Form B3:** Schedule of Current Contracts
- Form B4:** Schedule of Construction Plant, Equipment and Labour
- Form B5:** Schedule of Proposed Subcontractors
- Form B6:** Schedule of Proposed Key Personnel and detailed CV's of all key personnel
- Form B7:** Quality plans
- Form B8:** Preliminary Construction Programme
- Form B9:** Declaration of interest
- Form B10:** Certificate of Independent Bid Determination
- Form B11:** A valid originally or certified copy of the B-BBEE status level verification certificate, substantiating the B-BBEE rating or an EME must submit an affidavit
- Form B12:** Declaration of Bidder's Past Supply Chain Management Practices
- Form B13:** Bills of quantities

T2.1.2 Other Documents that will be incorporated into the contract

- Form of Offer and Acceptance
- Contract Data
- Priced Bill of Quantities
- Occupational Health and Safety Agreement (C1.4)
- Agreement in terms of Section 37(2) of the Occupational Health and Safety Act No 85 of 1993 (C1.5)
- Approved Construction Programme

FORM A1: Authority to Sign Tender

Notes to tenderer:

1. The signatory for the tenderer shall confirm his/her authority thereto by attaching on the tendering company's letterhead a duly signed and dated copy of the relevant resolution of the board of directors/partners.
2. If the tenderer is a joint venture, a certificate is required from each member of the joint venture clearly setting out:
 - authority for signatory,
 - undertaking to formally enter into a joint venture contract should an award be made to the joint venture,
 - name of designated lead member of the intended joint venture, as required by tender condition F.2.13.4.

.....
SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

.....
DATE

FORM A2: Record of Addenda to Tender Documents

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

	DATE	TITLE OR DETAILS
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

.....
Signature*(of person authorised to sign on behalf of the Tenderer)*.....
Date

CAPENATURE

FORM A3: Banking Details

I/We hereby authorise the Employer to approach the following bank for the purposes of obtaining a financial reference:

DESCRIPTION OF BANK DETAIL	BANK DETAILS APPLICABLE TO TENDERER'S HEAD OFFICE
Name of Bank	
Branch Name	
Branch Code	
Street Address	
Postal Address	
Name of Manager	
Telephone Number	
Fax Number	
Account Number	

.....
SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

.....
DATE

FORM A4: Questionnaire on Tenderer's Procedures with respect to the Occupational Health and Safety Act (OHACT) and Construction Regulations.

1. Name of the employee to be appointed as Construction Manager [Construction Regulation 8 (1)]
.....
2. Name of the employee to be appointed as Construction Supervisor [Construction Regulation 8 (7)]
.....
3. Names of the competent employees to assist the Construction Supervisor [Construction Regulation 8 (8)]
.....
.....
4. Name of the person to be appointed to conduct base line and ongoing risk assessments [Construction Regulation 9 (1)]
.....
5. Name of competent person to be appointed as occupational health and safety officer [Construction Regulation 8 (6)]
.....
6. Will the employees to be appointed on the project be in possession of proof of health and safety induction training that will address the project specific risks and exposures [Construction Regulation 9 (1) (a)]? Yes / No.
If no, what are the tenderer's proposals for such training?
.....
7. Are the tenderer's tools, plant and equipment tested and inspected regularly i.e. daily for vehicles and equipment and at least weekly for other tools and hand tools in terms of safety compliance? Yes/No
If no, what are the tenderer's proposals for such testing?
.....
8. Will a dedicated supervisor be designated to manage the process to test and inspect all tools, plant and equipment? Yes/No
If no, what are the tenderer's proposals for such designation?
.....
.....

CAPENATURE

9. What other measures will the tenderer take to comply with the OHSACT and the Construction Regulations? Yes/No

If no, what are the tenderer's proposals to comply with this requirement?

.....
.....

9. Is the tenderer registered and in good standing with the Compensation Commissioner or duly approved compensation insurer? Yes/No

.....
SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

.....
DATE

FORM A5: Copy of a valid Tax Pin Number.

The tenderer shall include as an attachment to their submission a copy of a valid Tax Pin Number which shall be obtained by the tenderer from the South African Revenue Service (SARS).

In the event of a joint venture each member shall comply with the above requirement.

.....
SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

.....
DATE

FORM A6: Letter of Intent

The tenderer shall include as an attachment to their submission a Letter of Intent from a Financial Institution to provide a Construction Guarantee in accordance with the JBCC pro-forma (refer C1.3).

.....
SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

.....
DATE

FORM B1: CIDB Grading

The tenderer shall include as an attachment to their submission the proof of CIDB grading.

In the event of a joint venture each member shall comply with the above requirement.

.....
SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

.....
DATE

CAPENATURE

FORM B2: Schedule of Recently Completed Contracts

The Tenderer shall list below five projects of a **similar nature** completed by the Tenderer in the past ten years. Similar nature refers to building projects, with a minimum value of R3m. This form is to be completed and submitted together with reference letters from the employer on their letterhead for each of the projects listed.

This information is material to the award of the Contract.
(In the event of insufficient space, attach supplementary documentation)

EMPLOYER (Name, Tel No and Fax No)	PRINCIPAL AGENT (Name, Tel No and Fax No)	NATURE OF WORK	VALUE OF WORK	YEAR OF COMPLETION

.....
Signature
(of person authorised to sign on behalf of the Tenderer)

.....
Date

FORM B3: Schedule of Current Contracts

The Tenderer shall list below the contracts not yet completed. This information is material to the award of the Contract.

(In the event of insufficient space, attach supplementary documentation)

EMPLOYER (Name, Tel No and Fax No)	LOCATION	NATURE OF WORK	VALUE OF WORK	EXPECTED DATE OF COMPLETION

.....

Signature
(of person authorised to sign on behalf of the Tenderer)

.....

Date

CAPENATURE

FORM B4: Schedule of Construction Plant & Equipment

The following are lists of Construction Plant and Equipment that I/We presently own or lease and will have available for this contract if my / our tender is accepted.

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

DESCRIPTION	QUANTITY	YEAR ACQUIRED

Attach additional information in a supplementary document

- (b) Details of Plant & Equipment that will be hired, or acquired for this contract if my / our tender is accepted

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

Attach additional information in a supplementary document

.....
Signature

(of person

authorised

to

.....
Date

sign

on

behalf

of

the

Tenderer)

CAPENATURE

FORM B5: Schedule of Proposed Sub-Contractors

I/We hereby notify you that it is my/our intention to employ the following Sub-Contractors for work in this contract. Tenderers are to provide details of their subcontractors for the following trades: **All Trades.**

[illegible]

.....
Signature *(of person authorised to sign on behalf of the Tenderer)* **Date**

CAPENATURE

FORM B6: Proposed Key Personnel

The Tenderer shall list below the key personnel whom he proposes to employ on the contract should his offer be accepted, both at his headquarters and on the site, together with their qualifications, experience and positions held. (on-site full time, notify employer of change of staff, same qualification)

LOCATION	DESIGNATION	CRITERIA	NAME AND NATIONALITY OF PROPOSED CANDIDATE	SUMMARY OF QUALIFICATIONS & EXPERIENCE
HEAD OFFICE (Minimum 30% presence on site)	Contracts manager	Minimum of a National Diploma and 5 years' experience as a Contracts Manager in similar projects and a Professional. Construction Manager (Pr CM/CPM) with the SACPCMP.		
SITE OFFICE	Site Agent	Minimum of 5 years of experience as a Site Agent on similar projects with minimum qualification of a BTech in the Built Environment.		
	General Foreman	Minimum of 5 years of experience as a General Foreman in similar projects		
	Health and Safety Officer	5 years' experience as a construction health and safety officer and has experience in major building works projects. With minimum registration with SACPCMP as Construction Health and Safety Officer or higher.		
	SMME Supervisor	Minimum 5 years of experience in construction supervisory roles in similar projects		

NOTE: Detailed Curriculum Vitae of proposed candidates are to be separately provided. Said CV's MUST indicate qualifications (proof of which is to be attached), number of years' experience, and the nature and value of projects completed including the role performed on said projects.

.....
Signature **Date**
(of person authorised to sign on behalf of the Tenderer)

FORM B7: Quality plan

The Tenderer shall state below the proposed quality plan for the works

.....
SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

.....
DATE

FORM B8: Preliminary Construction Programme

The tenderer shall include as an attachment to their submission the preliminary Construction Programme for the works.

.....
SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

.....
DATE

FORM B9: Declaration of interest

The tenderer shall include as an attachment to their submission the declaration of interest

.....
SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

.....
DATE

FORM B10: Certificate of Independent Bid Determination

The tenderer shall include as an attachment to their submission the Certificate of Independent Bid Determination

.....
SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

.....
DATE

FORM B11: A valid originally or certified copy of the B-BBEE status level verification certificate, substantiating the B-BBEE rating or an EME must submit an affidavit

The tenderer shall include as an attachment to their submission a valid originally or certified copy of the B-BBEE status level verification certificate, substantiating the B-BBEE rating or an EME must submit an affidavit

.....
SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

.....
DATE

FORM B12: Declaration of Bidder's Past Supply Chain Management Practices

The tenderer shall include as an attachment to their submission a Declaration of Bidder's Past Supply Chain Management Practices

.....
SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

.....
DATE

FORM B13: Bills of Quantities (Refer C2.2)

The BOQ pages (see C2.2), must be completed in full, completed in pen, corrections are to be crossed out and initialled, and each page initialled.

CAPENATURE**PART C1: AGREEMENT AND CONTRACT DATA****C1.1 FORM OF OFFER AND ACCEPTANCE****Offer**

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

REPAIRS, ALTERATIONS AND UPGRADES TO EXISTING HOUSE ON ERF 252 33 MAIN ROAD ARNISTON

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

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

THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VALUE ADDED TAX IS:

.....

.....Rand (in words); R.....(in figures)

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

TENDERER:**WITNESS:**

Signature

Signature

Name

Name

Capacity

Capacity

Date

Date

Name and address of organisation:

CAPENATURE

Acceptance

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

The terms of the contract, are contained in:

Part C1	Agreements and Contract Data, (which includes this Agreement)
Part C2	Pricing Data
Part C3	Scope of Work
Part C4	Site Information

and drawings and documents (or parts thereof), which may be incorporated by reference into the above listed Parts 1 to 4 above.

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

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

Notwithstanding anything contained herein, this agreement comes into effect on the date when the tenderer receives one fully completed copy of this document, including the Schedule of Deviations (if any). Unless the Tenderer (now Contractor) within five working days of the date of such receipt notifies the Employer in writing of any reason why he cannot accept the contents of this Agreement, this Agreement shall constitute a binding contract between the Parties.

EMPLOYER:

WITNESS:

Signature

Signature

Name

Name

Capacity

Capacity

Date

Date

Name and address of organisation:

CAPENATURE
PGWC Shared Services Centre cnr Bosduif & Volstruis Streets
Bridgetown 7764

TENDER NUMBER: WCNCB 10/09/2025

Schedule of Deviations**Notes:**

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

1. Subject

Details

.....

.....

.....

2 Subject

Details

.....

.....

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3 Subject

Details

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4 Subject

Details

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.....

.....

5 Subject

Details

.....

.....

CAPENATURE

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

TENDERER:

Signature

Name

Capacity

Name and address of organisation:

WITNESS:

Signature

Name

Date**EMPLOYER:**

Signature

Name

Capacity

Name and address of organisation:

WITNESS:

Signature

Name

Date

CAPENATURE

Confirmation of Receipt

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

the _____ (day) of _____ (month) _____ (year)

at _____ (place)

CONTRACTOR:**WITNESS:**

Signature

Signature

Name

Name

Capacity

Capacity

Date

Date

C1.2 CONTRACT DATA

PART 1: Data Provided by the Employer

The Conditions of Contract are the *JBCC Principal Building Agreement (May 2018, Edition 6.2)*, published by the Joint Building Contracts Committee. Copies of these documents may be obtained from the Association of South African Quantity Surveyors (011-3154140), the Master Builders Association (011-205-9000) the South African Association of Consulting Engineers (011-4632022) or the South African Institute of Architects (011-4860684).

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

Clause	Data
1.1	<p>The Employer is : CapeNature</p> <p>Address (physical) : PGWC Shared Services Centre cnr Bosduif & Volstruis Streets, Bridgetown 7764</p>
1.2	<p>The Principal Agent is : Miradi Architects</p> <p>Address (postal) : Unit 5B 2nd Floor :Kings Cross Corner : 9 Friend Street Salt River : 7925 South Africa</p> <p>Address (postal) : Unit 5B 2nd Floor : Kings Cross Corner : 9 Friend Street Salt River : 7925 South Africa</p> <p>Telephone : +27 (0) 87 094 5079 Facsimile : +27 (0) 86 635 9509 e-mail : info@miradi.co.za</p>
1.3	The Principal Agent named in is responsible for the preparation of the contract data schedule and must be contacted should the tenderer be uncertain of the information provided or to be provided. Failure to complete the contract data schedule in full may result in the tender being disqualified
2.1	The law applicable to this agreement : South Africa
2.2	<p>The works comprise:</p> <p>Repairs, alterations and upgrades to an existing house on ERF 252, 33 Main Road, Arniston</p>
2.3	The site is situated in: ERF 252, 33 Main Road, Arniston

CAPENATURE

Clause	Data
2.4	Possession of the site : Approximately 120 days after the tender closing
2.5	The period for the commencement of the works after the contractor takes possession of the site is 10 working days, provided that all guarantees, insurances, construction permits, etc. are in place as no extension of time will be granted to the Contractor in failing to provide these documents timeously.
2.6	Completion of the works in sections is required: No
2.7	Waiver of the contractor's lien or right on continuing possession is required: Yes
2.8	Defined restrictions to the site area: The contractor is to adhere to strict working times of 7am – 5pm daily.
2.9	Geotechnical investigation of the site has been undertaken: No
2.10	Existing premises will be occupied: No
2.11	Provision of temporary services is required: Yes (As described below)
	Service
	Water A
	Electricity A
	Telecom A
	Ablutions A
	Note: Option A = Contractor at his cost. Option B = Employer free of charge. Option C = Employer metered (contractor cost).
2.12	Protection of existing trees and shrubs is required: yes
3.1	Contract works insurance is to be effected by the: • Contractor • For an amount of Contract Sum + 10%
3.2	Supplementary insurance (SASRIA): is to be effected by the • Contractor • For an amount of Contract Sum + 10%

CAPENATURE

Clause	Data
3.3	Public liability insurance is to be effected by the <ul style="list-style-type: none"> • Contractor • For the sum of R2.5 million
3.4	Support insurance: N/A
3.5	Special insurance: N/A
4.0	For the works as a whole: The date for practical completion is 4 months after possession of the site The penalty per calendar day is 0.05% of the contract amount per calendar day
5.1	Construction documents copies to be supplied to the contractor free of charge: One copy of the drawings
5.2	The priced document may be used as a specification of materials and goods and work methods: No
5.3	The contractor shall provide a schedule of rates: No , (The completed Bills of Quantities must be supplied)
5.4	Changes made to JBCC standard document: Yes - refer to the additions, deletions and alterations to the JBCC Principal Building Agreement as listed under Clause 6.0 below.
5.5	On acceptance of the tender the priced document is to be submitted within: Not Applicable - Fully priced BOQ to be submitted with the tender.
5.6	Work to be undertaken by direct contractors : None anticipated at present but the Employer has the right to employ direct contractors as it deems fit.

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Clause	Data
5.7	<p>On achievement of practical completion, the contractor is to hand over:</p> <p style="text-align: right;">All required manuals etc. related to the works which must include but not be limited to: Electrical, Electronics, HVAC, Plumbing & Drainage, Fire Fighting, Waterproofing, etc. All required certificates of compliance (COC) related to the works. The maintenance plans and specifications related to the works.</p>
5.8	<p>The interim payment certificate: 25th of every month</p>
5.9	<p>The contract value shall not be adjusted according to CPAP and shall be a fixed priced contract.</p>
6.0	<p>CHANGES MADE TO THE STANDARD JBCC DOCUMENT ARE:</p>
6.1	<p>The JBCC Principal Building Agreement makes several references to the Contract Data for specific data, which together with these conditions collectively describe the risks, liabilities and obligations of the contracting parties and the procedures for the administration of the Contract. The Contract Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the JBCC Principal Building Agreement.</p> <p>Each item of data given below is cross-referenced to the clause in the JBCC Principal Building Agreement to which it mainly applies.</p> <p>The additions, deletions and alterations to the JBCC Principal Agreement are:</p> <p>(REFER TO ANNEXURE A: BILL OF QUANTITIES, SECTION NO.1 Preliminary and General)</p>
6.2	<p>DEFINITIONS AND INTERPRETATION</p> <p>Clause 1.1 is deemed to be amended by the addition and amendments of the following:</p> <p>Change the Definition of "AGREEMENT" to read as follows: AGREEMENT means the agreement arising from the signing of the Form of Offer and Acceptance by the parties.</p> <p>Change the Definition of "CONSTRUCTION PERIOD" to read as follows: The period commencing on the date of site hand over and ending on the date of practical completion.</p> <p>Change the Definition of "CONTRACT DOCUMENTS" to read as follows: The agreement and all documents referenced therein. The contract documents shall be taken to be mutually explanatory of one another but in the event of ambiguity, discrepancy, divergence or inconsistency in or between them, the JBCC Principal Building Agreement as amended in the contract data shall prevail over all other contract documents.</p>

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Clause	Data
	<p>Change the Definition of "CONTRACT SUM" to read as follows: The total of prices in the Form of Offer and Acceptance.</p> <p>EXCEPTIONALLY INCLEMENT WEATHER means weather which is not only extreme or severe but exceeding that which, on the evidence of the past ten years, could reasonably been expected.</p>
6.3	<p>DOCUMENTS</p> <p>Clause 5.2 is amended by deleting the following:</p> <p>"Formal signatures are not required to render this agreement binding"</p>
6.4	<p>EMPLOYER'S AGENTS</p> <p>Clause 6.5 is deleted and replaced with the following:</p> <p>6.5 "Should the principal agent or any agent be unable to act or cease to be an agent, the employer shall inform the contractor of the new principal agent or agent appointed.</p>
6.5	<p>DESIGN RESPONSIBILITY</p> <p>Clause 7.0 is amended by the addition of the following clauses to the end thereof:</p> <p>7.4 Notwithstanding the provisions of clause 7.2, the contractor is to ensure that nominated, selected or domestic subcontractors shall simultaneously with the signing of the relevant nominated, selected or domestic sub-contract sign and deliver to the employer a design materials and workmanship warranty and undertaking in favour of the employer.</p> <p>7.5 Any subcontractor whose subcontract involves design work will be required to provide to the employer evidence of "professional indemnity" insurance for such design work.</p> <p>If the contractor fails to obtain the necessary design warranties and / or indemnities from the subcontractors, the design responsibility shall be deemed to devolve upon the contractor"</p>
6.6	<p>CONTRACTOR'S SITE REPRESENTATIVE</p> <p>Clause 6.0 is amended by the addition of the following clauses to the end thereof:</p> <p>6.3 The contractor shall submit a full organogram of the site personnel with the names of the management team which will be allocated to the project for the construction of the works.</p> <p>6.4 Where the key personnel are no longer accessible to undertake the necessary work after the award of the tender, the contractor shall within a period of 5</p>

CAPENATURE

Clause	Data
	<p>working days replace the key personnel with a person with equivalent competencies and subject to approval by the principal agent.</p> <p>6.5 The contractor's representative shall not be a person against whom the principal agent shall make a reasonable objection.</p>
6.7	<p>COMPLIANCE WITH LAWS AND REGULATIONS</p> <p>Clause 7.0 is amended by the addition of the following clause to the end thereof:</p> <p>7.2 The employer reserves the right to pay (i.e. whether direct or through the contractor) for all or any permanent connections to local or other authority services for which provisional amounts have been included within these bills of quantities or within any selected sub-contract documents. In the event of the employer paying for these charges, the contractor will not be entitled to the applicable and agreed mark-up in terms of clause 32.4. All such provisional amounts included in the contract sum will be omitted.</p>
6.8	<p>INDEMNITIES</p> <p>Clause 9.1 is amended by the addition of the following clause to the end thereof:</p> <p>9.1.4 The contractor indemnifies and holds harmless the employer against all liability, losses, claims, damages, penalties, actions, proceedings or judgments (collectively referred to as "Losses") arising from any infringement of letters, patent design, trademark, name, copyright or other protected rights in respect of any machine, plant, work, materials, thing, system or method of using, fixing, working or arrangement used or fixed or supplied by the contractor, but such indemnity shall not cover any use of the equipment of part thereof otherwise than in accordance with the provisions of the specification. All payments and royalties payable in one sum or by instalments or otherwise shall be included by the contractor in the price and shall be paid by him to those to whom they may be payable. The contractor shall reimburse the employer for all legal and other costs and expenses, including without limitation attorney's fees on attorney-client scale incurred by the employer in connection with investigation, defending or settling any Losses in connection with pending or threatening litigation in which the employer is a party.</p> <p>Clause 9.2.7 is deleted.</p>
6.9	<p>EFFECTING INSURANCES</p> <p>Delete Clause 12.6</p>

Clause	Data
6.10	<p>SECURITY</p> <p>Clause 11.1 is deleted and replaced with the following clause:</p> <p>11.1 The contractor shall provide the security as stated in the contract data. Such security shall be provided to the employer within twenty-one (21) calendar days of acceptance of the contractor's tender.</p> <p>Clause 11.1.2 is deleted and replaced with the following clauses:</p> <p>11.1.2 The employer has selected the security in terms of clause 11.0, which is a fixed construction guarantee and payment reduction. This guarantee is to be issued by the contractor:</p> <p>11.1.2.1 The contractor shall furnish the employer with a fixed construction guarantee equal in value to ten per cent (10%) of the contract sum within fourteen (14) calendar days from the offer of appointment date</p> <p>11.1.2.2 The fixed construction guarantee shall come into force, be administered and expire in terms of the construction guarantee form included under Part C1 Agreement and Contract Data, Clause C1.3 Construction Guarantee.</p> <p>11.1.2.3 The employer shall return the fixed construction guarantee to the contractor within fourteen (14) calendar days of its expiring.</p> <p>11.1.2.4 The payment reduction to the value certified in a payment certificate shall be made [31.8, 34.8].</p> <p>11.1.2.5 Where the employer has a right of recovery against the contractor [33.0], the employer may issue a written demand in terms of the fixed construction guarantee or may recover from the payment reduction [33.4] or both.</p> <p>Clause 14.6 is deleted and replaced with the following clause:</p> <p>14.6 Payment made by the guarantor to the employer in terms of a construction guarantee shall not prejudice the rights of the employer or contractor.</p>
6.11	<p>PREPARATION FOR AND EXECUTION OF THE WORKS</p> <p>Clause 15.1 is amended by the addition of the following to the end thereof:</p> <p>15.1.3 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within fourteen (14) calendar days of date of acceptance of the tender.</p> <p>Clause 15.2 is amended by deleting 15.2.1 and replacing with the following clause:</p> <p>15.2.1 Give the contractor possession of the site within ten (10) working days of the contractor complying with the terms of 15.1.</p>

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Clause	Data
	<p>Clause 15.2.2 is deleted.</p> <p>Clause 15.2.3 is deleted.</p> <p>Clause 15.5 is amended by the addition of the following clauses to the end thereof:</p> <p>15.5.1 The contractor shall furnish samples of materials and specimens of finishes as may be called for by the principal agent for his approval.</p> <p>15.5.2 The principal agent may instruct the contractor to furnish samples of workmanship for his approval. Where the principal agent requires an assembly of various elements of the building or installation which is not incorporated in the works, the contractor shall arrange such an assembly at the employer's expense and the contract value shall be adjusted accordingly.</p>
6.12	<p>SITE AND ACCESS</p> <p>Clause 16.7 is amended by the addition of the following:</p> <p>The contractor shall be deemed to have familiarised himself with all known services, servitudes, etc. Any queries relating to information regarding all known existing services, servitudes, etc. should be directed to the principal agent.</p> <p>The contractor shall be held responsible for damage to existing services caused or arising out of the contractor's operations. Wherever a service is damaged it shall be replaced at the expense of the contractor.</p>
6.13	<p>SETTING OUT</p> <p>Cause 13.0 is amended by the addition of the following clauses at the end thereof</p> <p>13.2 The contractor shall continuously perform tolerance control checks throughout the contract period and report on these at regular intervals to the principal agent in a format approved by the principal agent.</p> <p>Should the contractor fail to comply with this requirement to the satisfaction of the principal agent, progressively as the structure is constructed, the employer shall be entitled to commission a registered land surveyor to do so on the contractor's behalf and at the contractor's expense.</p> <p>13.3 The contractor shall provide general attendance and all reasonable assistance to the abovementioned or any other land surveyor who may be appointed by the employer.</p>
6.14	<p>TEMPORARY WORKS AND PLANT</p> <p>Clause 19.0 is amended by the addition of the following clauses:</p>

Clause	Data
	<p>19.3 ...including but not limited to fencing off the site</p> <p>19.4 The contractor shall provide air-conditioned office accommodation for meetings suitable for 10 persons. The office accommodation is to be kept clean and fit for use at all times by the contractor.</p> <p>19.5 The contractor shall provide 1 No main notice board of an approved design with the title of the project and the names of the employer, the principal agent, the agents and the contractor sign written thereon. The principal agent shall instruct the contractor where the boards are to be erected".</p>
6.15	<p>PRACTICAL COMPLETION</p> <p>Clause 24.0 is amended by replacing the word list with lists.</p> <p>Clause 19.0 is amended by the addition of the following clauses to the end thereof:</p> <p>19.8 Without derogating from the generality of the requirements for practical completion the following specific requirements shall apply:</p> <p>19.8.1 Defects occurring after the issue of the practical completion list requiring remedial work that will in the opinion of the principal agent cause disruption will cause the issue of the certificate of practical completion to be withheld until such defects have been rectified to the satisfaction of the principal agent.</p> <p>19.8.2 The following certificates of compliance shall be required (excluding others that may be required by the local / national authority) from the contractor to achieve practical completion:</p> <ul style="list-style-type: none"> a) A certificate from the contractor that all aspects of the construction regulations of 2014 have been complied with. b) A certificate from the contractor that the National Building Regulations have been complied with c) An electrical certificate of compliance. d) Soil poisoning certificate of compliance. e) Glazing certificate of compliance. f) Roof Sheeting certificate of compliance. g) Plumbing certificate of compliance. h) Compaction results i) Cube testing results j) Truss manufacturer's certificate of compliance. k) Roof Truss installation certification. <p>19.8.3 A complete set of maintenance and operating manuals together with all workmanship and material warranties and guarantees are to be compiled and issued to the principal agent prior to practical completion being granted. In addition to the abovementioned documentation a formal "on site" handover will be required to be conducted with every discipline in the presence of the contractor as well as the applicable services subcontractor.</p>

Clause	Data
	<p>19.9 After the issue of the certificate of practical completion, entry upon the works to make good defects shall be at such reasonable times as shall be agreed by the principal agent.</p>
<p>6.16</p>	<p>REVISION OF DATE OF PRACTICAL COMPLETION</p> <p>Clause 23.1.1 shall be deleted and replaced with the following:</p> <p>23.1.1 Exceptionally inclement weather</p> <p>"Exceptionally inclement weather" shall be defined as weather conditions in excess of the monthly average recorded for the past 10 (ten) years by the nearest commonly recognised weather bureau in the region of the project.</p> <p>The contractor shall be deemed to have allowed in his programme for the works and opposite this item or in his rates, for the cost of all delays as a result of weather conditions which are average.</p> <p>A delay caused by exceptionally inclement weather conditions will be regarded as a delay only if, in the opinion of the principal agent, all progress on an item or items of work on the critical path of the working programme of the contractor has been brought to a halt. Delays on working days only (based on a five-day working week) will be taken into account for the extension of time, but the contractor shall make provision in his programme of work for an expected delay of "n" working days caused by normal rainy weather, for which he will not receive any extension of time, where "n" equals 30 days. Extension of time during working days will be granted to the degree to which actual delays, as defined above, exceed the number of "n" workings days.</p> <p>Clause 23.0 is amended by the addition of the following clauses to the end thereof:</p> <p>23.9 Revision to the date for practical completion shall only be considered when work on the critical path of the agreed programme for the works is delayed.</p>
<p>6.17</p>	<p>INTERIM PAYMENT</p> <p>Clause 25.2 is deleted and replaced by the following:</p> <p>25.2 The principal agent shall issue an interim payment certificate every month until the issue of the final payment certificate. The contractor is to issue his payment requisition to the quantity surveyor by the 15th of each month in preparation for the quantity surveyor to issue a valuation to the principal agent by the 23rd of each month, failure to submit a claim will entitle the quantity surveyor to submit a reasonable value for the works done. The payment certificate shall be issued on the date stated and may be for a nil or negative amount.</p> <p>Clause 25.5 is amended by the deletion of the first sentence and replaced with the following:</p> <p>Materials and goods shall not, as a general rule, be included in the value certified. Should the principal agent agree, such materials and goods shall be included in the value certified only where, to the satisfaction of the principal agent, the</p>

Clause	Data
	<p>contractor has issued a bank guarantee to the employer in a format to be approved by the principal agent.</p> <p>Clause 25.12 is amended as follows:</p> <p>Clause 25.12.1 is deleted and replaced with the following:</p> <p>25.12.1 Ninety per cent (90%) of such value in interim payment certificates issued up to the date of practical completion.</p> <p>Clause 25.12.2 is deleted and replaced with the following:</p> <p>25.12.2 Ninety-five per cent (95%) of such value in interim payment certificates issued on to the date of practical completion and up to but excluding the date of final completion</p> <p>Clause 31.8.3 is deleted</p> <p>Clause 25.10 is deleted and replaced with the following:</p> <p>25.10 The employer shall pay to the contractor the amount certified in an interim payment certificate within thirty (30) calendar days of the date of receipt of the contractor's tax invoice for the amount certified.</p> <p>Clause 25.15 is deleted and replaced with the following clause:</p> <p>25.15 The employer shall pay the contractor the amount certified in the final payment certificate within thirty (30) calendar days of the date of issue of the final payment certificate subject to the contractor giving the employer a tax invoice for the amount due.</p> <p>Clause 25.16 is deleted and replaced with the following clause:</p> <p>25.16 The contractor shall accept or object to the final account within forty-five (45) calendar days of receipt thereof. On acceptance or should the contractor not object with reasons to the final account within such period, the principal agent shall issue the final payment certificate.</p>
6.18	<p>FINAL ACCOUNT AND FINAL PAYMENT</p> <p>Clause 34.3 is deleted and replaced with the following clause:</p> <p>34.3 The contractor shall accept or object to the final account within forty-five (45) calendar days of receipt thereof. On acceptance or should the contractor not object with reasons to the final account within such period, the principal agent shall issue the final payment certificate [34.5].</p> <p>Clause 34.10 is deleted and replaced with the following clause:</p>

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Clause	Data
	<p>34.10 The employer shall pay the contractor the amount certified in the final payment certificate within thirty (30) calendar days of the date of issue of the final payment certificate subject to the contractor giving the employer a tax invoice for the amount due.</p>
<p>6.19</p>	<p>TERMINATION BY THE EMPLOYER – CONTRACTOR’S DEFAULT</p> <p>Clause 29.1 is amended by the addition of the following clauses to the end thereof:</p> <p>29.1.4 The contractor’s refusal or neglect to comply strictly with any of the conditions of contract.</p> <p>29.1.5 The contractor’s estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force with the Republic of South Africa.</p> <p>29.1.6 The contractor, in the judgment of the employer, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.</p> <p>29.1.7 The contractor fails to perform in terms of the agreement or the employer on reasonable ground believe that the contractor may not be able to comply with his obligation.</p>
<p>6.20</p>	<p>Refer to the Preliminaries Section in the Bill of Quantities for any additional amendments to the Standard JBCC Document.</p>

PART 2: Data Provided by the Contractor

The Contractor is advised to read the *JBCC Principal Building Agreement (May 2018, Edition 6.2)* and section 3.0 *Payment and adjustment of preliminaries* contained in the associated *Contract Data CE*, published by the Joint Building Contracts Committee, in order to understand the implications of this Data which is required to be completed. Copies of these documents may be obtained from the Association of South African Quantity Surveyors (011-3154140), the Master Builders Association (011-205-9000) the South African Association of Consulting Engineers (011-4632022) or the South African Institute of Architects (011-4860684)

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

Clause	Data with reference to the JBCC Principal Building Agreement (Edition 6.2, May 2018)	
1.0	The Contractor is. Name : The address of the Contractor is: Address (physical) : Address (postal) : Telephone : Facsimile: E-mail : TAX / VAT Registration No :	
2.1	The security provisions selected are:	
[11.1.1]	Variable construction guarantee	NO
[11.1.2]	Fixed Construction Guarantee and Payment Reduction	YES
3.2.4	Contract Value shall be adjusted according to the CPAP: Not applicable This tender is for a fixed rate contract.	
3.2.5 [C 3.0]	Payment of preliminaries: Option A	
3.2.6 [C 4.0]	Adjustment of preliminaries: Option A	

Signature

Date

TENDER NUMBER: WCNCB 10/09/2025

C1.3 CONSTRUCTION GUARANTEE**GUARANTOR DETAILS AND DEFINITIONS**

Guarantor means	<hr/>		
Physical address	<hr/>		
Guarantor's signatory 1	<hr/>	Capacity	<hr/>
Guarantor's signatory 2	<hr/>	Capacity	<hr/>
Employer means	<hr/>		
Contractor means	<hr/>		
Principal Agent means	<hr/>		
Works means	<hr/>		
Site means	<hr/>		
Agreement means	The JBCC Principal Building Agreement (Edition 6.2., May 2018)		
Contract Sum means	The accepted amount inclusive of tax of		<input type="text"/>
Amount in words	<hr/>		
Guaranteed Sum means	The maximum aggregate amount of		<input type="text"/>
Amount in words	<hr/>		
Construction Guarantee	(Insert Variable or Fixed)	<input type="text"/>	(Insert expiry date) <input type="text"/>

AGREEMENT DETAILS

Sections: Total sections (No or n/a) Last section (No / Identification or n/a)

Principal Agent issues: Interim payment certificates, Final payment certificate, Practical completion certificate/s and Final completion certificate/s

1. VARIABLE CONSTRUCTION GUARANTEE

1.1 Where a variable Construction Guarantee in terms of the Agreement has been selected this 1.0 with 3.0 to 13.0 shall apply. The Guarantor's liability shall be limited to the diminishing amounts of the Guaranteed Sum as follows:

GUARANTOR'S LIABILITY

1.1.1 Maximum Guaranteed Sum (not exceeding 10% of the contract sum) in the amount of:

Amount in words:

PERIOD OF LIABILITY

From and including the date of issue of this Construction Guarantee and up to and including the date of the interim payment certificate certifying in excess of 50% of the contract sum

1.1.2 Reducing to the Guaranteed Sum (not exceeding 5% of the contract sum)

From and including the day after the date of the aforesaid interim payment certificate and up to and including the date of the only

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in the amount of:

practical completion certificate or last practical completion certificate where there are sections

Amounts in words: _____

1.1.3 Reducing to the Guaranteed Sum (not exceeding 4.0% of the contract sum) in the amount of:

From and including the day after the date of the applicable practical completion certificate and up to and including the date of the only final completion certificate or last final completion certificate where there are sections

Amounts in words: _____

1.1.4 Reducing to the Guaranteed Sum (not exceeding 2.0% of the contract sum) in the amount of:

From and including the day after the date of the applicable final completion certificate and up to and including the date of the final payment certificate where payment is due to the Contractor, whereupon this Construction Guarantee shall expire. Where the final payment certificate reflects payment due to the Employer, this Construction Guarantee shall expire upon payment of the full amount certified

Amounts in words: _____

1.2 For avoidance of doubt the Guarantor's liability limits set out in 1.1.1 to 1.1.4 shall apply in respect of any claim received by the Guarantor during the period in question

2. FIXED CONSTRUCTION GUARANTEE

2.1 Where a fixed Construction Guarantee in terms of the Agreement has been selected this 2.0 with 3.0 to 13.0 shall apply. The Guarantor's liability shall be limited to the amount of the Guaranteed Sum as follows:

GUARANTOR'S LIABILITY

Maximum Guaranteed Sum (not exceeding 10.0% of the contract sum) in the amount of:

PERIOD OF LIABILITY

From and including the date of issue of this Construction Guarantee and up to and including the date of the only practical completion certificate or the last practical completion certificate where there are sections, upon which this Construction Guarantee shall expire

Amounts in words: _____

3. The Guarantor hereby acknowledges that:

3.1 Any reference in this Guarantee to the Agreement 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 Guarantee is restricted to the payment of money

4. Subject to the Guarantor's maximum liability referred to in 1.0 or 2.0, the Guarantor hereby undertakes to pay the Employer the sum certified upon receipt of the documents identified in 4.1 to 4.3:

TENDER NUMBER: WCNCB 10/09/2025

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4.1 A copy of a first written demand issued by the Employer to the Contractor stating that payment of a sum certified by the Principal Agent in an interim or final payment certificate has not been made in terms of the Agreement and failing such payment within seven (7) calendar days, the Employer intends to call upon the Guarantor to make payment in terms of 4.2

4.2 A first written demand issued by the Employer to the Guarantor at the Guarantor's physical address with a copy to the Contractor stating that a period of seven (7) calendar days has elapsed since the first written demand in terms of 4.1 and that the sum certified has still not been paid therefore the Employer calls up this Construction Guarantee and demands payment of the sum certified from the Guarantor

4.3 A copy of the said payment certificate which entitles the Employer to receive payment in terms of the Agreement of the sum certified in 4.0

5. Subject to the Guarantor's maximum liability referred to in 1.0 or 2.0, the Guarantor undertakes to pay 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 Construction Guarantee stating that:

5.1 The Agreement has been cancelled due to the Contractor's default and that the Construction Guarantee is called up in terms of 5.0. The demand shall enclose a copy of the notice of cancellation; or

5.2 A provisional sequestration or liquidation court order has been granted against the Contractor and that the Construction Guarantee is called up in terms of 5.0. The demand shall enclose a copy of the court order

6. It is recorded that the aggregate amount of payments required to be made by the Guarantor in terms of 4.0 and 5.0 shall not exceed the Guarantor's maximum liability in terms of 1.0 or 2.0

7. Where the Guarantor is a registered insurer and has made payment in terms of 5.0, 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 the Construction Guarantee have been expended and shall refund to the Guarantor any resulting surplus. All monies refunded to the Guarantor in terms of this Construction Guarantee shall bear interest at the prime overdraft rate of the Employer's bank compounded monthly and calculated from the date payment was made by the Guarantor to the Employer until the date of refund

8. Payment by the Guarantor in terms of 4.0 or 5.0 shall be made within seven (7) calendar days upon receipt of the first written demand to the Guarantor

9. The Employer shall have the absolute right to arrange his affairs with the Contractor in any manner which the Employer deems fit and the Guarantor shall not have the right to claim his release from this Construction Guarantee on account of any conduct alleged to be prejudicial to the Guarantor

10. The Guarantor chooses the physical address as stated above for all purposes in connection herewith

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11. This Construction Guarantee is neither negotiable nor transferable and shall expire in terms of either 1.1.4 or 2.1, or payment in full of the Guaranteed Sum or on the Guarantee expiry date, whichever is the earlier, where after no claims will be considered by the Guarantor. The original of this Construction Guarantee shall be returned to the Guarantor after it has expired

12. This Construction Guarantee, with the required demand notices in terms of 4.0 or 5.0, shall be regarded as a liquid document for the purpose of obtaining a court order

13. Where this Construction 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 _____

Guarantor's
Signatory 2 _____

Witness _____

Witness _____

Guarantor's seal or stamp

C1.4 OCCUPATIONAL HEALTH AND SAFETY AGREEMENT

THIS AGREEMENT between CapeNature (hereinafter called "the Employer") on the one part, herein represented by:in his/her capacity as.....
and.....

(hereinafter called "the Contractor") of the other part herein represented by
.....in his/her capacity as
.....

WHEREAS the Employer is desirous that certain works be constructed, being contract for **repairs, alterations and upgrades on ERF 252 33 Main Road Arniston**

– and has accepted a tender by the Contractor for the construction, completion and maintenance of such works and whereas the Employer and the Contractor have agreed to certain arrangements and procedures to be followed in order to ensure compliance by the Contractor with the provisions of the Occupational Health and Safety Act 1993 (Act 85 of 1993).

NOW THEREFORE THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. The Contractor shall execute the work in accordance with the contract documents pertaining to this contract.
2. This Agreement shall hold good for the duration of construction, commencing from the handover of the site up to the end of the defect's liability period.
3. Should the contract be terminated for any reason; this agreement shall lapse upon the date of termination.
4. The Contractor declares himself to be conversant with the following:
 - (a) All the requirements, regulations and standards of the Occupational Health and Safety Act (Act 85 of 1993), hereinafter referred to as "the Act", together with its amendments thereto.
 - (b) All the requirements of the Construction Regulations hereinafter referred to as the "Regulations", together with any amendments thereto.
 - (c) The Health and Safety Specification of the Employer as pertaining to the Contractor and to all his subcontractors.
5. In addition to the requirements of the contract, the Contractor agrees to execute all the works forming part of this contract and to operate and utilise all machinery, plant and equipment in accordance with the Act and the Regulations.
6. The Contractor is responsible for the compliance with the Act and the Regulations by all his subcontractors, whether or not selected or nominated and/or approved by the Employer.
7. The Contractor warrants that all his and his subcontractors' workmen are covered in terms of the Compensation for Occupational Injuries and Diseases Act 1993 which cover shall remain in force whilst any such workmen are present on site. A letter of good standing from the Compensation Commissioner to this effect must be produced to the Employer upon signature of the agreement.
8. The Contractor undertakes to ensure that he and/or his subcontractors and/or their respective employees will at all times comply with the following conditions:

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- (a) The Contractor undertakes to comply with all provisions of the Act and its Regulations.
- (b) The Contractor will be obliged to report to the Employer on a regular basis regarding compliance by the Contractor with the Act and its Regulations.
- (c) All incidents referred to in the Occupational Health and Safety Act shall be reported by the Contractor to the Department of Labour as well as to the Employer. The Employer will further be provided with copies of all written documentation relating to any incident.
- (d) The Employer hereby records an interest in the issue of any formal enquiry conducted in terms of Section 32 of the Occupational Health and Safety Act into any incident involving the Contractor and/or his employees and/or his subcontractors.

In witness thereof the parties hereto have set their signatures hereon in the presence of the subscribing witnesses:

for and on behalf of the Contractor who warrants to be duly authorised to do so

Name: _____

Designation: _____

As witnesses:

1. _____

for and on behalf of the Employer who warrants to be duly authorised to do so

Name: _____

Designation: _____

As witnesses:

1. _____

C1.5 AGREEMENT IN TERMS OF SECTION 37(2) OF THE OCCUPATIONAL HEALTH AND SAFETY ACT NO. 85 OF 1993

THIS AGREEMENT is made between the CapeNature represented by the(hereinafter called the EMPLOYER of the one part, herein represented by: in his/her capacity as: and: (hereinafter called the CONTRACTOR) of the other part, herein represented by in his/her capacity as: duly authorised to sign on behalf of the Contractor.

WHEREAS the CONTRACTOR is the Mandatory of the EMPLOYER in consequence of an agreement between the CONTRACTOR and the EMPLOYER in respect

for the

Repairs, alterations and upgrades on ERF 252 33 Main Road Arniston

AND WHEREAS the EMPLOYER and the CONTRACTOR have agreed to enter into an agreement in terms of the provisions of Section 37(2) of the Occupational Health and Safety Act No 85 of 1993, as amended by OHSA Amendment Act No 181/1993 (hereinafter referred to as the ACT);

NOW THEREFORE the parties agree as follows:

1. The CONTRACTOR undertakes to acquaint the appropriate officials and employees of the CONTRACTOR with all relevant provisions of the ACT and the regulations promulgated in terms thereof.
2. The CONTRACTOR undertakes to fully comply with all relevant duties, obligations and prohibitions imposed in terms of the ACT and Regulations: Provided that should the EMPLOYER have prescribed certain arrangements and procedures that same shall be observed and adhered to by the CONTRACTOR, his officials and employees. The CONTRACTOR shall bear the onus of acquainting himself/herself/itself with such arrangements and procedures.
3. The CONTRACTOR hereby accepts sole liability for such due compliance with the relevant duties, obligations, prohibitions, arrangements and procedures, if any, imposed by the ACT and Regulations, and the CONTRACTOR expressly absolves the EMPLOYER and the Employer's AGENTS from being obliged to comply with any of the aforesaid duties, obligations, prohibitions, arrangements and procedures in respect of the work included in the contract.
4. The CONTRACTOR agrees that any duly authorised officials of the EMPLOYER shall be entitled, although not obliged, to take such steps as may be necessary to ensure that the CONTRACTOR has complied with his undertakings as more fully set out in paragraphs 1 and 2 above, which steps may include, but shall not be limited to, the right to inspect any appropriate site or premises occupied by the CONTRACTOR, or to take such steps it may deem necessary to remedy the default of the CONTRACTOR at the cost of the CONTRACTOR.

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5. The CONTRACTOR shall be obliged to report forthwith to the EMPLOYER any investigation, complaint or criminal charge which may arise as a consequence of the provisions of the ACT and Regulations, pursuant to work performed in terms of this agreement, and shall, on written demand, provide full details in writing of such investigation, complaint or criminal charge.

Thus signed at for and on behalf of the **CONTRACTOR**

on this the day of 20.....

SIGNATURE: _____

NAME AND SURNAME: _____

CAPACITY: _____

WITNESS: _____

Thus signed at for and on behalf of the **EMPLOYER** on this

the day of 20.....

SIGNATURE: _____

NAME AND SURNAME: _____

CAPACITY: _____

WITNESS: _____

PART C2: PRICING DATA

C2.1 PRICING INSTRUCTIONS

1. The Bills of Quantities have been drawn up in accordance with the Standard System of Measuring Building Work (as amended) published and issued by the Association of South African Quantity Surveyors (Seventh Edition), 2015. Where applicable the:
 - a) civil engineering work has been drawn up in accordance with the provisions of the latest edition of SABS 1200 Standardised Specifications for Civil Engineering Works.
 - b) mechanical work has been drawn up in accordance with the provisions of the Model Bills of Quantities for Refrigeration, Air-Conditioning and Ventilation Installations, published by the South African Association of Quantity Surveyors, July 1990).
 - c) electrical work has been drawn up in accordance with the provisions of the Model Bills of Quantities for Electrical Work, published by the South African Association of Quantity Surveyors, (July, 2005).
2. The agreement is based on the JBCC Principal Building Agreement, prepared by the Joint Building Contracts Committee, Edition 6.2, May 2018. The additions, deletions and alterations to the JBCC Principal Building Agreement as well as the contract specific variables are stated in the Contract Data.
3. The JBCC General Preliminaries (May 2018) published by the Joint Building Contracts Committee, are forming part of the overall Preliminaries Bill of Quantities and the preliminaries specific variables are stated within the Preliminaries Bills of Quantities.
4. Descriptions in the Bills of Quantities are abbreviated and comply generally with those in the "General Preambles for Trades 2017" published by the Association of South African Quantity Surveyors.
5. Unless otherwise stated, items are measured net in accordance with the drawings and no allowance is made for waste.
6. The prices and rates to be inserted in the Bills of Quantities are to be the full inclusive 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. Reasonable prices shall be inserted as these will be used as a basis for assessment of payment for additional work that may have to be carried out.
7. A price or rate is to be entered against each item in the 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.
8. Except where rates only are required, insert all amounts to be included in the total tendered price in the "amount" column and show the corresponding total tendered price.
9. It will be assumed that prices included in the 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.za or www.iso.org for information on standards).

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10. The drawings listed in the Scope of Works used for the setting up these Bills of Quantities are kept by the quantity surveyor and can be viewed at any time during office hours up until the completion of the works.
11. Reference to any particular trademark, name, patent, design, type, specific origin or producer is purely to establish a standard for requirements. Products or articles of an equivalent standard may be substituted, subject to the Principal Agent's approval.
12. Where any item is not relevant to this specific contract, such item is marked N/A (signifying "not applicable")
13. The Contract Data and the standard form of contract referenced therein must be studied for the full extent and meaning of each and every clause set out in Section 1 (Preliminary and General) of the Bills of Quantities
14. The Bills of Quantities is not intended for the ordering of materials or programming of the works. Any ordering of materials or programming of the works, based on the Bills of Quantities, is at the Contractor's risk.
15. The amount of the Preliminary Section to be included in each monthly payment certificate shall be assessed as an amount prorated to the value of the work duly executed in the same ratio as the preliminaries bears to the total of prices excluding any contingency sum, the amount for the Preliminary and General Section and any amount in respect of contract price adjustment provided for in the contract.
16. Where the initial contract period is extended, the monthly charge shall be calculated on the basis as set out in 15 but taking into account the revised period for completing the works.
17. The amount or items of the Preliminary Section shall be adjusted to take account of the theoretical financial effect which changes in time or value (or both) have on this section. Such adjustments shall be based on adjustments in the following categories as recorded in the Bills of Quantities:
 - a) an amount which is not to be varied, namely Fixed (F)
 - b) an amount which is to be varied in proportion to the contract value, namely Value Related (V); and
 - c) an amount which is to be varied in proportion to the contract period as compared to the initial construction period excluding revisions to the construction period for which no adjustment to the contractor is not entitled to in terms of the contract, namely Time Related (T).
18. Where no provision is made in the Bills of Quantities to indicate which of the three categories in 17 apply or where no selection is made, the adjustments shall be based on the following breakdown:
 - a) 10 percent is Fixed;
 - b) 15 percent is Value Related
 - c) 75 percent is Time Related.
19. The adjustment of the Preliminary Section shall apply notwithstanding the actual employment of resources in the execution of the works. The contract value used for the adjustment of the Preliminary Section shall exclude any contingency sum, the amount for the Preliminary Section and any amount in respect of contract price adjustment provided for in the contract. Adjustments in respect of any staged or sectional completion shall be prorated to the value of each section.
20. It is a condition of this tender that the successful contractor shall be required to subcontract a minimum value of work to local SMME's equal to 30% of the building works. In this regard it is envisaged that separate Preliminaries will be required by these respective SMME's to execute their works and the Contractor is duly advised to strictly price separately from the 'Main

CAPE NATURE

- Contractors' Preliminaries for Preliminaries to be paid to the respective SMME's in the execution of their works. Bidders are to also ensure that they use market related rates for SMME Pricing. Failure to do so will/may result in the tenderer being disqualified from the bidding process.
21. The quantities of work as measured and accepted and certified for payment in accordance with the conditions of contract, and not the quantities stated in the Bill of Quantities, will be used to determine payments to the Contractor. The validity of the Contract shall in no way be affected by difference between the quantities in the Bill of Quantities and the quantities certified for payment. The Ordering of materials is not to be based on the Bill of Quantities, but only on information issued for construction purposes.
22. For the purposes of this Bill of Quantities, the following words shall have the meanings hereby assigned to them:
23. the
- | | |
|----------|---|
| Unit | : The unit of measurement for each item of work as defined in the Standardized, Project or Particular Specifications |
| Quantity | : The number of units of work for each item |
| Rate | : The payment per unit of work at each which the Tenderer tenders to do the work |
| Amount | : The quantity of an item multiplied by the tendered rate of the (same) item |
| Sum | : An amount tendered for an item, the extent of which is described in the Bill of Quantities, the Specifications or elsewhere, but of which the quantity of work is not measured in units |
24. The units of measurements indicated in the bill of Quantities are metric units. The following abbreviations may appear in the Bill of Quantities:
- | | |
|----------------------|---|
| mm | = millimetre |
| m | = metre |
| km | = kilometre |
| km-pass | = kilometre-pass |
| m ² | = square metre |
| m ² -pass | = square metre-pass |
| ha | = hectare |
| m ³ | = cubic metre |
| m ³ -km | = cubic metre-kilometre |
| kW | = kilowatt |
| kN | = kilonewton |
| kg | = kilogram |
| t | = ton (1 000 kg) |
| % | = per cent |
| MN | = meganewton |
| MN-m | = meganewton-metre |
| PC Sum | = Prime Cost Sum (Cost of material supplied excluding vat, profit and labour, but including transport and delivery costs) |
| Prov Sum | = Provisional Sum |
| No | = number |
25. Occupational Health and Safety Act and Construction Regulations
A payment item in the Bill of Quantities has been made to allow the tenderers to price for compliance with OHSA and the Construction Regulations. This payment item must also include for the erection of Visitors Indemnity Signs and for ensuring that visitors receive instructions and sign an indemnity declaration.
26. Security
The Contractor is to allow for pricing of additional security as stated in the Preliminaries section

PART C3: SCOPE OF WORK

C3.1. Description of the Works

- C3.1.1. Employer's objectives
- C3.1.2. Overview of the works
- C3.1.3. Location of the works
- C3.1.4. Temporary works
- C3.1.5. Access and working areas

C3.2. Engineering

- C3.2.1. Design services and activity matrix
- C3.2.2. Employer's design
- C3.2.3. Design brief
- C3.2.4. Drawings
- C3.2.5. Design procedures

C3.3. Procurement

- C3.3.1. Requirements
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C3.4. Construction

- C3.4.1. Works specifications
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- C3.4.3. Construction Equipment
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- C3.4.6. Site usage
- C3.4.7. Permits and way leaves
- C3.4.8. Alterations, additions, extensions and modifications to existing works
- C3.4.9. Inspection of adjoining properties
- C3.4.10. Water for construction purposes
- C3.4.11. Survey control and setting out of the works
- C3.4.12. Features requiring special attention

C3.5. Management

- C3.5.1. Health and safety specification
- C3.5.2. Environmental specifications

PART C3: SCOPE OF WORK

C3.1 DESCRIPTION OF THE WORKS

C3.1.1 Employer's objectives and clarification notes

CapeNature invites tenders for: **Repairs, alterations and upgrades to existing house on ERF 252 33 Main Road Arniston**

The project is to be completed within 6 months of the commencement date. This will require an accelerated construction programme. The contractor is required to make provision for accelerating the works within the tendered rates.

C3.1.2 Overview of the works

This contract includes the **repairs, alterations and upgrades to existing house on ERF 252 33 Main Road Arniston**

Tenderers must allow for all items, whether specified or not, required to complete the installation over and above all the items listed in the tender document. The Contractor's Scope of Work will specifically include the following:

- Building works associated with various trades
- Construction of layer works, (subbase and base layers) per the pavement design specification.
- Installation of kerbs.
- Surfacing of internal roads with interlocking paving blocks.
- Installation of copper/uPVC pipes and related fixtures.
- Installation of mechanical installations
- Installation of fire protection equipment.
- Installation of external fencing and access gates.
- Installation of CCTC

C3.1.3 Location of the works

The proposed site for the works is ERF 252 33 Main Road Arnistone

C3.1.4 Temporary works

The contractor is to design, supply, construct, demolish and spoil at his own cost any temporary works required for the construction of the works.

As the works are to be constructed within a built-up urban area, the Contractor will be required to carry out all temporary works that will be necessary to maintain the flow of traffic and to ensure that pedestrian and vehicular access is maintained to local residential buildings and businesses.

C3.1.5 Access and working areas

Access to the site is 33 Main Road Arniston

Working space is sometimes restricted. The construction method used in these restricted areas largely depends on the Contractor's Plant. Notwithstanding, measurement and payment will be strictly according to the specified cross-sections and dimensions irrespective of the method used, and the rates and prices tendered will be deemed to include full compensation for any difficulties encountered by the Contractor while working in restricted areas. No extra payment nor any claim for payment due to these difficulties will be considered.

C3.2 ENGINEERING**C3.2.1 Design Services & Activity Matrix**

The following parties are responsible for the various design stages of the project.

DESCRIPTION	RESPONSIBLE
Concept, feasibility and overall process	Employers Agents / Professional Team
Basic sketches and Preliminary Design	Employers Agents / Professional Team
Final design to approval for construction stage	Employers Agents / Professional Team
Temporary Works	Contractor
Preparation of as built drawings	Contractor

C3.2.2 Employers Design

All permanent works required for construction shall be designed by the employer and his appointed agents / professional team.

C3.2.3 Design Brief

The Employer has briefed the consultants as to the design requirements.

C3.2.4 Drawings

Contractors are to ensure that all drawings attached to this document are as per the drawing register. The drawings included with the tender document are for information and tender purposes only. Detail construction drawings will be issued to the contractor at site handover and revisions thereto during the construction stage of the project.

The following drawings are applicable to the contract:

ARCHITECTURE

- A 100 R0
- A 200 R0
- A250 R0
- A220 R0

ELECTRICAL

- E300-0-0A

- E300-1-0A
- EE-1-1.0

The Contractor will be supplied with three (3) copies of each of the construction drawings. These copies will be issued free of charge and the contractor shall make any additional prints he may require at his own cost.

Only figured dimensions shall be used and drawings are not to be scaled unless so instructed by the principal agent. The principal agent will supply any figured dimensions, which may have been omitted from the drawings.

All drawings and documents are to be considered the sole property of the Sibanye Still water and are to be returned to them on completion of the Works.

The drawings, etc., are to be used by the Contractor for the purpose of this Contract only. All drawings must be properly cared for, protected and kept in good condition.

Should any part or parts of the Drawings, Specifications or Bills of Quantities not be clearly intelligible to the Contractor, or the material or articles to be used in the execution of the Works be considered insufficiently described or the manner in which the work is to be carried out not be clear, the Contractor must obtain from the Principal Agent the necessary information to clarify such Drawings, Specification, Bills of Quantities or instructions which request shall be in writing.

The Contractor shall be held solely responsible for and shall, at his own expense, rectify any errors arising out of incorrect interpretation of the Drawings, Specifications, Bills of Quantities or instructions.

Upon receipt of detail drawings for any work, the Contractor shall, before putting that work in hand, ascertain that the dimensions given on the detail drawings correspond with the dimensions of any work already built and which governs the sizes of any work for which details are now issued.

In the event of the detail drawings not agreeing with the works already built, the discrepancy shall be brought to the Principal Agent's attention timeously and the detail drawings shall be returned at once for alterations.

All dimensions will be figured on the drawings or may be calculated from figured dimensions and are always to be followed. No dimensions shall be obtained by scaling.

C3.2.5 Design Procedures

Where the Contractor is required to design any sub-contract or specialist works, the relevant professional indemnity must be taken out at the contractor's costs. All shop drawings must be issued timeously for approval by the Principal Agent. A late issue of shop drawings by the Contractor will not constitute a valid claim for extension of time.

C3.3 PROCUREMENT

C3.3.1 Requirements

The contractor shall be required to adopt labour-based techniques through the full spectrum of the works with the proviso that the Client's specific objectives regarding time and quality are not compromised. Maximisation of employment shall be of the essence on this contract.

Together with their tenders, all Tenderers are required to submit a comprehensive implementation plan clearly stating the labour content and number of jobs that shall be created. The employment of labour shall be reflected in a programme in sufficient details to enable the Project Manager to monitor and compare it with the implementation plan.

The Contractor shall be required to submit employment data on a monthly basis to the Project Manager.

C3.4 CONSTRUCTION

C3.4.1 Works specifications

Applicable national and international standards

For preambles refer to “General Specification of Materials and Methods used for Building Contracts” (GP/ASC)

Particular / generic specifications

Works are to be carried out in accordance with the construction drawings and according to Sibanye Stillwater, Royal Bafokeng Administration and Rustenburg Local Municipality's norms and standards.

Certification by recognized bodies

Non-Applicable.

C3.4.2 Plant and Materials

The contractor shall ensure that adequate plant and materials are procured at his own cost and available as required in order to complete the works as specified in line with the contract programme. The contractor shall supply a report to the Principal Agent on a fortnightly basis as to the plant and materials on site (or on order), and their utilization in relation to the construction programme.

There is no guarantee given or implied that the Contractor will be permitted to utilise any or all of the plant he proposes to use in the construction of the Works.

C3.4.3 Construction Equipment

The contractor shall ensure that adequate construction equipment is available at his own cost as required in order to complete the works as specified in line with the contract programme. The contractor shall supply a report to the Principal Agent on a fortnightly basis as to the construction equipment on site and their utilization in relation to the construction programme.

There is no guarantee given or implied that the Contractor will be permitted to utilise any or all of the equipment he proposes to use in the construction of the Works.

C3.4.4 Existing Services

All known existing services and those services which require relocation and protection, are shown on the services plans. The Contractor's attention is drawn to the fact that such services information is based on information supplied by others, and accuracy and completeness of this information has not been confirmed. The contractor will therefore be required to proceed with extreme caution in order to avoid damage to existing services.

In general, the engineer may call upon the contractor to re-excavate trenches previously dug and backfilled by others where in the opinion of the engineer such work is necessary to ensure the stability of any other works over such trenches. This in no way relieves the contractor of his responsibilities in term of the works.

C3.4.5 Site Establishment

The Contractor shall make available temporary facilities necessary for providing the works which are not provided by the Employer including telecommunications, security services, medical, fire protection, sanitation and toilets, waste disposal, etc.

The contractor shall not make any changes to the senior management relative to the agreement without the principal agent's express written approval.

Services and Facilities Provided by the Employer:

- Nil

Facilities Provided by the Contractor:

- The contractor is to provide facilities, necessary to complete the project as specified.
- The contractor is to provide suitable hoarding to the entire site for the entire duration of the project to meet the Principal Agent's requirements. Including any necessary making good upon completion.

Storage and Laboratory Facilities:

- The contractor is to provide facilities, necessary to complete the project as specified.

Other Facilities and Services:

- The contractor is to provide facilities, necessary to complete the project as specified.

Vehicles and Equipment:

- The contractor is to provide vehicles and equipment necessary to complete the project as specified.

Advertising Rights:

- The contractor may not place any advertising boards or the like on the site or in any public area without the express written permission of the employer.

Notice Boards:

- The contractor must place a contract notice board outside his site camp as specified by the employer.

Office Accommodation for Meeting Room:

- The contractor must provide a meeting room to accommodate a maximum of 20 people. The meeting room is to be air-conditioned.
- The contractor must provide an air-conditioned office space for the engineers for construction monitoring.

C3.4.6 Site Usage

The contractor will have unlimited access to the site; however, all construction activities are to comply with Municipal by laws. The accommodation of vehicular and pedestrian traffic on the site is to be always maintained.

The contractor is to allow for the accommodation and diversion of pedestrian traffic in his preliminaries & general items all in accordance with the South African Road Traffic Signs Manual, The Occupational Health & Safety Act & The Construction Regulations as amended, including on-going liaison with the traffic authorities and management of traffic, alterations to kerbing and landscaping, barricading road entrances, temporary signage, dust screens, painting of lines, etc. The traffic accommodation proposal shall be approved by the Principal Agent prior to the execution of the works.

The contractor is to maintain temporary accesses to all businesses during business hours and to all residential properties outside of business hours. In the event that the contractor cannot maintain access to residents' properties for vehicular parking and the like, the contractor is to provide alternative secure parking for residents at his own cost. Similarly, should residents be forced to park on the street due to construction activities, the contractor shall provide security personnel to guard the resident's vehicles.

The cost hereof shall be included in the contractor's preliminaries & general items.

C3.4.7 Permits and way leaves

N/A

C3.4.8 Alterations, additions, extensions and modifications to existing works

Care must be taken not to affect the structures stability and props must be installed if there is any doubt as to the structural integrity of the building. All rubble must be removed in a manner acceptable to the Principal Agent.

The works at tender stage are not finalised and are subject to change.

The Architect will prepare a handover document including photographs of the existing building.

C3.4.9 Inspection of Adjoining Properties

Contactors are to ensure that adequate inspections of adjoining properties are carried out (and records are kept thereof) to ensure that any claims received from adjoining properties due to damage can be dealt with decisively. The settlement of any claims in this regard shall be dealt with in terms of the policies in place by The Sibanye Stillwater. Photographs must be taken to document the inspection.

C3.4.10 Water and Electricity for Construction Purposes

The cost for temporary water and electricity would be for the contractor's account.

C3.4.11 Survey Control and setting out of the works

By the Contractor

C3.4.12 Features requiring special attention

(a) Site maintenance

During progress of the work and upon completion thereof, the Site of the Works shall be kept and left in a clean and orderly condition. The Contractor shall store materials and equipment for which he is responsible in an orderly manner and shall keep the Site free from debris and obstructions.

(b) Testing and quality control

(i) Contractor to Engage Services of an Independent Laboratory

Notwithstanding the requirements of the Specifications pertaining to testing and quality control, the Contractor shall engage the services of an approved independent laboratory to undertake all testing of materials, the results of which are specified in, or may reasonably be inferred from, the Contract. These results will be taken into consideration by the Principal Agent in deciding whether the quality of materials utilised, and workmanship achieved by the Contractor comply with the requirements of the Specifications. .

The Contractor shall be responsible for arranging with the independent testing laboratory for the timeous carrying out of all such testing specified in the Contract, at not less than the frequencies and in the manner specified. The Contractor shall promptly provide the Principal Agent with copies of the results of all such testing carried out by the independent laboratory.

For the purposes of this clause, an "independent laboratory" shall mean an "approved laboratory" which is not under the management or control of the Contractor and in which the Contractor has no financial interest, nor which has any control or financial interest in the Contractor.

(ii) Costs of Testing

(a) Costs of Testing

The costs of all testing carried out by the independent laboratory shall be borne by the Contractor and shall be deemed to be included in the bided rates and prices for the respective items of work as listed in the Schedule of Quantities and which require testing in terms of the Specifications. No separate payments will be made by the Employer to the Contractor in respect of any testing carried out.

Where, because of the consistency of the materials varying or as a result of failure to meet the required specifications for the work, it becomes necessary to carry out additional tests (e.g. re-tests on rectified work and/or replacement materials), the costs of such additional testing shall be for the Contractor's account.

(b) Additional Tests Required by the Principal Agent

Additional testing required by the Principal Agent, shall be reimbursed to the Contractor against substitution of the Provisional Sum allowed therefore in the Schedule of Quantities; provided always that the costs of any such additional tests ordered by the Principal Agent, the results of which indicate that the quality of the materials utilised and/or the standard of workmanship achieved are/is not in accordance with the specifications, shall not be reimbursable to the Contractor.

(c) Subcontractors

All matters pertaining to subcontractors (including Nominated Subcontractors) and the work executed by them shall be dealt with directly between the Principal Agent and the Contractor in the context of all subcontract work being an integral part of the Works for which the Contractor is responsible.

The Principal Agent will not liaise directly with any subcontractors, nor will he issue instructions concerning the subcontract works directly to any subcontractor.

All matters arising from the subcontract agreements shall be dealt with directly between the Contractor and the subcontractors and the Principal Agent will not become involved.

C3.5 MANAGEMENT

C3.5.1 HEALTH AND SAFETY SPECIFICATIONS

This part of C3.5 Management contains specifications for Health and Safety matters not covered by C3.4 Construction Specifications.

The number of each clause in this specification is prefixed with an E to differentiate these clauses and items.

SECTION E1000: HEALTH AND SAFETY REQUIREMENTS

E1001 SCOPE

This health and safety specification establishes the overarching framework within which a contractor is required to satisfy general requirements for occupation health and safety in an engineering and construction works contract.

Note: (1) This specification establishes general requirements to enable the employer and the contractor to satisfy the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) and the Construction Regulations, 2014.

(2) The Construction Regulations, 2014, require an employer to stop any contractor from executing construction work which is not in accordance with the contractor's health and safety plan for the site or which poses a threat to the health and safety of persons.

E1002 DEFINITIONS

Act: The Occupational Health and Safety Act, 1993 (Act No. 85 of 1993).

competent person: any person having the knowledge, training and experience specific to the work or task being performed.

ergonomics: the application of scientific information concerning humans to the design of objects, systems and the environment for human use to optimize human well-being and overall system performance.

hazard: a source of or exposure to danger.

incident: an event or occurrence occurring at work or arising out of or in connection with the activities of persons at work, or in connection with the use of plant or machinery, in which, or in consequence of which:

- (a) any person dies, becomes unconscious, suffers the loss of a limb or part of a limb or is otherwise injured or becomes ill to such a degree that he is likely either to die or to suffer a permanent physical defect or likely to be unable for a period of at least 14 days either to work or to continue with the activity for which he was employed or is usually employed;
- (b) a major incident occurred; or
- (c) the health or safety of any person was endangered and where:
 - (i) a dangerous substance was spilled.

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- (ii) the uncontrolled release of any substance under pressure took place.
- (iii) machinery or any part thereof fractured or failed resulting in flying, falling or uncontrolled moving objects; or machinery ran out of control.

health and safety plan: a documented plan which addresses hazards identified and includes safe work procedures to mitigate, reduce or control the hazards identified.

health and safety specification: a documented specification of all health and safety requirements pertaining to the associated works on a construction site, so as to ensure the health and safety of persons.

inspector: a person designated as such under section 28 of the Act.

major incident: an occurrence of catastrophic proportions, resulting from the use of plant or machinery, or from activities at a workplace.

reasonably practicable: practicable having regard to:

- (a) the severity and scope of the hazard or risk concerned.
- (b) the state of knowledge reasonably available concerning that hazard or risk and of any means of removing or mitigating that hazard or risk.
- (c) the availability and suitability of means to remove or mitigate that hazard or risk; and
- (d) the cost of removing or mitigating that hazard or risk in relation to the benefits deriving therefrom.

risk: the probability that injury or damage will occur.

safe: free from any hazard.

scaffold: any temporary elevated platform and supporting structure used for providing access to and supporting workmen or materials or both.

specification data: data, provisions and variations that make this specification applicable to a particular contract.

Structure:

- (a) any building, steel or reinforced concrete structure (not being a building), railway line or siding, bridge, waterworks, reservoir, pipe or pipeline, cable, sewer, sewage works, fixed vessels, road, drainage works, earthworks, dam, wall, mast, tower, tower crane, batching plants, pylon, surface and underground tanks, earth retaining structure or any structure designed to preserve or alter any natural feature, and any other similar structure;
- (b) any formwork, false work, scaffold or other structure designed or used to provide support or means of access during construction work; or
- (c) any fixed plant in respect of work which includes the installation, commissioning, decommissioning or dismantling and where any such work involves a risk of a person falling two meters or more.

substance: any solid, liquid, vapour, gas or aerosol, or combination thereof.

suitable: capable of fulfilling or having fulfilled the intended function or fit for its intended purpose.

E1003 INTERPRETATION

E3.1 The Act and its associated regulations shall have precedence in the interpretation of any ambiguity or inconsistency between it and this specification.

E3.2 Compliance with the requirements of this specification does not necessarily result in compliance with the provisions of the Act.

E1004 REQUIREMENTS

E4.1 General requirements

- E4.1.1 The contractor shall execute the works in a manner that complies with all the requirements of the Act and all its associated regulations, and in so doing, minimize the risk of incidents occurring.
- E4.1.2 The contractor shall with respect to the site and the engineering and construction works that are contemplated:
 - a) Identify the hazards and evaluate the risks associated with such work constituting a hazard to the health and safety of such employees and the steps that need to be taken to comply with the Act
 - b) As far as is reasonably practicable, prevent the exposure of such employees to the hazards concerned or, where prevention is not reasonably practicable, minimize such exposure.
- E4.1.3 The contractor shall as far as is reasonably practicable, cause every employee to be made conversant with the hazards to his health and safety attached to any work which he has to perform, any article or substance which he has to produce, process, use, handle, store or transport and any plant or machinery which he is required or permitted to use, as well as with the precautionary measures which should be taken and observed with the respect to those hazards.

- E4.1.4 The contractor shall ensure that all employees under his or her control are:
- (a) informed, instructed and trained by a competent person regarding any hazard and the related work procedures before any work commences, and thereafter at such times as may be determined in the risk assessment
 - (b) issued with proof of health and safety induction training issued by a competent person and carry proof of such induction when working on site.
- E4.1.5 The contractor shall not allow or permit any employee to enter any site, unless such person has undergone health and safety induction training pertaining to the hazards prevalent on the site at the time of entry.
- E4.1.6 The contractor shall ensure that each visitor to a construction site, save where such visitor only visits the site office and is not in direct contact with the construction work activities:
- (a) Undergoes health and safety instruction pertaining to the hazards prevalent on the site; and
 - (b) Is provided with the necessary personal protective equipment.
- E4.1.7 The contractor shall provide suitable on-site signage to alert workers and visitors to health and safety requirements.
- E4.1.8 The contractor shall not permit any person who is or who appears to be under the influence of intoxicating liquor or drugs, to enter or remain at a workplace.

E4.2 Health and safety representatives

- E4.2.1 The contractor shall appoint in writing one health and safety representative for every 50 employees of the contractor working on the site, whenever there are more than 20 employees on the site; to:
- (a) review the effectiveness of health and safety measures.
 - (b) identify potential hazards and potential major incidents.
 - (c) in collaboration with his employer, examine the causes of incidents.
 - (d) investigate complaints by any employee of the contractor relating to that employee's health or safety on the site.
 - (e) make representations to the contractor on matters arising from a), b), c) or d) or on general matters affecting the health or safety of the employees at the workplace.
 - (f) inspect the site with a view to the health and safety of employees, at regular intervals.
 - (g) participate in consultations with inspectors at the workplace and accompany inspectors on inspections of the workplace; and
 - (h) participate in any internal health or safety audit.

- E4.2.2 The contractor shall inform the relevant safety representative:
- (a) beforehand of inspections, investigations or formal inquiries of which he has been notified by an inspector; and
 - (b) as soon as reasonably practicable of the occurrence of an incident on the site.
- E4.2.3 The contractor shall convene health and safety meetings whenever more than two health and safety representatives have been appointed for the site. These meetings shall be attended by all health and safety representatives and shall be convened at least once every month to:
- (a) make recommendations to the employer regarding any matter affecting the health or safety of people on the site; and
 - (b) discuss any incident on the site in which or in consequence of which any person was injured, became ill or died.
- E4.2.4 The contractor shall consult with the health and safety committee on the development, monitoring and review of the risk assessment.

E4.3 Appointment of construction supervisor and safety officers

- E4.3.1 The contractor shall appoint a full-time competent employee designated in writing as the construction supervisor for the site, with the duty of supervising the performance of the work falling within the scope of the contract and may appoint one or more competent employees to assist the appointed construction supervisor.
- E4.3.2 A contractor may having considered the size of the Project, the degree of dangers likely to be encountered or the accumulation of hazards or risks on the site, appoint a full-time or part-time construction safety officer in writing, who has in the contractor's opinion the necessary competencies and resources, to assist the contractor in the control of all safety related aspects on the site.
- E4.3.3 The contractor shall ensure that the construction supervisor is in possession of the most recently updated version of the fall protection plan.
- E4.3.4 The contractor shall ensure that the construction supervisor is in possession of the most recently updated version of the fall protection plan.
- E4.3.5 The contractor shall ensure that the following activities, as relevant, are carried out under the supervision of a competent person and that such persons are appointed in writing:
- (a) all formwork and support work operations.
 - (b) excavation work.
 - (c) demolition work.
 - (d) scaffolding work operations.
 - (e) suspended platform work operations.
 - (f) operation of batch plants; and
 - (g) the stacking and storage of articles on the site.

E4.4 Risk assessment

E4.4.1 The contractor performing work falling within the contract shall, before the commencement of any such work and during construction work, cause a risk assessment to be performed by a competent person appointed in writing. Such an assessment shall as a minimum:

- (a) identify the risks and hazards to which persons may be exposed to;
- (b) analyse and evaluate the identified risks and hazards;
- (c) document a plan of safe work procedures to mitigate, reduce or control the risks and hazards that have been identified;
- (d) provide a monitoring plan; and
- (e) provide a review plan.

Note: A risk assessment is an important step in protecting workers as well as complying with the law. It helps you focus on the risks that really matter in a particular workplace – the ones with the potential to cause real harm. Workers and others have a right to be protected from harm caused by a failure to take reasonable control measures. The following four steps are recommended:

Identify the hazards by looking at what could reasonably be expected to cause harm, ask employees or their representatives what they think, obtain advice from trade associations or publications on health and safety, check manufacturer's instructions or data sheets for chemicals and equipment as they can be very helpful in spelling out the hazards and putting them in their true perspective, review accident and ill-health records, think about long-term hazards to health (e.g. high levels of noise or exposure to harmful substances) as well as safety hazards etc.

Identify who may be harmed and how by identifying how groups of people might be harmed i.e. what type of injury or ill health might occur.

Evaluate the risks and decide on precautions by doing everything 'reasonably practicable' to protect people from harm i.e. by looking at how things are done, what controls are in place and how the work is organised and comparing this against good practice to see if more can be done to bring practices up to standard. Consider if the hazard can be got rid of all together, and if not how can the risks be controlled so that harm is unlikely, e.g. try a less risky option (e.g. switch to using a less hazardous chemical); prevent access to the hazard (e.g. by guarding); organise work to reduce exposure to the hazard (e.g. put barriers between pedestrians and traffic); issue personal protective equipment (e.g. clothing, footwear, goggles etc.); and provide welfare facilities (eg first aid and washing facilities for removal of contamination).

Record the findings by writing down the findings of the risk assessment.

E4.4.2 The contractor shall ensure that as far as is reasonably practicable, ergonomic related hazards are analysed, evaluated and addressed in the risk assessment.

E4.4.3 The contractor shall require a competent person to prepare a fall protection plan in compliance with the requirements of the Construction Regulations.

E4.4.4 Notwithstanding the provisions of the fall protection plan, the contractor shall ensure that:

- (a) all unprotected openings in floors, edges, slabs, hatchways and stairways are adequately guarded, fenced or barricaded or that similar means are used to safeguard any person from falling through such openings;

- (b) no person works in an elevated position, unless such work is performed safely as if working from a scaffold or ladder;
- (c) notices are conspicuously placed at all openings where the possibility exists that a person might fall through such openings;
- (d) fall prevention and fall arrest equipment is:
 - (i) suitable and of sufficient strength for the purpose or purposes for which it is being used having regard to the work being carried out and the load, including any person, it is intended to bear; and
 - (ii) securely attached to a structure or plant and the means of attachment thereto is suitable and of sufficient strength and stability for the purpose of safely supporting the equipment and any person who is liable to fall; fall arrest equipment is only used where it is not reasonably practicable to use fall prevention equipment; and
- (e) suitable and sufficient steps are taken to ensure, as far as is reasonably practicable, that in the event of a fall by any person, the fall arrest equipment or the surrounding environment does not cause injury to the person.

E4.4.5 Where roof work is being performed on a construction site, the contractor shall ensure that it is indicated in the fall protection plan that:

the roof work has been properly planned;

the roof erectors are competent to carry out the work;

no employees are permitted to work on roofs during inclement weather conditions or if weather conditions are a hazard to the health and safety of the employees;

prominent warning notices are to be placed where all covers to openings are not of sufficient strength to withstand any imposed loads and where fragile material exists;

the areas mentioned in paragraph (d) are to be barricaded off to prevent persons from entering;

suitable and sufficient platforms, coverings or other similar means of support have been provided to be used in such a way that the weight of any person passing across or working on or from fragile material is supported; and there is suitable and sufficient guard-rails or barriers and toe-boards or other similar means of protection to prevent, so far as is reasonably practicable, the fall of any person, material or equipment.

E4.4.6 The contractor shall ensure that:

- (a) all reasonably practicable steps are taken to prevent the uncontrolled collapse of any new or existing structure or any part thereof, which may become unstable or is in a temporary state of weakness or instability due to the carrying out of construction work;
- (b) no structure or part of a structure is loaded in a manner which would render it unsafe; and
- (c) specification data prepared by the designer of the structure is taken into account in the risk assessment;

Note: The specification data provided by the designer should outline known or anticipated dangers or hazards relating to the works and make available all information required for

the safe execution of the work. It should provide as relevant, geotechnical information (or make reference to reports provided in the site information), the loading the structure is designed to withstand, the methods and sequence of construction.

E4.5 Health and safety plans

E4.5.1 The contractor shall prior to commencing the works to which this specification applies, submit to the employer for approval a suitable and sufficiently documented health and safety plan, based on this specification and the risk assessment that is conducted.

E4.5.2 The health and safety plan shall as a minimum provide:

- (a) the information contained in Table 1 in respect of each of the hazards associated with work falling within the scope of the contract (see Figure 1); and

Table 1: Example of the format of a health and safety plan

What are the hazards?	Who might be harmed and how?	What are the safe work procedures for the site?	What further action is necessary (monitoring and review)?	Action by whom	Action by when

- (b) an outline of the manner in which the contractor intends complying with the requirements of this specification.

E4.5.3 The contractor shall discuss the submitted health and safety plan with the employer's representative, modify such plan in the light of the discussions and resubmit the modified plan for approval.

E4.5.4 The contractor shall apply the approved health and safety plan from the date of commencement of and for the duration of the works to which this specification applies.

E4.5.5 The contractor shall conduct periodic audits for compliance with the approved health and safety plan at intervals agreed upon with the employer, but at least once every month.

E4.5.6 The contractor shall update the health and safety plan whenever changes to the works are brought about.

E4.6 Subcontractors

E4.6.1 The contractor may only subcontract work in terms of a written subcontract and shall only appoint a Sub-contractor should he be reasonably satisfied that such a Sub-contractor has the necessary competencies and resources to perform the work falling within the scope of the contract safely. Such a subcontract shall require that the Sub-contractor shall:

- (a) co-operate with the contractor as far as is necessary to enable both the contractor and Sub-contractor to comply with the provisions of the Act; and
- (b) as far as is reasonably practicable, promptly provide the contractor with any information which might affect the health and safety of any person at work carrying out work or any person who might be affected by the work of such a person at work or which might justify a review of the health and safety plan.

- E4.6.2 The contractor shall provide any Sub-contractor who is submitting a tender or appointed to perform a sub-contract falling within the scope of the contract, with the relevant sections of this specification and associated specification data which might be pertinent to the sub-contract.
- E4.6.3 The contractor shall take reasonable steps as are necessary to ensure:
- (a) co-operation between all Sub-contractors to enable each of those Sub-contractors to comply with the requirements of the Act and associated regulations; and
 - (b) that each Sub-contractor's health and safety plan is implemented.
- E4.6.4 The contractor shall conduct periodic audits for compliance with the approved health and safety plan of each and every Sub-contractor working on the site at intervals agreed upon with such contractors, but at least once per month.
- E4.6.5 The contractor shall stop any contractor from executing construction work which is not in accordance with the contractor's or Sub-contractor's health and safety plan for the site or which poses a threat to the health and safety of persons.
- E4.6.6 The contractor shall ensure that where changes to the works occur, sufficient health and safety information and appropriate resources are made available to the Sub-contractor to execute the work safely.
- E4.6.7 The contractor shall ensure that:
- (a) every Sub-contractor is registered and in good standing with the compensation fund or with a licensed compensation insurer prior to work commencing on site;
 - (b) potential Sub-contractors submitting tenders have made provision for the cost of health and safety measures during the construction process; and
 - (c) every Sub-contractor has in place a documented health and safety plan prior to commencing any work on site which falls within the scope of the contract.
- E4.6.8 The contractor shall receive, discuss and approve health and safety plans submitted by Sub-contractors.
- E4.6.9 The contractor shall ensure that all Sub-contractors are informed regarding any hazard as stipulated in the risk assessment before any work commences, and thereafter at such times as may be determined in the risk assessment.
- E4.6.10 The contractor shall reasonably satisfy himself that all employees of Sub-contractors are informed, instructed and trained by a competent person regarding any hazard and the related work procedures before any work commences, and thereafter at such times as may be determined in the risk assessment. The contractor shall satisfy himself and ensure that all Sub-contractor employees deployed in the site are:
- a) informed, instructed and trained by a competent person regarding any hazard and the related work procedures before any work commences, and thereafter at such times as may be determined in the risk assessment; and
 - b) issued with proof of health and safety induction training issued by a competent person and carry proof such induction when working on site.

E4.7 Reporting of incidents

The contractor shall notify the employer's representative of any incident as soon as possible after it has occurred and report such incidence to an inspector.

E4.8 Administration

E4.8.1 Notification of intention to commence construction work

The contractor shall notify the Provincial Director of Labour in writing using a form similar to that contained in Annexure A of the Construction Regulations issued in terms of the Act before construction work commences and retain a copy of such notification in the health and safety file where such work:

- involves the demolition of a structure exceeding a height of 3m;
- involves the use of explosives to perform construction work;
- involves the dismantling of fixed plant at a height greater than 3m;
- exceeds 30 days or will involve more than 300 person days of construction work; and includes:
 - (a) excavation work deeper than 1m; or
 - (b) working at a height greater than 3 m above ground or a landing.

E4.8.2 Health and safety file

E4.8.2.1 The contractor shall maintain on site a health and safety file on site which contains copies of the following, as relevant:

- (a) the notification made to the Provincial Director of Labour in terms of 4.4.1;
- (b) the letters of appointment of health and safety representatives;
- (c) the minutes of all health and safety meetings;
- (d) a comprehensive and updated list of all the Sub-contractors (nominated, selected or domestic) employed on site by the contractor, indicating the type of work being performed by such Sub-contractors;
- (e) a copy of each and every subcontract agreement;
- (f) the contractor's health and safety plan;
- (g) the health and safety plans of all the contractor's Sub-contractors who are required to provide such plans;
- (h) the recommendations made to the contractor by the health and safety committee referred to in 4.2.3
- (i) any report made to an inspector by the health and safety committee referred to in 4.2.3; and
- (j) the findings of all audit reports made regarding the implementation of the contractor's or a Sub-contractor's health and safety plan;
- (k) proof that the contractor and every Sub-contractor is registered and in good standing with the compensation fund or with a licensed compensation insurer;
- (l) the inputs of the safety officer, if any, into the health and safety plan;

- (m) a copy of risk assessments made by competent persons;
- (n) details of induction training conducted whenever it is conducted;
- (o) proof of all Sub-contractor's induction training whenever it is conducted;
- (p) letters of appointments for competent persons to supervise prescribed activities;
- (q) proof of the following where suspended platforms are used:
 - (i) a certificate of system design issued by a professional engineer, professional certificated engineer or a professional engineering technologist;
 - (ii) proof of competency of erectors;
 - (iii) proof of compliance of operational design calculations with requirements of the system design certificate;
 - (iv) proof of performance test results;
 - (v) sketches indicating the completed system with the operational loading capacity of the platform;
 - (vi) procedures for and records of inspections having been carried out;
 - (vii) procedures for and records of maintenance work having been carried out;
 - (viii) proof that the prescribed documentation has been forwarded to the provincial director;
- (r) records of the register of inspections made by a competent person immediately before and during the placement of concrete or any other load on formwork; and
- (s) the names of the first aiders on site and copies of the first aid certificates of competency.

E4.8.2.2 The health and safety file shall be made available for inspection by any inspector, Sub-contractor, employer's representative, employer's agent, health and safety representative or employee of the contractor upon the request of such persons.

E4.8.2.3 The contractor shall hand over the health and safety file to the employer upon completion of the contract together with a record of all drawings, designs, materials used and other similar information concerning the completed structure.

E4.9 First aid, emergency equipment and procedures

The contractor shall where more than five employees are employed at a workplace, provide a first aid box or boxes at or near the workplace which shall be available and accessible for the treatment of injured persons at that workplace. Such first aid boxes shall contain suitable first aid equipment.

The contractor shall ensure that where there are more than 10 employees employed on the site that for every group of up to 50 employees at that workplace, at least one person is readily available during normal working hours, who is in possession of a valid certificate of competency in first aid.

C3.5.2 ENVIRONMENTAL SPECIFICATIONS

This part of C3.5 Management contains specifications for Environmental matters not covered by C3.4 Construction Specifications.

The number of each clause in this specification is prefixed with an F to differentiate these clauses and items.

SECTION F1000 : ENVIRONMENTAL MANAGEMENT**F1001 SCOPE**

The Contractor is required to comply with the requirements of the detailed Environmental Management Plan (EMP) throughout construction.

The following are standardised additional specifications applicable. They are intended to assist the appointed Contractors to fulfill the environmental requirements of the Project. The objective of the EMP is to ensure that the potential impacts upon the environment are minimised, and that upon completion of each section of work the area is left in a clean and sustainable condition.

Overall the environmental impacts of the Project are considered to be low as long as the listed procedures are followed. These are given in the EMP.

The Contractor is advised that there are cost implications to the EMP and these must be factored into the tendered price.

F1002 ENVIRONMENTAL MANAGEMENT PLAN**F2.1 Objectives**

The prime objective of the EMP is to minimise or avoid significant environmental impacts by using a pro-active approach and planning procedures.

The second objective is to have a plan in place to rehabilitate areas that have been impacted upon and, thirdly,

To have a plan in place for emergency situations that arise and are detrimental to the environment e.g. fuel or bitumen spills.

The Contractor will be responsible for the day-to-day implementation of the EMP, by himself and all other Sub-contractors. During the course of construction regular compliance audits will be undertaken. This environmental auditing will be conducted by qualified environmental practitioners.

F2.2 Environmental Control

The Contractor will oversee the environmental aspects of the construction phase of the Project in consultation with the Principal Agent

The Contractor will report back to the bi-weekly site meetings with regards to compliance to the environmental specifications.

F2.3 Environmental Awareness Programme

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The Principal Agent will implement an Environmental Awareness Programme for the Contractor, his staff, Sub-contractors and all people working on the Project. The initial session will be immediately prior to construction commencing.

F2.4 Method Statements

The Contractor shall submit written method statements for activities that are identified by the Principal Agent, as being potentially harmful to the environment, or for work that is to be undertaken in areas identified as being environmentally sensitive.

Such activities include dewatering of excavations, pumping, working with cement, erection of construction camps and fuel stores, etc.

The Method Statement shall cover applicable details with regard to:

- construction procedures,
- materials and equipment to be used,
- getting the equipment to and from site,
- how the equipment/ material will be moved while on site,
- how and where material will be stored,
- the containment (or action to be taken if containment is not possible) of leaks or spills of any liquid or material that may occur,
- timing and location of activities,
- compliance/ non-compliance with the Specifications, and
- any other information deemed necessary by the Principal Agent.

Method statements shall be submitted at least 7 days prior to commencing work on the activity to give the Principal Agent time to study the method statement and consult with contractor and specialists and to obtain written approval of the method statements. The Contractor shall not commence on that activity until such time as the method statement has been agreed to in writing by the Principal Agent. This will be done within this 10-day period.

Any changes required to the method statements once construction has commenced must be agreed upon in writing with the Principal Agent before being instituted.

F2.5 Working Areas

Regardless of the extent of the work, the following applies to all of these areas:

- All materials must be stockpiled or stored in a designated area (at each site) avoiding sensitive areas.
- No materials must be left on site once work is completed neither may they be dumped at any other place on site.
- Litter bins and containers for waste materials must be provided by the Contractor at each site. Bins should be weatherproof and scavenger proof.
- All waste must be placed in the bins and containers. No waste may be left lying on the site.
- Visible anti-litter signs must be displayed around the waste collection points and all employees must be encouraged to observe site rules pertaining to solid waste management practices. A concerted effort should be made to collect and dispose of materials suitable for recycling, separately from the other solid waste.
- No burning or burial of waste is permitted.

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- Any soils contaminated by the contractor must be removed or rehabilitated. If a significant amount of soil has to be removed fresh soil must be imported and the site rehabilitated by grading and planting vegetation.
- All waste must be removed to an authorised landfill site, or taken to a facility for recycling.
- Any excess road building materials must either be:
 - taken to a site for stockpiling and future re-use,
 - used for localised rehabilitation, or
 - removed from site by the contractor for disposal.
- The contractor shall provide waste bins for solid waste collection and storage. Such bins should be placed at designated areas within the site. The refuse collected from the site must be removed for landfill disposal at least once a week.
- Vehicles may not park in the road reserve except with the prior permission of the Principal Agent.
- Every care should be taken to avoid damaging vegetation or land when vehicles are in use.
- Fuel tanks, pumps, and all equipment using oil, diesel, etc. must have drip trays. The drip trays must have sufficient capacity to contain liquids that will spill in the case of failure of the tanks, etc. The waste liquids taken from the trays must be disposed of at a landfill which permits disposing of liquid wastes.
- Only emergency repairs to vehicles and equipment may take place on site. Where emergency repairs take place it is the responsibility of the contractor to ensure that all waste (e.g. spare parts and oils) are removed from site as soon as possible. All other repairs must take place at a yard off-site, where facilities are suitable and waste facilities are appropriate.
- Whenever practical a tarpaulin should be laid down, prior to emergency repairs taking place, to protect the environment from contamination.
- No natural vegetation may be gathered, removed or destroyed in the course of the Project, except where agreed to by the landowner.
- No hunting is permitted.
- Fires are prohibited.
- Erosion control measures must be implemented if the need arises.
- Pollution of water courses by any means must be avoided.
- No defacement of any natural or other features will be allowed; this includes markings for road works, unless markings are restricted to the road surface.
- Dust suppression measures should be implemented if and when required.
- Chemical toilets must be provided at all sites and must be within walking distance of the workers. They must be serviced on a regular basis in order to be kept clean and hygienic. The toilets must be placed in a sheltered place and should be locked after working hours if they are outside a camp area. Alternative arrangements to use existing toilets with owners' written consent may be allowed when submitted in writing.
- All waste from toilets must be disposed of at a permitted landfill or waste treatment works.

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F2.6 On-site Workers Camp

F2.6.1 Site Camp

The campsite selection should be carried out in consultation with the landowner or relevant authority.

The site must be selected with due regard to the environment. Due care should be taken to avoid areas where sensitive vegetation and habitats occur.

When the site selection process has been completed, the contractor will define the boundaries of the site and erect a fence with a controlled access around it if practical.

All activities associated with the camp must be restricted to the demarcated area.

It is the responsibility of the contractor to ensure the safety of all personnel within the boundaries of the site. The contractor should have an on-site contingency plan detailing measures to be observed in the case of a health, safety or environmental emergency.

The contractor should ensure that all employees, employed by him and/or employed by Sub-contractors, have a clear understanding of safety regulations and procedures.

F2.6.2 Water, wastewater, and storm water

Site occupants must have access to safe drinking water.

If water is stored on site a clear distinction should be made between drinking water and multi-purpose water storage facilities.

All water used on site must be taken from a legal source and comply with recognised standards for potable and other uses.

Wastewater that is contaminated with soaps, detergents and other undesirable materials, such as grease and oils, should be collected in conservancy tanks and disposed of safely in a wastewater treatment facility.

It is illegal to discharge water into a public stream if the quality does not conform with required health standards.

In all camps storm water must be managed to prevent erosion.

Run-off will be diverted to control ponds so that silt may settle and any pollutants are trapped.

Subsequently, any pollutants must be treated, or removed and disposed of at a permitted landfill site or recycling facility.

All materials should be protected from the rain to prevent them being washed into stormwater channels.

F2.6.3 Ablution Facilities

The contractor shall provide proper and adequate sanitary facilities for all site employees.

These facilities shall be maintained in good and working condition at all times. Odours emanating from these facilities should be controlled within acceptable levels.

F2.6.4 Fires and Cooking Facilities

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Fires will not be allowed.

The contractor must supply cooking facilities that are suitable for the environment and are not liable to cause the outbreak of fires. Fire-fighting equipment must be supplied by the Contractor at suitable locations.

F2.7 Plant and Equipment Storage Facility

F2.7.1 Plant

At the end of the shift all plant should be driven or transported back to the campsite for proper and safe overnight storage.

The contractor should ensure that equipment left elsewhere is stored in a manner that will not impact negatively upon the environment.

The plant should be regularly inspected for fuel and oil leaks that may be harmful to the environment, and/or aquatic life if washed into a stream or river.

F2.7.2 Hazardous Materials

Hazardous materials should be stored under lock and key in designated areas with properly displayed and visible warning signs.

All storage of hazardous materials must comply with legislation and regulations.

(c) F1003 REHABILITATION

Upon completion of each section of work the site must be cleared of all equipment, waste and any rehabilitation work must be undertaken. This may include local grading of soils and re-vegetation where sites have been disturbed.

Immediately after the demolition of the campsite, the contractor shall restore the site to its original state, paying particular attention to its appearance relative to the general landscape.

It is imperative that any potential erosion problems are addressed. This may require subsequent site visits to monitor the efficacy of erosion control measures.

(d) F1004 EMERGENCY PLANS

The onus is on the contractor to assess the potential risks to the environment as a result of the Project. For example, accidental spillage of materials may pollute the soil or any water body.

The contractor must draw up a suitable emergency plan to contain such pollution. The emergency plans and procedures must be taught to all the workers on site, so that everyone is prepared to cope with an emergency.

Appropriate equipment must be available to carry out the emergency plans.

(e) F1005 ENVIRONMENTAL AUDITING AND PENALTIES

On a regular basis, a qualified auditor will carry out a site audit to ascertain and verify the contractor's level of compliance with the requirements of the EMP.

Transgression will be treated as a contravention of the contractual agreement.

Deviation from these prescribed requirements will be met with penalties that are intended to enforce compliance.

TENDER NUMBER: WCNCB 10/09/2025

CAPENATURE

It is a requirement that the contractor keep concise records of mitigatory measures undertaken at each site to minimise environmental impacts.

Any emergency situations that impact upon the environment should be recorded by the contractor together with the action that was taken to rehabilitate and remediate the site.

A copy of all completed environmental audits will be given to the contractor and the employer by the auditor.

Any public complaints regarding the environment must be recorded and discussed with the Engineer to determine an appropriate course of action.

The contractor will be responsible for all costs incurred in the rehabilitation of sites.

The contractor will be responsible for all costs incurred where emergency procedures are implemented to deal with accidents that impact upon the environment.

The contractor will be responsible for ensuring that all procedures required to rehabilitate all sites are implemented.

If third parties are called to the site to perform clean up and rehabilitation procedures, the contractor will be responsible for all costs.

Penalties will be imposed for contravention of the EMP, as specified in the EMP:

CAPENATURE

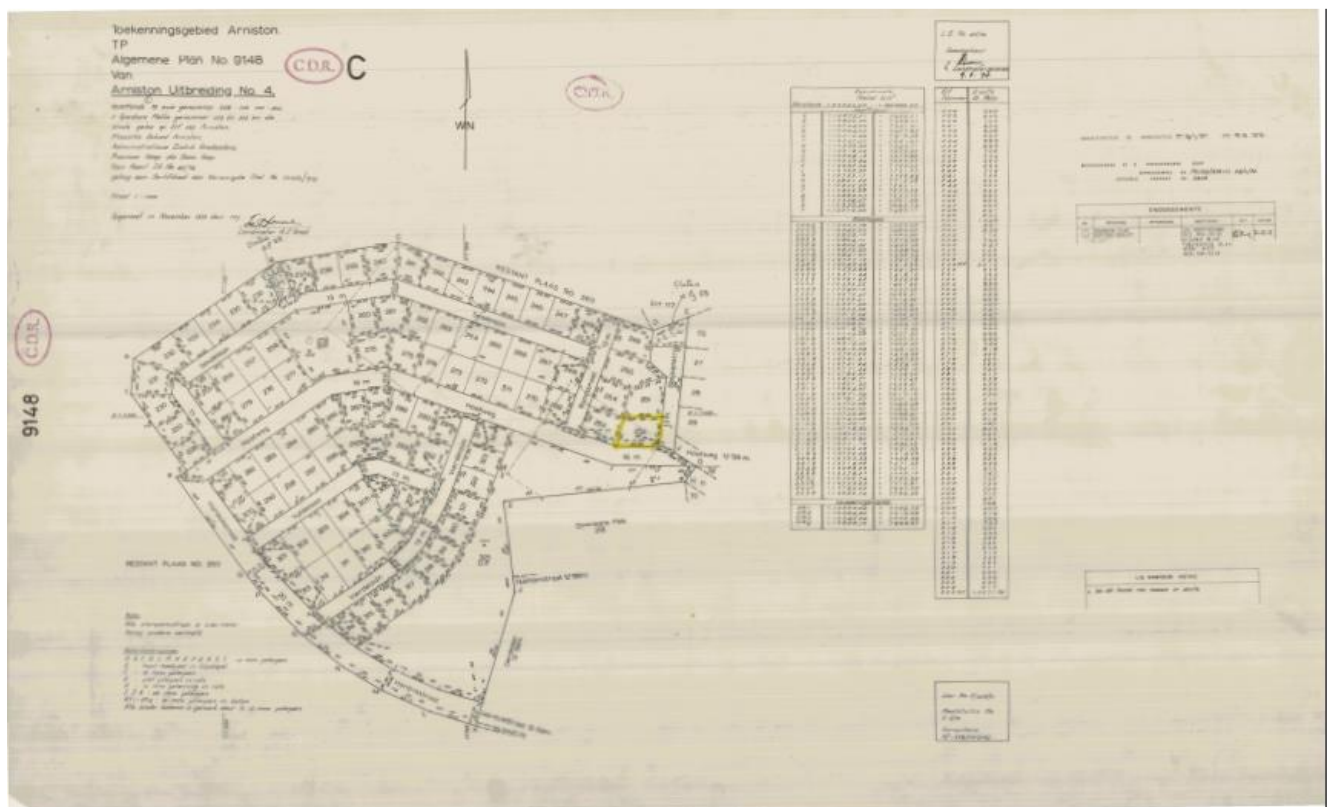
PART C4: SITE INFORMATION

Information Only

All data and descriptions contained in this section of the contract documents are given for information purposes only and cannot be interpreted as prescriptive even though the text may give the opposite perspective. If any conflict arises between the content of this section and other sections of the contract documents, the latter take precedence.

C4.1 LOCALITY PLAN

The site is located on ERF 252 33 Main Road Arniston, Western Cape, South Africa



Locality Map for ERF 252

C4.2 CONDITIONS ON SITE

Tenderers are encouraged to visit the site so that they determine site conditions that need to be included in their tenders

PART C5: DRAWINGS

C5.1 Drawings are provided separately.

C5.2. OCCUPATIONAL HEALTH & SAFETY SPECIFICATIONS

C5.2.1 Occupational health and safety specifications are provided separately.

TENDER NUMBER: WCNCB 10/09/2025

New electrical fence

GENERAL NOTES:

1. REFER TO DRAWING E0 FOR GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. COORDINATE WORK WITH OTHER DISCIPLINES AS REQUIRED
3. CONTRACTOR SHALL UPDATE ALL PANELBOARD CIRCUIT DIRECTORIES UPON COMPLETION OF DEMOLITION.
4. PRIOR TO COMMENCEMENT OF WORK, ELECTRICAL CONTRACTOR SHALL TRACE ALL CIRCUITS AND FIELD VERIFY WIRING AND CONDUIT SIZES. ELECTRICAL CONTRACTOR SHALL REPORT RESULTS TO ENGINEER FOR REVIEW.

[illegible]

Client



Job Title
**PROPOSED EXTENSIONS TO KISII OHC
ON LR NO. KISII MUNICIPALITY
BLOCK 111/117 KISII MUNICIPALITY**

CONSULTANTS



Sheet Name
PROPOSED ELECTRICAL POWER LAYOUT

FOR BOQ PURPOSES

Drawn by
EBO

Issue Date
28/08/2025

Revision
rev.B

Checked by
P.O

Scale

Sheet No.
EE-1-1.0

Job Number
AKH/05/2025



GROUND FLOOR PLAN












1. REFER TO DRAWING EO FOR
GENERAL NOTES, SYMBOLS AND
ABBREVIATIONS.

2. COORDINATE WORK WITH
OTHER DISCIPLINES AS REQUIRED







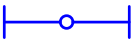


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POWER/OTHERS

POWER/OTHERS		
KEY	REF	DESCRIPTION
	DB	POWER DISTRIBUTION BOARD
	1P	15A SINGLE SWITCH RECEPTACLE
	UP	20A UN-SWITCHED RECEPTACLE
	WP	15A WATERPROOF SWITCHED RECEPTACLE
	2P	15A TWIN SWITCHED RECEPTACLE
	CC	CCTV SURVEILLANCE POINT
	T	INTERCOM POINT AUDIO/VIDEO
	TV	TV POINT RF/IP
	S1	1 GANG 1/2 WAY SWITCH
	S2	2 GANG 1/2 WAY SWITCH
	S3	3 GANG 1/2 WAY SWITCH

KEY	CODE	DESCRIPTION
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LIGHTING		
KEY	CODE	DESCRIPTION
	P1	DECORATIVE 12W LED PENDANT LIGHTS
	P2	12W LED PENDANT LIGHT
	D1	18W LED CEILING RECESSED DOWN LIGHT
	D2	18W IP44 LED CEILING MOUNTED DOWN LIGHT
	D3	18W IP54 LED CEILING RECESSED DOWN LIGHT
	FL	50W IP65 FLOODLIGHT WITH SENSOR
	F	1200MM FLOURESCENT LIGHT
	ML	MIRROR LIGHT WITH SHAVER SOCKET
	N	3W IP65 NIGHT LIGHT

Client



Job Title

CONSULTANTS



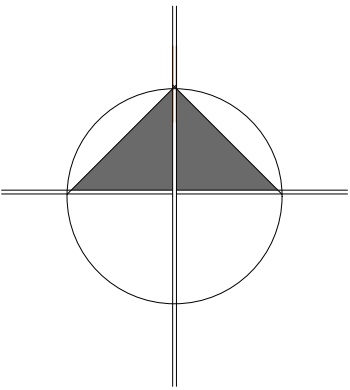
Sheet Name

PROPOSED ELECTRICAL LIGHTING LAYOUT

FOR BOQ PURPOSES

<u>Drawn by</u> EBO	<u>Checked by</u> JM
<u>Issue Date</u> 09/06/2025	<u>Scale</u> NTS
<u>Revision</u> rev.A	<u>Sheet No.</u> E-300-0-0A

Job Number
2025/JM/001



- Notes:
1. Replace all existing asbestos gutters with new aluminium gutters.
2. Replace all existing windows with new aluminium windows.
3. Replace any broken roof tiles.
4. New plumbing and fittings to specification.
5. Plaster exposed brick on walls and repaint.
6. New kitchen cupboards and countertops.
7. Remove all bedroom cupboard doors, add rail and open shelves.
8. Remove existing flooring, make good and add Flowcrete epoxy screed.
9. Screen yard facing windows in the house for staff privacy in staff area.
10. Repair all damage items and make good.
11. Remove any asbestos items and replace with safe materials.
12. Install new electrical wiring and fittings where needed.
13. Install new alarm system and tracking.
14. Replace existing water tanks with new.
15. New braai to details.
16. Refurbish external gazebo with seating to details.
17. Replace existing vent louvres with new aluminium vent louvres.
18. Remove existing fence and boundary wall, add new electrical fence, boundary wall and clear-vu fence as shown.

NOTES:

1. ALL WORK TO BE CARRIED OUT IN STRICT ACCORDANCE TO NATIONAL BUILDING REGULATIONS.
2. ALL DISCREPANCIES TO BE REPORTED TO THE ARCHITECT IMMEDIATELY, WORK TO PROCEED ONCE THE PROBLEM HAS BEEN RESOLVED.
3. THE USE OF TRADE NAMES ON THIS DRAWING SIMPLY SERVES TO INDICATE A STANDARD ACCEPTABLE TO THE ARCHITECT/CLIENT. ANY OTHER BRAND MAY BE USED WITH THE PRIOR WRITTEN APPROVAL OF THE ARCHITECT/CLIENT.
4. WORK FROM FIGURED DIMENSIONS ONLY.
5. CHECK ALL DIMENSIONS AND LEVELS ON SITE BEFORE COMMENCING ANY WORK.
6. CONSULT WITH THE ARCHITECT AND IN CONJUNCTION WITH DETAILS, SCHEDULES, DRAINAGE DRAWINGS, INTERNAL ELEVATIONS, ENGINEERS AND OTHER SPECIALIST'S DRAWINGS.

REVISIONS		
REV.	DESCRIPTION	DATE

Principal Agent	MIRADI ARCHITECTS
Architects	MIRADI ARCHITECTS
Quantity Surveyors	
Structural/Civil Engineers	
Electrical Engineers	
Mechanical Engineers	
Contractor	

CLIENT:



CLIENT SIGNATURE: _____
DATE: _____

ARCHITECT



Unit 5B, 2nd Floor, Kings Cross Corner
9 Friend Street, Salt River, 7925
Phone: +27 21 552 9505 | +27 87 094 5079
Website: www.miradi.co.za

ARCHITECT SIGNATURE: _____
DATE: _____

PROJECT:
ERF 252, 33 MAIN ROAD, ARNISTON: REPAIR
ALTERATIONS AND UPGRADES.

JOB NO:	202501
FILE NO:	TBA

DRAWING TITLE:

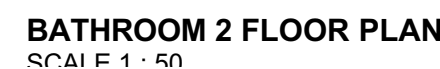
PROPOSED PLAN

DATE FIRST ISSUED: 17-06-2025	DRAWN BY: CM
SCALE: 1:100	CHECKED BY: JM

DOCUMENT STATUS:

FOR APPROVAL

DISCIPLINE: A	DRAWING NO: 100	REVISION RO
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REV.	DESCRIPTION	DATE
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Principal Agent	MIRADI ARCHITECTS
Architects	MIRADI ARCHITECTS
Quantity Surveyors	
Structural/Civil Engineers	
Electrical Engineers	
Mechanical Engineers	
Contractor	

CLIENT:



CLIENT SIGNATURE: _____

DATE: _____

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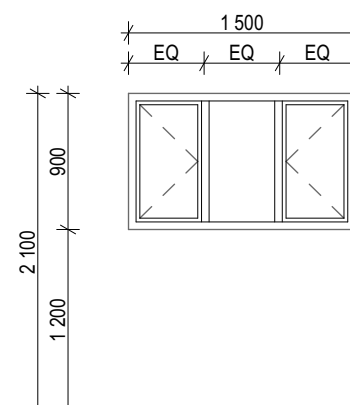
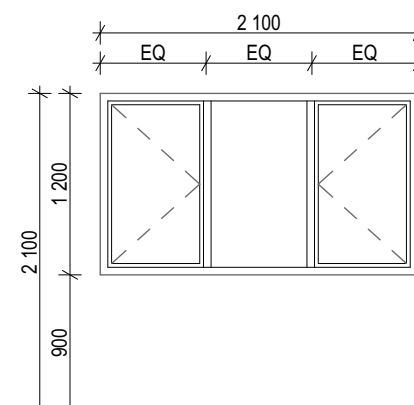
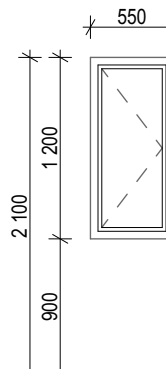
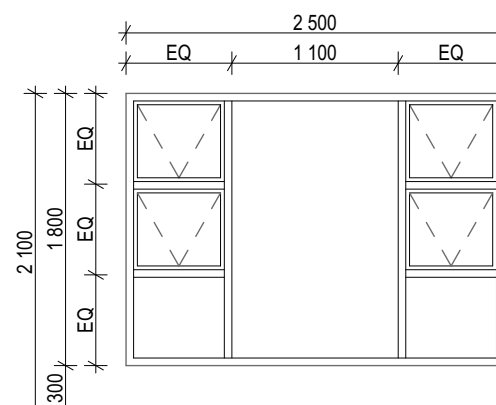
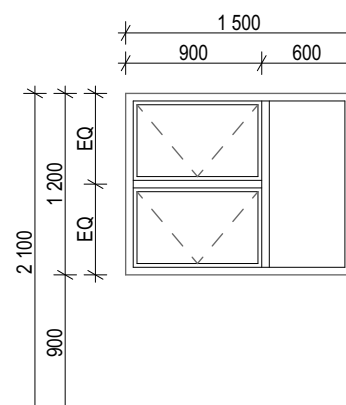
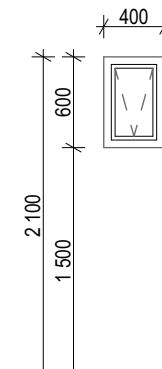
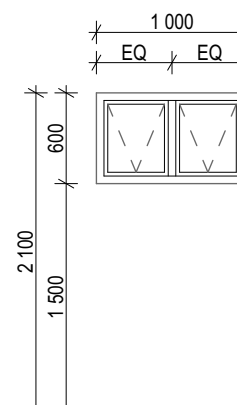
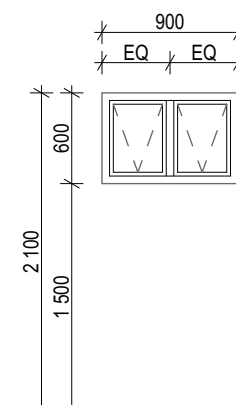
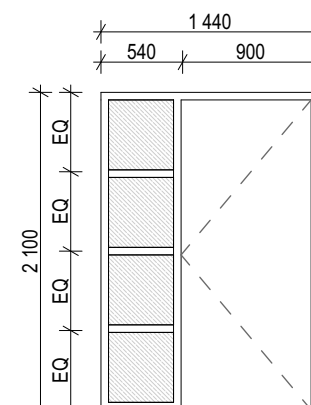
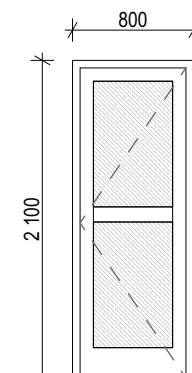
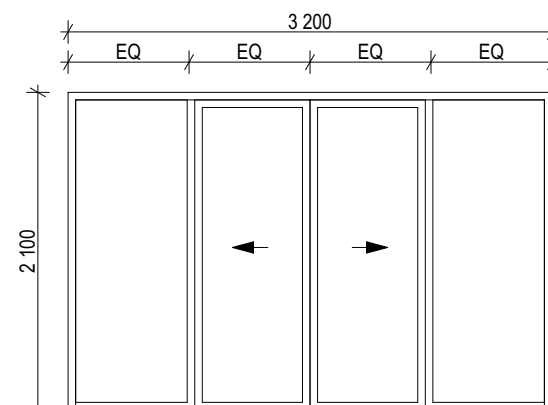
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INTERNAL ELEVATIONS

DATE FIRST ISSUED: 17-06-2025	DRAWN BY: CM
SCALE: 1:50	CHECKED BY: JM

DOCUMENT STATUS:
FOR APPROVAL

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NOTES:

1. ALL WORK TO BE CARRIED OUT IN STRICT ACCORDANCE TO NATIONAL BUILDING REGULATIONS.
2. ALL DISCREPANCIES TO BE REPORTED TO THE ARCHITECT IMMEDIATELY. WORK TO PROCEED ONCE THE PROBLEM HAS BEEN RESOLVED.
3. THE USE OF TRADE NAMES ON THIS DRAWING SIMPLY SERVES TO INDICATE A STANDARD ACCEPTABLE TO THE ARCHITECT/CLIENT, ANY OTHER BRAND MAY BE USED WITH THE PRIOR WRITTEN APPROVAL OF THE ARCHITECT/CLIENT.
4. WORK TO BE FINISHED DIMENSIONS TO BE SHOWN.
5. CHECK ALL DIMENSIONS AND LEVELS ON SITE BEFORE COMMENCING ANY WORK.
6. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH DETAILS, SCHEDULES, DRAINAGE DRAWINGS, INTERNAL ELEVATIONS, ENGINEERS AND OTHER SPECIALISTS' DRAWINGS.

	REVISIONS		
REV.	DESCRIPTION	DATE	BY

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Principal Agent	MIRADI ARCHITECTS
Architects	MIRADI ARCHITECTS
Quantity Surveyors	
Structural/Civil Engineers	
Electrical Engineers	
Mechanical Engineers	
Contractor	

CLIENT:



CLIENT SIGNATURE: _____

DATE _____

ARCHITECT



Unit 5B, 2nd Floor, Kings Cross Corner
9 Friend Street, Salt River, 7925
Phone: +27 21 552 9505 | +27 87 094 5079

Website: www.miradi.co.za

ARCHITECT SIGNATURE:

DATE _____

PROJECT:

ERF 252, 33 MAIN ROAD, ARNISTON: REPAIRS, ALTERATIONS AND UPGRADES.

JOB NO:	202501
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FILE NO:	TBA
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DRAWING TITLE:

WINDOW CHEDULE

DATE FIRST ISSUED: 17-06-2025	DRAWN BY: CM
SCALE: 1:50	CHECKED BY: JM

DOCUMENT STATUS:

FOR APPROVAL

DISCIPLINE:	DRAWING NO:	REVISION:
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A	A220	R0
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NOTES:

1. ALL WORK TO BE CARRIED OUT IN STRICT ACCORDANCE TO NATIONAL BUILDING REGULATIONS.
2. ALL DISCREPANCIES TO BE REPORTED TO THE ARCHITECT IMMEDIATELY. WORK TO PROCEED ONCE THE PROBLEM HAS BEEN RESOLVED.
3. THE USE OF TRADE NAMES ON THIS DRAWING SIMPLY SERVES TO INDICATE A STANDARD ACCEPTABLE TO THE ARCHITECT/CLIENT. ANY OTHER BRAND MAY BE USED WITH THE PRIOR WRITTEN APPROVAL OF THE ARCHITECT/CLIENT.
4. WORK TO BE TO SPECIFIED DIMENSIONS ONLY.
5. CHECK ALL DIMENSIONS AND LEVELS ON SITE BEFORE COMMENCING ANY WORK.
6. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH DETAILS, SCHEDULES, DRAINAGE DRAWINGS, INTERNAL ELEVATIONS, ENGINEERS AND OTHER SPECIALIST'S DRAWINGS.

REVISIONS				
REV.	DESCRIPTION	DATE	BY	

Principal Agent	MIRADI ARCHITECTS
Architects	MIRADI ARCHITECTS
Quantity Surveyors	
Structural/Civil Engineers	
Electrical Engineers	
Mechanical Engineers	
Contractor	

CLIENT:



CLIENT SIGNATURE: _____

DATE _____

ARCHITECT



Unit 5B, 2nd Floor, Kings Cross Corner
9 Friend Street, Salt River, 7925
Phone: +27 21 552 9505 | +27 87 094 5079
Website: www.miradi.co.za

ARCHITECT SIGNATURE:

DATE _____

PROJECT:

ERF 252, 33 MAIN ROAD, ARNISTON: REPAIRS, ALTERATIONS AND UPGRADES.

FILE NO:	TBA
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DRAWING TITLE:

SITE PLAN, SECTION, DOOR & GATE SCHEDULE

DATE FIRST ISSUED: 17-06-2025	DRAWN BY: CM
SCALE: 1:50, 1:200	CHECKED BY: JM

DOCUMENT STATUS:

FOR APPROVAL

DISCIPLINE: A	DRAWING NO: 250	REVISION: R0
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**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 1</u></p> <p><u>BILL NO. 1</u></p> <p><u>PRELIMINARIES</u></p> <p><u>BUILDING AGREEMENT AND PRELIMINARIES</u></p> <p>The JBCC Principal Building Agreement (Edition 6.2 - May 2018) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described</p> <p>The JBCC Principal Building Agreement contract data form an integral part of this agreement</p> <p>The JBCC General Preliminaries (May 2018) published by the Joint Building Contracts Committee for use with the JBCC Principal Building Agreement (Edition 6.2 - May 2018) shall be deemed to be incorporated in these bills of quantities, amended as hereinafter described</p> <p>The contractor is deemed to have referred to the above mentioned documents for the full intent and meaning of each clause</p> <p>The clauses in the above mentioned documents are hereinafter referred to by clause number and heading only</p> <p>Where any item is not relevant to this agreement such item is marked N/A signifying "not applicable"</p> <p>Where standard clauses or alternatives are not entirely applicable to this agreement such amendments, modifications, corrections or supplements as will apply are given under each relevant clause heading and such amendments, modifications, corrections or supplements shall take precedence notwithstanding anything to the contrary contained in the above mentioned documents</p>			
	Carried to Collection		R	
	<p>Section No. 1</p> <p>PRELIMINARIES</p> <p>Bill No. 1</p> <p>PRELIMINARIES & GENERAL</p> <p>REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE</p> <p>BILLS OF QUANTITIES</p>			

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
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PREAMBLES FOR TRADES

The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said General Preambles will be entertained

Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles

The contractor's prices for all items throughout these bills of quantities shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications

**STRUCTURE OF THIS PRELIMINARIES
BILL**

Section A :A recital of the headings of the individual clauses in the aforementioned JBCC Principal Building Agreement

Section B :A recital of the headings of the individual clauses in the aforementioned JBCC General Preliminaries

Section C :Any special clauses to meet the particular circumstances of the project

PRICING OF PRELIMINARIES

Should the contractor select Option A in the contract data for the adjustment of preliminaries, the amounts entered against the relevant items in these preliminaries are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T)

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REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
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R

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

**SECTION A: PRINCIPAL BUILDING
AGREEMENT**

Interpretation (A1-A7)

**Clause 1.0 - Definitions and interpretation
Pricing of bills of quantities**

The contractor is to allow opposite each item for all costs in connection therewith. All prices to include, unless otherwise stated, for all materials, fabrication, conveyance and delivery, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement), patterns, models and templates, plant, temporary works, returning of packaging, duties, taxes (other than Value Added Tax), imposts, establishment charges, overheads, profit and all other obligations arising out of this agreement. Value Added Tax (VAT) is to be separately stated on the summary page of these bills of quantities. Items left unpriced will be deemed to be covered in prices against other items throughout these bills of quantities and no claim for any extras arising out of the contractor's omission to price any item will be entertained.

Prices for all construction equipment, temporary works, services and other items shall include for the supply, maintenance, operating cost and subsequent removal and making good as necessary.

Abbreviated descriptions The items in these bills of quantities utilise abbreviated descriptions. It is the intention that the abbreviated descriptions be fully described when read with the applicable measuring system and the relevant preambles and/or specifications. However, should the full intent and meaning of any description not be clear, the contractor shall, before submission of his tender, call for a written directive from the Principal Agent, failing which it shall be assumed that the contractor has allowed in his pricing for materials and workmanship in terms of international best practice.

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**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
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Legal status of contractor If the contractor constitutes a joint venture, consortium or other unincorporated grouping of two or more persons then: 1. These persons are deemed to be jointly and severally liable to the employer for the performance of this agreement 2. These persons shall notify the employer of their leader who has assigned authority to bind the contractor and each of these persons 3. The contractor shall not alter its composition or legal status without the prior written consent of the employer

1 F:..... V:.....T:..... Item

Clause 2.0 - Law, regulations and notices

2 F:..... V:.....T:..... Item

Clause 3.0 - Offer and acceptance

3 F:..... V:.....T:..... Item

Clause 4.0 - Cession and assignment

4 F:..... V:.....T:..... Item

Clause 5.0 - Documents

5 F:..... V:.....T:..... Item

Clause 6.0 - Employer's agents

6 F:..... V:.....T:..... Item

Clause 7.0 - Design responsibility

7 F:..... V:.....T:..... Item

Insurances and securities (A8-A11)

Clause 8.0 - Works risk

8 F:..... V:.....T:..... Item

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**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
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9	<p><u>Clause 9.0 - Indemnities</u></p> <p>F:..... V:..... T:.....</p>	Item		
10	<p><u>Clause 10.0 - Insurances</u></p> <p>F:..... V:..... T:.....</p>	Item		
	<p><u>Clause 11.0 - Securities</u></p> <p><u>Guarantee for payment</u></p> <p>The Employer shall not provide to the contractor with a guarantee for payment By virtue of the contractor submitting a tender offer, he is deemed to have waived his lien or right of continuing possession of the works [11.10]</p> <p>Sub-clause 11.10 has been amended to read as follows: "The contractor shall waive his lien or right of continuing possession of the works."</p> <p>Clause 11.0 has been amended to include the following new sub-clauses:Sub-clause 11.11 The guarantee provided by the contractor's Guarantor shall have an expiry date (if stated) no less than 3 months after the practical completion date and shall be extended accordingly should the practical completion date be extended. The cost for same shall be included on the contractor's tender price as no claims for additional cost shall be entertained</p> <p>Sub-clause 11.12 The contractor is required to provide the Employer with a variable construction guarantee with twenty-one (21) calendar days of acceptance of the contractorsb tender</p> <p>Sub-clause 11.13 Extension of waiver of lien The contractor shall ensure that a waiver of lien is included in all subcontracts and that the works executed on the site are kept free of all liens and other encumbrances at all times</p>			
11	<p>F:..... V:..... T:.....</p>	Item		
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES & GENERAL REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES</p>		R	

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Execution (A12 - A17)

Clause 12.0 - Obligations of the parties

Sub-clause 12.2.6 has been amended to include the following: The programme for the works must be prepared and issued in Microsoft Project Programming Software The contractor shall include a float of 15 working days within the contract period for project delays such as, but not limited to adverse weather conditions, etc., in the programme. Such provisions shall initially be included at the end of the contract period or proportionally allocate at the end of each section for contracts with sectional completion, and shall be monitored by the contractor and agreed with the Principal Agent as and when such delays takes place and shall be recorded in the programme based on actual stoppages when incurred. Revision of the date for Practical Completion shall only be considered once the 15 working days has been fully utilised

Sub-clause 12.2.10 has been amended to include the following: The contractor shall be required to maintain, in addition to the approved programme, a comprehensive fortnightly bar-chart programme expanded to reflect anticipated daily activities for the ensuing fourteen (14) days

Sub-clause 12.2.18 has been amended to include the following: Office accommodation The contractor shall provide, maintain and remove on practical completion air conditioned office accommodation with suitable tables and chairs for meetings to be held on the site. Such offices shall be kept clean and fit for use at all times [12.2.18] The contractor's site camp shall be equipped with Wi-Fi internet connection which shall be utilised by the contractor's staff, the client and members of professional team

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**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
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	Notice board The contractor shall erect in a position approved by the principal agent, maintain and remove on practical completion a notice board recommended by the South African Institute of Architects and as approved by the Principal Agent listing the names and logos of the Employer, the contractor and the professional consultants. No subcontractor or supplier notice boards may be erected unless permission is granted by the principal agent for such notice boards to be erected [12.2.18]		
12	F:..... V:.....T:..... <u>Clause 13.0 - Setting out</u>	Item	
13	F:..... V:.....T:..... <u>Clause 14.0 - Nominated subcontractors</u>	Item	
14	F:..... V:.....T:..... <u>Clause 15.0 - Selected subcontractors</u>	Item	
15	F:..... V:.....T:..... <u>Clause 16.0 - Direct contractors Attendance on direct contractors In respect of direct contractors the contractor shall:</u> 1. Designate an area for the direct contractor to establish a temporary office and workshop and storage of equipment and materials 2. Allow the use of personnel welfare facilities, where provided 3. Provide water, lighting and single phase electric power to a position within 50m of the place where the direct contract work is to be carried out, other than fuel or power for commissioning of any installation 4. Permit the direct contractor to use erected scaffolding, hoisting facilities, etc provided by the contractor, in common with others having the like right, while it remains erected on the site [16.1]	Item	
	Carried to Collection		R
	Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES & GENERAL REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES		

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
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16 F:..... V:..... T:..... Item

Clause 17.0 - Contract instructions

17 F:..... V:..... T:..... Item

Completion (A18 - A24)

Clause 18.0 - Interim completion

18 F:..... V:..... T:..... Item

Clause 19.0 - Practical completion

Practical CompletionIn respect of practical completion:1.

The following certificates of compliance, as applicable shall be required (excluding others that may be required by the local/national authority, etc.) from the contractor to achieve practical completion1.1

Certificates from the contractor that all aspects of the Construction Regulations of 2014 have been complied with1.2 Certificates from the contractor that the National Building Regulations have been complied with1.3 Certificates of compliance with respect to plumbing and drainage installations1.4

Certificates of compliance with respect to electrical and electronic installations1.5 Certificates of compliance with respect to all glazing1.6 Certificates of compliance with respect to structural and civil engineering1.7 Certificates of compliance with respect to roof installation1.8 Certificates of compliance with respect to mechanical installation1.9 Certificate of compliance and fire clearance certificate from the contractor and fire chief respectively1.10Any other compliance documentation deemed necessary as instructed by the Principal Agent1.11 Three complete sets of approved maintenance and operating manuals together with all workmanship and material warranties and guarantees (to be compiled and issued to the Principal Agent prior to achievement of practical completion for approval) and three complete copies of documents in electronic format2.

In order to achieve practical completion of the works and without deviating from the generality of the term practical completion, the contractor shall, as a minimum comply with the following basic criteria, as applicable. These criteria should not be regarded as comprehensive but as

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**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
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an expansion of the term practical completion 2.1
Electrical installation is to be completed and
fully commissioned permanent power and lighting
inclusive of all telephone and data installations 2.2
Plumbing installation it to be complete,
commissioned permanent water supply and drainage
tested. Pipe work to be pressured tested 2.3
HVAC system installation shall be complete and
fully commissioned (except for final adjustments and
cooling performance recoding / temperature logging),
commissioning reports submitted to the consulting
engineer for review and major commissioning defects
resolved 2.4 All field controllers, network
controllers and network fully commissioned operator
terminal installed, graphics loaded and all monitoring
points operational on the operator terminal.
(Customisation of the BMS time schedules, alarm
routing and using the BMS to detect and report faults on
other services shall be completed prior to works
completion) 2.5 Sprinklers and fire-fighting
equipment completed, commissioned tested and
operational3. Health and Safety file

Clause 19.0 has been amended to include the following
new sub-clauses: Sub-clause 19.2.3 The contractor
shall within five (5) calender days of receipt of the list for
practical completion issue a program indicating dates for
completion for all listed items

Sub-clause 19.2.4 In the event that such inspection
does not result in the work being accepted as Practically
complete then the costs of such inspection and
subsequent inspections shall be for the account of the
contractor, at a rate of Ten Thousand Rand (R10
000.00) per man hour or part thereof, calculated by
multiplying the total of the number of Employerb's
agents and Employerb's staff present at each abortive
practical completion inspection meeting, i.e. Where
practical completion is not achieved, by the time taken
for such an inspection until practical completion is
achieved. In this regard, the Employer reserves the right
to recover such costs in addition to any other remedies it
may have in accordance with Clause 27

19 F:..... V:.....T:.....

Item

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**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
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20	<p><u>Clause 20.0 - Completion in sections</u></p> <p>F:..... V:..... T:.....</p>	Item		
	<p><u>Clause 21.0 - Defects liability period and final completion</u></p> <p>Clause 21.0 has been amended to include the following new sub-clauses: Sub-clause 21.13 In the event that the certificate of Final Completion is not issued due to the contractor's work not being sufficiently complete then the costs of such inspection and subsequent inspections shall be for the account of the contractor, at a rate of Ten Thousand Rand (R10 000.00) per man hour or part thereof, calculated by multiplying the total of the number of Employer's agents and Employer's staff present at each abortive final completion inspection meeting, i.e. Where final completion is not achieved in terms of 21.6, by the time taken for such an inspection until final completion is achieved. In this regard, the Employer reserves the right to recover such costs in accordance with Clause 27</p> <p>Sub-clause 21.14 Notwithstanding [21.2], where the contractor fails to rectify/attend to outstanding works or defects on the list for completion, list for final completion or latent defects that appear before the issue of certificate of final completion and where the contractor remains in default, the Employer may engage others to carry out said outstanding works or defects and recover expense and/or loss incurred [27]</p>			
21	<p>F:..... V:..... T:.....</p>	Item		
	<p><u>Clause 22.0 - Latent defects liability period</u></p>			
22	<p>F:..... V:..... T:.....</p>	Item		
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES & GENERAL REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES</p>		R	

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Clause 23.0 - Revision of the date for practical completion Sub-clause 23.1 has been amended to include the following new sub-clause: Sub-clause 23.1.7 Delayed possession of site [12.1.5]

Sub-clause 23.2 has been amended to omit the following sub-clause: Sub-clause 23.2.1 Delayed possession of the site [12.1.5]

Clause 23.0 has been amended to include the following new sub-clauses: Sub-clause 23.9 Notwithstanding, sub-clause(s) 23.1 to 23.8 a revision to the practical completion date will only be considered for work on the critical path of the contractual programme or the revised contractual programme, as applicable Any revised programme, in order to be considered as a contractual programme, must be approved by the Principal Agent in writing, prior to it becoming effective

23 F:..... V:.....T:.....

Item

Clause 24.0 - Penalty for late or non-completion

24 F:..... V:.....T:.....

Item

Payment (A25 - A27)

Clause 25.0 - Payment

Sub-clause 25.1 has been amended to include the following: The contractor shall submit the following information on a monthly basis to the Principal Agent and Quantity Surveyor in order to assist with the processing of the payment certificate and the preparation of the empowerment report: B7 A detailed breakdown of the work done. (The work breakdown must be referenced strictly in accordance with the Tender Document or the detailed Priced Bills of Quantities, as applicable.) B7 A detailed breakdown of all variation order costs claimed (With specific reference to work done by the Principal Building Contractor) in the certificate concerned, together with copies of the relevant contract instructions B7 A detailed breakdown of the work done by each sub-contractor. (The work breakdown must be referenced strictly in accordance with the Tender Document or the

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detailed Priced Bills of Quantities, as applicable.) B7

A detailed breakdown of all variation order costs claimed in the certificate concerned for sub-contract work, together with copies of the relevant contract instructions B7 A written declaration authenticated by the contracts manager confirming, that the payment claims for work done by sub-contractors has been audited and amended by the contractor's quantity surveyor, prior to it being forwarded to the Principal Agent and Quantity Surveyor for evaluation B7 If applicable, a combined empowerment report which shall include reports on contractor and sub-contractor compliance, in accordance with the format required by the empowerment manager. In this regard, the combined, contractor and sub-contractor empowerment report must contain an affidavit certifying that all information contained the report as being true and correct and must be authenticated by the contractor and a commissioner of oaths. The combined reports must also state that the contractor has checked and verified that all information submitted by sub-contractors is true and correct B7 Tax invoice: the contractor shall attach a tax invoice as prescribed in the Value Added Tax Legislation to each payment certificate when presenting the certificate to the employer for payment. Such tax invoices shall correctly reflect the prescribed information and the amounts shall match precisely the amounts included in the payment certificate. Should the contractor fail to comply with these requirements, the date of presentation of the certificate shall be deemed to be delayed at the contractor's default until such time as the requirements are met Should anyone or any combination of the above requirements not be complied with, the Principal Agent reserves the right to exclude any amounts that may have been due for certification from the payment certificate concerned and/ or delay the issue of payment certificates and/ or, revise the contractual payment date, as applicable, until such time compliance is achieved

Sub-clause 25.4 has been amended to include the following: Where the Employer agrees to pay for materials on/off site, the contractor shall be required to provide the Principal Agent with the necessary forms for cession of ownership for such materials, with the necessary delivery notes and invoices (where applicable)

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	Sub-clause 25.10 has been amended as follows: Replace the words bfourteen (14) calendar daysb with bforty (40) calendar daysb			
25	F:..... V:.....T:..... <u>Clause 26.0 - Adjustment of the contract value and final account</u> Sub-clause 26.1 has been amended to include the following: Contract Instructions Instructions given by the Employer's agents in relation to the contract works, shall, irrespective of the format or wording of such instructions, not indicate that the work involved represents an extra or variation and shall not be deemed to be acceptance of any prices or quotations contained in any correspondence It is recorded that only the quantity surveyor where appointed by the employer for quantity surveying services is empowered, to rule whether any instructions issued constitutes an extra or not and, to resolve cost aspects of any matter pertaining to this contract	Item		
26	F:..... V:.....T:..... <u>Clause 27.0 - Recovery of expense and/or loss</u>	Item		
27	F:..... V:.....T:..... <u>Suspension and termination (A28 - A29)</u> <u>Clause 28.0 - Suspension by the contractor</u>	Item		
28	F:..... V:.....T:..... <u>Clause 29.0 - Termination</u>	Item		
29	F:..... V:.....T:..... <u>Dispute resolution (A30)</u> <u>Clause 30.0 - Dispute resolution</u>	Item		
30	F:..... V:.....T:.....	Item		
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31	<p><u>Agreement</u> The required information of the parties and the amount of the contract sum shall be inserted in the agreement for signature of the agreement by the parties</p> <p>F:..... V:.....T:.....</p>	Item		
32	<p><u>Contract data</u></p> <p>Tenderer's selections</p> <p>Before submission of his Tender the contractor is to complete the Tenderer's selections in the contract data</p> <p>F:..... V:.....T:.....</p>	Item		
33	<p><u>SECTION B: GENERAL PRELIMINARIES</u></p> <p><u>Definitions and interpretation (B1)</u></p> <p><u>Clause 1.1 - Definitions</u></p> <p>F:..... V:.....T:.....</p>	Item		
34	<p><u>Clause 1.2 - Interpretation</u></p> <p>F:..... V:.....T:.....</p> <p><u>Documents (B2)</u></p>	Item		
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES & GENERAL REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES</p>		R	

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Clause 2.1 - Checking of documents

Sub-clause 2.1 refers to the following which is to be added after the words written directive:
: The items in these Bills of Quantities are to be read and priced in conjunction with, and the descriptions regarded as amplified by the General Preambles for Trades 2017 as recommended and published by the Association of South African Quantity Surveyors, 2017 edition, and no claim arising from brevity of description of items fully described in the said General Preambles for Trades 2017 and Supplementary documentation will be entertained. Notwithstanding the issue of the tender drawings, it will remain the responsibility of the Tenderer to study all available drawings at the offices of the Principal Agent during normal working hours in order to acquaint himself with all the cost implications of the design, programming, phasing, etc

35 F:..... V:..... T:..... Item

Clause 2.2 - Provisional bills of quantities

36 F:..... V:..... T:..... Item

Clause 2.3 - Availability of construction information

37 F:..... V:..... T:..... Item

Clause 2.4 - Ordering of materials and goods

38 F:..... V:..... T:..... Item

Previous work and adjoining properties (B3)

Clause 3.1 - Previous work - dimensional accuracy

39 F:..... V:..... T:..... Item

Clause 3.2 - Previous work - defects

40 F:..... V:..... T:..... Item

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	<u>Clause 3.3 - Inspection of adjoining properties</u>			
41	F:..... V:.....T:.....	Item		
	<u>The site (B4)</u>			
	<u>Clause 4.1 - Handover of site in stages</u>			
42	F:..... V:.....T:.....	Item		
	<u>Clause 4.2 - Enclosure of the works</u>			
43	F:..... V:.....T:.....	Item		
	<u>Clause 4.3 - Geotechnical and other investigations</u>			
44	F:..... V:.....T:.....	Item		
	<u>Clause 4.4 - Encroachments</u>			
45	F:..... V:.....T:.....	Item		
	<u>Clause 4.5 - Existing premises occupied</u>			
46	F:..... V:.....T:.....	Item		
	<u>Clause 4.6 - Services - known The contractor shall consult the Principal Agent before disconnecting any services. The contractor shall take special care not to damage any existing services that could have been foreseen or what have been shown to him by the Principal Agent. Damage to this services shall be for the contractor's account</u>			
47	F:..... V:.....T:.....	Item		
	<u>Management of contract (B5)</u>			
	<u>Clause 5.1 - Management of the works</u>			
48	F:..... V:.....T:.....	Item		

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49	<p><u>Clause 5.2 - Progress meetings</u></p> <p>F:..... V:.....T:.....</p>	Item		
50	<p><u>Clause 5.3 - Technical meetings</u></p> <p>F:..... V:.....T:.....</p>	Item		
51	<p><u>Clause 5 has been amended to include the following new sub-clause: Sub-clause 5.4 - Daily records The contractor shall keep daily records of people and equipment employed as well as a site diary in respect of work performed on the site At the end of each week the contractor shall provide the Principal Agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all sub-contractors on the works each day At the end of each week the contractor shall provide the Principal Agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools, currently used on the works</u></p> <p>F:..... V:.....T:.....</p> <p><u>Samples, shop drawings and manufacturer's instructions (B6)</u></p>	Item		
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES & GENERAL REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES</p>		R	

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Clause 6.1 - Samples of materials All material samples and colour samples must be submitted to the Principal Agent for selections and approval of the colour, shape and finish including mechanical, electrical and plumbing equipment that will be visible. The samples shall be provided in A4 size unless otherwise agreed. General samples shall be provided for Principal Agent/Employer to choose from each type of finish The Principal Agent/Employer may reject all or part of the submitted samples and request for additional selections if the first submission are not acceptable All samples must be kept in a sample room to be provided by the contractor for reference Sample Board: The contractor shall provide a board(s) of approved samples and make available one set at the site (sample room) and one for the Employer

52 F:..... V:.....T:.....

Item

Clause 6.2 - Workmanship samples Sub-clause 6.2 has been amended to include the following: The contractor shall provide a mock-up of all finished surfaces prior to commencement of the relevant work. The contractor shall only be permitted to commence with the relevant scope of work, on approval of the mock-up by the Principal Agent or its designated representative

53 F:..... V:.....T:.....

Item

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Clause 6.3 - Shop drawings

Sub-clause 6.3 refers to the following is to be added after the words 'and/or approval' Shop drawings shall be submitted to the principal agents for approval at least ten (10) working days prior to the date on which such approval is required in order to comply with the programme. All submissions shall be prepared in accordance with the contract drawings and specifications and/or any Principal Agents instructions and any deviation shall be specifically highlighted in writing, with a detailed explanation of the reason for such deviation, together with any cost and/or time implications. Delays in approval of shop drawings due to non compliance with drawings, specifications and/or Principal Agent's instruction shall not constitute grounds for any claims for delay, extension of time and the like. The contractor shall be responsible for ensuring that all dimensions affecting shop drawings conform to the dimensions of built work. Should the contractor, sub-contractor, supplier or manufacturer be of the opinion that corrections to shop drawings made by the Principal Agent, constitute a change to the scope of work, then he shall immediately advise the Principal Agent in writing of this, together with the cost and/or programme implications thereof, in order to obtain the Principal Agent's directive.

Sub-clause 6.3.1 has been amended as follows:
Replace the words two (2) copies
with four (4) copies
under bullet point number 6

54 F:..... V:.....T:..... Item

Clause 6.4 - Compliance with manufacturer's instructions

55 F:..... V:.....T:..... Item

Deposits and fees (B7)

Clause 7.1 - Deposits and fees

56 F:..... V:.....T:..... Item

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64	<u>Clause 11.1 - Protection of the works</u> F:..... V:.....T:.....	Item		
65	<u>Clause 11.2 - Protection/isolation of existing works and works occupied in sections</u> F:..... V:.....T:.....	Item		
66	<u>Clause 11.3 - Security of the works</u> F:..... V:.....T:.....	Item		
67	<u>Clause 11.4 - Notice before covering work</u> F:..... V:.....T:.....	Item		
68	<u>Clause 11.5 - Disturbance</u> F:..... V:.....T:.....	Item		
69	<u>Clause 11.6 - Environmental disturbance</u> F:..... V:.....T:.....	Item		
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES & GENERAL REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES</p>		R	

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**Clause 11.7 - Works cleaning and clearing
Disposal of Waste Material, etc. The contractor
shall provide appropriate equipment (such as
chutes, if required), etc., for the rapid removal
of waste material, etc., at points as agreed with
the Principal Agent in writing. In addition, the
contractor is to provide for adequate waste
skips for the disposal of such material to be
located in positions as advised by the Principal
Agent in writing The contractor shall ensure
that there is a maximum of a twenty four (24)
hour turn-around time for the removal of all full
waste skips from site. The contractor further
acknowledges that the Employer reserves the
right to appoint others to remove waste
material and waste skips from site, should the
contractor fail to meet the twenty four (24) hour
turn-around time and that such costs shall be
deducted from amounts due to the contractor**

70 F:..... V:.....T:.....

Item

Clause 11.8 - Vermin

71 F:..... V:.....T:.....

Item

Clause 11.9 - Overhand work

72 F:..... V:.....T:.....

Item

Clause 11.10 - Tenant installations

73 F:..... V:.....T:.....

Item

Clause 11.11 - Advertising

74 F:..... V:.....T:.....

Item

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SECTION C: SPECIFIC PRELIMINARIES

- | | | | | |
|----|--|------|--|--|
| 75 | <p>Health and Safety Without limiting the generality of the provisions of clause 2.0, the contractor's attention is drawn to the provisions of the Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 as amended. It is specifically stated that the employer shall prepare a documented health and safety specification for the works (annexed to these bills of quantities) and that the Employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the provisions of the aforementioned health and safety specification [2.1] The contractor shall: 1. Comply with the health and safety specification for the works 2. Prepare and agree with the health and safety consultant the health and safety plan for the works 3. Cooperate with the health and safety consultant in all respects 4. Manage the compliance of all subcontractors with the regulations and with the health and safety plan and specification 5. Conform to the conditions contained in the Employer's health and safety specification 6. The contractor shall price section D of the preliminaries and allow opposite each item for all costs associated in connection with the health and safety specification F:..... V:.....T:.....</p> | Item | | |
| 76 | <p>As Built Drawings The contractor shall accurately record the details of the electrical, mechanical, security, fire installation, water reticulation details, construction breaks, etc., on drawings and issue same to the Principal Agent and the relevant agent for record purposes F:..... V:.....T:.....</p> | Item | | |
| 77 | <p>Personal Protective EquipmentThe contractor shall provide and keep on site an adequate supply of clean safety helmets and reflective vests for the use of all professional personnel and all authorised visitors F:..... V:.....T:.....</p> | Item | | |

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78	<p>Site Access for and Management of Direct Contracts The contractor shall allow direct contractors appointed by the Employer to access the site to execute work which does not form part of the Principal Building Agreement, concurrently with that of its (the principal building contractor), work. In this regard, the contractor shall provide any necessary assistance (e.g. ensuring placement of material orders, monitoring the manufacturing process, monitoring of raw materials availability, programming of works, etc.), to the principal agent in respect of management of any direct contracts. In this regard, is shall be deemed that all allowances have been made in the contract amount to ensure compliance with this clause F:..... V:.....T:.....</p>	Item			
79	<p>Precontract Engagement Contractors shall be engaged prior to issuance of site possession to facilitate all necessary precontract work which shall include the construction work permit application, procurement of specialist sub-contractors, finalisation of contract and any design coordination between the contractor and the professional team. Contractors will be required to make the necessary allowances for such work during this period as no claims for additional preliminaries will be entertained F:..... V:.....T:.....</p>	Item			
<u>Contract Provisions</u>					
80	<p>Tender Data Schedule F:..... V:.....T:.....</p>	Item			
81	<p>General Conditions of Contract F:..... V:.....T:.....</p>	Item			
82	<p>Special Conditions of Contract F:..... V:.....T:.....</p>	Item			
83	<p>Contract Data F:..... V:.....T:.....</p>	Item			

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Category : Fixed R..... Category
: Value R..... Category : Time
R.....

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Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.2</u></p> <p><u>BILL NO. 1</u></p> <p><u>ALTERATIONS</u></p> <p>The Tenderer is referred to the General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>REMOVAL OF EXISTING WORK:</u></p> <p>NATURE OF WORK: Tenderers are advised to visit the site and to satisfy themselves as to the nature and extent of the work to be done and provide in their tenders any items not specifically mentioned which they may deem necessary for the proper completion of the work.</p> <p>DIMENSIONS: The Contractor is advised to take all dimensions affecting the existing buildings on the site, as he will be held solely responsible for all new work being of the correct size.</p> <p>PIPES, ETC: Special care is to be taken not to interfere unnecessarily with any supply pipes or other piping that may be met with and found necessary to disconnect or cut, are to be effectively stopped off and any new connections that may be necessary are to be made with proper fittings and to the satisfaction of the Principal Agent to whom due notice must be given of any alterations to the existing services.</p> <p>PROTECTION: In taking down and removing existing work the utmost care is to be observed to avoid any structural or other damage to the remaining portions of the buildings. The Contractor must also protect all work not removed such as walls, floors, doors, windows or other joinery, loose and fixed fittings and electrical appliances, etc. from damage during the progress of the work and provide all necessary materials for doing so. The Contractor will be held solely responsible for any damage to persons or property and for the safety of the</p>			
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	<p>Section No. 2</p> <p>ALTERATIONS</p> <p>Bill No. 1</p> <p>ALTERATIONS</p> <p>REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE</p> <p>BILLS OF QUANTITIES</p>			

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structure throughout the whole of this Contract and must make good at his own expense any damage that may occur.

OLD USABLE MATERIALS from the alterations/demolitions are to become the property of the Client. Old materials for re-use are to be carefully removed, stored and protected from injury including making good any damaged or defective parts as required before fixing. Old reusable materials are to be handed over to the Client are to be carefully removed and neatly stacked on site where directed. The remainder of the old materials and all rubbish to be immediately carted away and the site left clean and unencumbered. The Contractor should allow for removing of rubble from site on daily basis, failing which the client might stop the construction until the site has been cleaned. None of the old stock bricks from the pulling down are to be re-used for any new work. Materials to be handed over to the Client Representative who should be kept safely and shall sign for all materials received.

MATERIALS, ETC: The materials to be used and work to be done to be similar in all respects to that described for new work insofar as they concur. All work in making good is to be properly jointed to the existing.

Unless otherwise stated, all usable material from the demolitions should be kept safely and handed over to the Client Representative who shall sign for all material received.

Breaking up and removing mass concrete

1	85mm Thick concrete pavers	m2	148
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Breaking up and removing brick wall

2	230mm thick brick wall	m2	46
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Taking out and removing ironmongery

3	Locksets, etc.	No	13
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Taking out and removing doors, windows, etc

4	Timber single door size 813 x 2125mm high complete with frame	No	13
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5	Timber window complete with frame not exceeding 2.5m2	No	3
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6	Timber window complete with frame exceeding 2.5m2 and not exceeding 5m2	No	3
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7	Timber window complete with frame exceeding 5m2 and not exceeding 10m2	No	3
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8	Metal window complete with frame not exceeding 2.5m2	No	2
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9	Metal window complete with frame exceeding 2.5m2 and not exceeding 5m2	No	2
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10	Metal window complete with frame exceeding 5m2 and not exceeding 10m2	No	2
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11	Metal pedestrian gate with frame not exceeding 2.5m2	No	2
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Taking out and removing low lying boundary wall

12	Remove low lying vibracrete pre-cast fence	m	63
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Taking down and removing roofs, floors, panelling, ceilings, partitions, etc

13	Carefully remove existing roofing tiles and safely keep in store for the roofing tiles to be re-used	m2	281
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14	Gypsum plasterboard ceilings including cornices, timber bandering, etc	m2	235
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Carried to Collection

R

Section No. 2
ALTERATIONS
Bill No. 1
ALTERATIONS
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

	<u>Taking down asbestos containing gutters and fascia boards and safely dispose of to registered asbestos disposal dump site include obtaining asbestos disposal certificate</u>				
15	Fibre cement fascias, barge boards, gutters, downpipes, water tanks etc.	m	116		
	<u>Taking out and removing piping, sanitary fittings, etc including disconnecting piping from fittings and preparing pipes for new fittings (e/m) making good floor and wall finishes (making good good and wall finishes elsewhere)</u>				
16	Wash hand basin with brackets, taps, etc. and all necessary piping, etc.	No	3		
17	Vitreous china WC pan with cistern	No	3		
18	Double bowl Sink	No	1		
19	Remove bath tub	No	2		
20	Toilet roll holder	No	3		
21	Basin mixer	No	3		
22	Water heater (geyser)	No	1		
23	Sink mixer	No	1		
24	Bath mixer	No	2		
	<u>Taking down and removing ceramic floor coverings, carpeting, etc including preparing screed for new epoxy</u>				
25	Ceramic floor covering including preparing screed for new ceramic tile (e/m)	m2	24		
Carried to Collection				R	
Section No. 2 ALTERATIONS Bill No. 1 ALTERATIONS REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES					

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
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<u>Taking down and removing ceramic wall tiles, carpeting, etc.</u>					
26	Ceramic tile wall covering including preparing screed for new ceramic tile (e/m)	m2	18		
<u>Taking down and removing parquet floor tiles, carpeting, etc.</u>					
27	Parquet floors including preparing screed for new epoxy (e/m)	m2	20		
<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc</u>					
28	15mm Thick cement screeds prepare surfaces for new seeds (e/m)	m2	21		
<u>Taking down and removing sundry joinery work</u>					
29	Timber skirtings from brickwork	m	103		
30	Bedroom cupboard size 1600 x 600 x210mm high	No	3		
31	Timber Kitchen cupboard size 4500 x 600 x 900mm high	No	1		
32	Timber Kitchen cupboard size 3900 x 600 x 900mm high	No	1		
33	Kitchen cupboard size 1600 x 600 x210mm high	No	1		
34	Kitchen cupboard size 900 x 300 x660mm high	No	2		
<u>Taking out unused fire place</u>					
35	Remove unused fire place	No	1		
<u>Taking out and removing glass and mirrors</u>					
36	Mirror 450 x 700mm high from wall	No	2		
Carried to Collection				R	
Section No. 2 ALTERATIONS Bill No. 1 ALTERATIONS REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES					

REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES

**OPENINGS THROUGH EXISTING WALLS
ETC**

**Breaking out for and forming openings through
brick walls for new windows, including
prestressed concrete lintels, making good
cement plaster on both sides and into reveals
and with sloping fibre-cement sills on outside
and flat fibre-cement sills on inside (new
windows and making good paintwork
elsewhere)**

37	Opening for window 1000 x 1200m high through one brick wall	No	2
38	Opening for window 2300 x 1200m high through one brick wall	No	1
39	Opening for door 3200 x 2100m high through one brick wall	No	1

MAKING GOOD OF FINISHES ETC

Making good internal cement plaster

40	Walls in patches	m2	5
41	Repair plaster cracks on internal walls by hacking and removing plaster and applying bonding liquid before applying new plaster (plaster included)	m2	5

Carried to Collection

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ALTERATIONS
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
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**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.3</u></p> <p><u>BILL NO.1</u></p> <p><u>FOUNDATIONS</u></p> <p><u>EARTHWORKS</u></p> <p><u>PREAMBLES</u></p> <p>The Tenderer is referred to the General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Nature of ground</u></p> <p>A soils investigation has been carried out on the site and the report is available from the principal agent. The soils report indicates that the ground varies between silty sand, reworked soil of mixed origin and residual shale, all of which will be deemed as "earth". All very hard unweathered shale, ironstone, etc, the removal of which necessitates the use of explosives or heavy duty hydraulic percussion hammers (peckers), will be classified as "hard rock"</p> <p>"Soft rock" shall mean hard material, the removal of which warrants the use of pneumatic tools and includes hard shale, ferricite, compact oukclip and material of similar hardness</p> <p>"Earth" shall mean all ground other than that classified as "hard rock" or "soft rock" and shall include made-up ground and any loose stones, pebbles or pieces of concrete not exceeding 0,03m³ in volume</p>			
	Carried to Collection		R	
	<p>Section No. 3</p> <p>BUILDING</p> <p>Bill No. 1</p> <p>FOUNDATIONS</p> <p>REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE</p> <p>BILLS OF QUANTITIES</p>			

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Subterranean water

No subterranean water is expected

The water table is expected to vary between approximately 3m and 10m below natural ground level.
The removal of subterranean water is given separately

Carting away of excavated material

Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site

Filling and layer work materials

References such as "G1", "G2", etc and "C1", "C2", etc in descriptions of filling and layer work materials refer to corresponding references in the document "Guidelines for Road Construction Materials. TRH 14 : 1985" compiled by the Committee of State Road Authorities and the properties set out therein for each kind shall be applicable to the respective materials described hereinafter

Samples of potential fill material obtained from excavations, trench excavations, etc are to be submitted to and approved by the engineer prior the re-use thereof as "filling"

All filling obtained from a commercial source should comply to minimum G5 standard

Should any material be found unsuitable and the use thereof be disapproved, such material shall be disposed and approved material must be sourced and imported from an approved commercial source

Filling in general shall be compacted to the prescribed percentage Mod AASHTO density

Carried to Collection

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Section No. 3

BUILDING

Bill No. 1

FOUNDATIONS

REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Cleaning-up of disturbed areas

The contractor will be liable to, upon completion, rehabilitate all those areas of the site used for spoiling, mixing of concrete or any other disturbances caused to the site by the contractor by grading the area to follow the adjacent ground contours and afterwards compacted to 80% Mod AASHTO density, all to the full satisfaction of the principal agent

SITE CLEARANCE

- | | | | |
|---|--|----|----|
| 1 | Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc | m2 | 21 |
| 2 | Stripping average 150mm thick layer of top soil and stockpiling on site | m2 | 21 |

BULK EXCAVATIONS, FILLING, ETC

Open face excavation in earth over sloping sit

- | | | | |
|---|---------------------------------------|----|---|
| 3 | Open face excavation of poor material | m3 | 6 |
|---|---------------------------------------|----|---|

EXCAVATIONS, ETC

Excavation in earth not exceeding 2m deep

- | | | | |
|---|----------|----|---|
| 4 | Trenches | m3 | 6 |
|---|----------|----|---|

Extra over trench and hole excavations in earth for excavation in

- | | | | |
|---|-----------|----|---|
| 5 | Soft rock | m3 | 1 |
| 6 | Hard rock | m3 | 1 |

Risk of collapse of excavations

- | | | | |
|---|--|----|----|
| 7 | Sides of trench and hole excavations not exceeding 1,5m deep | m2 | 18 |
|---|--|----|----|

Carried to Collection

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Section No. 3
BUILDING
Bill No. 1
FOUNDATIONS
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
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<u>Extra over all excavations for carting away</u>					
8	Surplus material from excavations and/or stockpiles on site to a dumping site to be located by the contractor	m3	9		
<u>Keeping excavations free of water</u>					
9	Keeping excavations free of all water other than subterranean water		Item		
<u>FILLING, ETC</u>					
<u>Selected earth filling obtained from the excavations and/or prescribed stock piles on site, including haulage approximately 100m from the perimeter of the excavations or stock piles, compacted to 95% Mod. AASHTO density</u>					
10	Under floors, steps, pavings, etc	m3	6		
11	Backfilling to trenches, holes, etc	m3	3		
<u>Filling of natural gravel material (G5) supplied by the contractor, compacted to 95% Mod AASHTO density</u>					
12	Under floors, steps, pavings etc.	m3	1		
<u>Filling of coarse river sand supplied by the contractor, consolidated</u>					
13	Under floors etc	m3	1		
<u>Compaction of ground surfaces</u>					
14	Compaction of natural or excavated ground surface under floors, etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	21		
<u>WEED KILLERS, INSECTICIDES, ETC</u>					
Carried to Collection				R	
Section No. 3 BUILDING Bill No. 1 FOUNDATIONS REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES					

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

<u>Soil insecticide in accordance with SANS 5859</u>			
15	Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	21
16	To bottoms and sides of trenches etc	m2	18
<u>TESTS</u>			
<u>Prescribed tests to determine degree of compaction or other properties of ground or filling</u>			
17	"Modified AASHTO Density" test	No	1
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>15MPa/20mm concrete</u>			
18	Surface blinding under footings and bases	m3	1
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>25MPa/19mm concrete</u>			
19	Strip footings	m3	1
<u>TEST CUBES</u>			
<u>Concrete strength test cubes</u>			
20	Making and testing a set of three 150 x 150 x 150mm concrete strength test cubes	Sets	1
<u>REINFORCEMENT</u>			
<u>Mild steel reinforcement to structural concrete work</u>			
21	8mm Diameter bars	t	0.20
Carried to Collection			R
Section No. 3 BUILDING Bill No. 1 FOUNDATIONS REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES			

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

<u>High tensile steel reinforcement to structural concrete work</u>							
22	12mm Diameter bars	t	0.50				
<u>BRICKWORK IN FOUNDATIONS</u>							
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u>							
23	One brick walls	m2	13				
<u>BRICKWORK SUNDRIES</u>							
<u>2,5mm Brickwork reinforcement</u>							
24	150mm Wide reinforcement built in horizontally	m	42				
<u>WATER STOPS, SEALING STRIPS, JOINT SEALANTS. ETC</u>							
<u>Two part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc</u>							
25	10x20mm in expansion joints in walls including raking out expansion joint filler as necessary	m	2				
Carried to Collection							
Section No. 3 BUILDING Bill No. 1 FOUNDATIONS REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES						R	

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**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.3</u></p> <p><u>BILL NO.2</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>PREAMBLES</u></p> <p>The Tenderer is referred to the General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Concrete general</u></p> <p>Surface beds cast in panels shall be cast in panels not exceeding 20m2</p> <p>All reinforced concrete is to be compacted with a mechanical vibrator</p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests for approval. The testing shall be undertaken by an approved independent firm or institution nominated by the contractor (test cubes are measured separately)</p>			
	Carried to Collection			
	<p>Section No. 3</p> <p>BUILDING</p> <p>Bill No. 2</p> <p>CONCRETE, FORMWORK & REINFORCEMENT (PROV</p> <p>REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE</p> <p>BILLS OF QUANTITIES</p>			
			R	

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Formwork

Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use

The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself

Formwork to soffits of solid slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described

Formwork to soffits of slabs, beams, etc shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described

Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"

Fabric reinforcement

Standard welded steel fabric reinforcement shall be as included in Table 1 of SANS 1024 and shall have 300mm wide laps

REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES

25MPa/19mm concrete

1	Surface beds cast in panels on waterproofing	m3	2	
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Carried to Collection

R

Section No. 3
BUILDING
Bill No. 2
CONCRETE, FORMWORK & REINFORCEMENT (PROV
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

<u>REINFORCED CONCRETE IN BEAMS</u>					
2	Beams	m3	1		
<u>TEST CUBES</u>					
<u>Concrete strength test cubes</u>					
3	Making and testing a set of three 150 x 150 x 150mm concrete strength test cubes	Sets	2		
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>					
<u>Rough formwork to sides</u>					
4	Edges of slabs not exceeding 300mm high or wide	m	9		
5	To sides and soffit of beams	m2	21		
<u>REINFORCEMENT</u>					
<u>Mesh reinforcement</u>					
6	Type 193 fabric reinforcement in concrete surface beds, etc	m2	21		
<u>Mild steel reinforcement</u>					
7	R8	kg	522		
<u>High tensile reinforcement</u>					
8	Y12	t	1		
Carried to Collection				R	
Section No. 3 BUILDING Bill No. 2 CONCRETE, FORMWORK & REINFORCEMENT (PROV REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES					

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**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 3</u></p> <p><u>MASONRY</u></p> <p><u>PREAMBLES</u></p> <p>The Tenderer is referred to the General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p><u>Pointing</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc</p> <p><u>Prices</u></p> <p>Prices for brickwork shall include for cutting , fitting and building around structural steel members</p>			
	Carried to Collection		R	
	Section No. 3 BUILDING Bill No. 3 MASONRY REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES			

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

SAMPLES

Samples of all masonry building units, except those for walls described as "load bearing", shall consist of a minimum of 6 units. Samples of building units to be used in walls described as "load bearing" shall consist of 30 units from every 30 000 units delivered to site

BRICKWORK

Loadbearing brickwork of NFX bricks (14 MPa nominal compressive strength) in class I mortar

SUPERSTRUCTURE

1	One brick walls	m2	30	
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SUNDRIES

2.5mm brick reinforcement

2	Brick reinforcement 150mm wide built into brick walls with sufficient laps at end joints, angles and intersections (measured net)	m	120	
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Forming toothings

3	Toothings to 230mm wide brick walls	m	36	
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Carried to Collection

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Section No. 3
BUILDING
Bill No. 3
MASONRY
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

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**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 4</u></p> <p><u>ROOF COVERINGS ETC</u></p> <p><u>PREAMBLES</u></p> <p>The Tenderer is referred to the General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Profiled metal sheeting and accessories</u></p> <p>Roof sheets shall be fixed to every purlin by means of patented KL700 clips and Class 3 fasteners. Flashings shall be fixed by way of patented S10 brackets (sliding brackets where roof sheets are 30m or longer), in strict accordance with the manufacturer's specifications by an approved sub-contractor. A written and approved five-year guarantee of water-tightness shall be issued after approval of the roofs by the manufacturer</p> <p>Prices to include for all cutting and waste and relevant fixing material, unless otherwise described</p> <p>Sheet metal flashings shall have minimum 100mm laps and linings to valleys, etc minimum 225mm laps</p> <p>All rates for flashings, trimmings, etc., to include for forming drips and closed ends to troughs of sheet steel roof covering where applicable</p> <p><u>PROFILED METAL SHEETING AND ACCESSORIES</u></p>			
	Carried to Collection			
	<p>Section No. 3</p> <p>BUILDING</p> <p>Bill No. 4</p> <p>ROOF COVERINGS, ETC</p> <p>REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE</p> <p>BILLS OF QUANTITIES</p>			

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REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES

0,5mm "Global Roofing Solutions Klip-Tite" Z275 (Light Industrial) galvanised troughed sheet steel complying with ISQ 550 (3T) (A653) with a "Chromadek" finish to one side and standard backing coat, Pebble Grey to other, fixed to timber purlins or rails

1	Roof covering with pitch not exceeding 25 degrees	m2	15
2	Flashing 600mm girth	m	7

ROOFING TILES

Take from store existing roofing tiles and nailed with non-corrosive nails and/or fixed with suitable non-corrosive clips as required to on existing sawn softwood battens (note that battens to be removed; polythene sheeting installed and then battens reinstalled and including an underlay of 250 micron polyethelene sheeting in accordance with SANS 952 Type E fixed to rafters under battens with minimum laps of 150mm

3	Roof covering with pitch not exceeding 25 degrees	m2	281
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Sundries

4	Take from store and install ridge capping	Item	
5	Take from store and install hip capping	Item	
6	Take from store and install valley capping	Item	

ROOF AND WALL INSULATION

Carried to Collection

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Section No. 3
BUILDING
Bill No. 4
ROOF COVERINGS, ETC
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

"Bubble foil" aluminium foil bonded insulation

7	Insulation laid taut over purlins (at approximately 750mm centres) and fixed concurrent with roof covering	m2	281	
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Carried to Collection

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Section No. 3
BUILDING
Bill No. 4
ROOF COVERINGS, ETC
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

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**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>PREABMLES</u></p> <p>The Tenderer is referred to the General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Particle board:</u></p> <p>Particle board shall comply with the following specifications:</p> <p>a) SABS 1300 Particle board: exterior and flooring type</p> <p>b) SABS 1301 Particle board: interior type</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p>			
	Carried to Collection			
	<p>Section No. 3</p> <p>BUILDING</p> <p>Bill No. 5</p> <p>CARPENTRY AND JOINERY</p> <p>REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE</p> <p>BILLS OF QUANTITIES</p>			

R

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Decorative laminate finish:

Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish

Allow for the preparation and submission of the following documents in respect of all buildings

- | | | | |
|---|---|------|--|
| 1 | Detailed shop drawings indicating truss sizes, truss positions, bracings, details, etc. to be submitted for approval prior the commencement of any fabrication | Item | |
| 2 | Erection guarantee certificate after the whole completed roof truss structure have been inspected, all defective work have been taken out and made good, etc. to the full satisfaction of the Principal Agent | Item | |

The following in pre-fabricated roof trusses manufactured from "CCA Tanalith" pre-treated wrought softwood

Pressure treated structural timber

- | | | | |
|---|--|---|----|
| 3 | 50x75mm Purlins | m | 27 |
| 4 | 50x150mm Common rafters in lengths exceeding 3.9m and not exceeding 6.6m | m | 23 |
| 5 | 50x230mm planed laminated pine beam bolted in lengths exceeding 6.6m | m | 9 |

SUNDRIES

- | | | | |
|---|---|----|---|
| 6 | Form holes into brick wall size 50x150mm high | No | 9 |
|---|---|----|---|

"Everite FC77" pressed fibre-cement

- | | | | |
|---|--|---|-----|
| 7 | Everite medium density plain ungrooved Nutec fascia boards (Code: 040-904), size 225 x 10mm, fixed to timber rafters twice screwed with 12 x 40mm countersunk brass screws with Chromaprep fascia jointing plate between boards and at board ends. | m | 104 |
|---|--|---|-----|

FRAMES ETC

Carried to Collection

R

Section No. 3
BUILDING
Bill No. 5
CARPENTRY AND JOINERY
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Wrought meranti

8	150 x 45mm Rebated and housed linings, plugged	m	67	
---	--	---	----	--

TIMBER DOORS, WINDOWS, ETC

DOORS ETC

9	Solid FLB door size 813 x2068mm high with flush back panels internal quality (D03, D04,D05, D06, D09, D11)	No	6	
10	Solid FLB door size 813 x2068mm high with flush back panels external quality (D13, D14 & D15)	No	3	
11	Solid FLB door size 800 x2068mm high with flush back panels internal quality (D07 & D08)	No	2	
12	Solid FLB door size 886 x2068mm high with flush back panels internal quality(D10 & D12)	No	2	

Carried to Collection

R

Section No. 3
BUILDING
Bill No. 5
CARPENTRY AND JOINERY
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

[illegible]

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 6</u></p> <p><u>CEILINGS , ETC.</u></p> <p>The Tenderer is referred to the General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Descriptions:</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted" the bolts have been given elsewhere</p> <p><u>CEILINGS ETC</u></p> <p><u>Insulation</u></p> <p>1 115mm Thick Aerolite pink insulation blanket to manufacturer's specification, laid on ceiling.</p> <p>m2 235</p> <p><u>NAILED UP CEILINGS</u></p> <p><u>6.4mm "Rhino" gypsum plasterboard with H-type pressed steel jointing strips</u></p> <p>2 Ceilings to existing 38 x 38mm sawn softwood bandering at 450mm centres</p> <p>m2 235</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 3 BUILDING Bill No. 6 CEILINGS, ETC REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES</p>			
			R	

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

**6mm "Everite Nutec" fibre-cement boards
with H-profile primed steel jointing cover strips
over joints**

3	Ceilings including 38 x 38mm brandering at 90deg to trusses at maximum centres of 400mm by 32mm long galvanised nails.	m2	49
---	--	----	----

"Rhino" gypsum plasterboard cornices

4	75mm Coved cornices.	m	168
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5	Extra over ceiling for opening for 610 x 610mm trap door of 50 x 76mm wrought softwood rebated framing with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	2
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Carried to Collection

R

Section No. 3
BUILDING
Bill No. 6
CEILINGS, ETC
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

[illegible]

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 7</u></p> <p><u>IRONMONGERY</u></p> <p><u>PREAMBLES</u></p> <p>The Tenderer is referred to the General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Finishes to ironmongery</u></p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded</p> <p><u>LOCKS</u></p> <p>1 2261-76SS 4-lever upright mortice lock No 13</p> <p>2 Cast zinc door stop, floor mounted as per Union CZ8731SC or equal approved (DA) No 13</p> <p>3 Solid hardened steel padlock with a 5 pin keying system with a 55mm body size and supplied keyed different. No 3</p> <p><u>DOOR HINGES</u></p> <p>4 100mm brass hinges fixed to timber door frame No 26</p> <p><u>BATHROOM FITTINGS</u></p>			
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 3 BUILDING Bill No. 7 IRONMONGERY REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES</p>		R	

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

"Franke"

5	"FRANKE Rodan RODX672 0.8mm thick satin finished" or equal approved toilet roll holder plugged to wall.	No	3
6	"FRANKE Rodan 0.8mm thick satin finished" or equal approved soap dish plugged to wall.	No	3
7	"FRANKE Rodan 30mm diameter x 700mm long satin finished" or equal approved towel rail plugged to wall.	No	3

ROOM FITTINGS:

**Heavy Duty Aluminium King Treack-Double
Curtain Rail**

8	1700mm long curtain rails	No	2
9	2300mm long curtain rails	No	1
10	750mm long curtain rails	No	3
11	2700mm long curtain rails	No	1
12	600mm long curtain rails	No	2
13	1200mm long curtain rails	No	2
14	1100mm long curtain rails	No	1

Carried to Collection

R

Section No. 3
BUILDING
Bill No. 7
IRONMONGERY
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

[illegible]

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 8</u></p> <p><u>METALWORK</u></p> <p><u>PREAMBLES</u></p> <p>The Tenderer is referred to the General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>GALVANISED STEEL GATES, SCREENS, ETC</u></p> <p><u>Welded screens and gates to brick walls</u></p> <p>1 Gate size 1000 x 1800mm high as per Architect's drawings</p> <p><u>Aluminium doors, windows, etc</u></p> <p><u>Doors and windows shall comply with AAAMSA design criteria Glazing shall comply with SAGGA regulations. Glass shall be type ? laminated performance glass as shown on the window schedules/drawings appended to these bills of quantities (as described in the headings to window descriptions). Glass thickness shall comply with SAGGA regulations irrespective of thicknesses shown on the schedules/drawings</u></p> <p><u>Doors and windows shall be supplied with protective tape and plastic and shall be removed only once surrounding trades have been completed For purpose made windows and doors, refer to drawings annexed to (issued separately with?) these bills of quantities</u></p>	No	3	
	Carried to Collection		R	
	<p>Section No. 3</p> <p>BUILDING</p> <p>Bill No. 8</p> <p>METALWORK</p> <p>REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE</p> <p>BILLS OF QUANTITIES</p>			

REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES

The following certificates shall be provided prior to commencement of site work:
1A copy of the relevant AAAMSA Performance Test Certificate from the manufacturer/contractor supplying the architectural aluminium product.
2 A Certificate of Conformance confirming that anodising or powder coating has been processed in accordance with SANS 999 and SANS 1796 respectively

3A powder guarantee of not less than 15 years issued by the powder manufacturer. The specific conditions contained in this guarantee shall form part of the powder coating process.
A Certificate of Conformance confirming that glazing has been installed in accordance with SANS 0137, ensuring that safety glazing materials have been installed in the mandatory areas and that each individual pane of safety glazing materials has been permanently marked
5A warranty from the manufacturer of the laminated safety glass and/or hermetically sealed glazing units guaranteeing the products against delamination and colour degradation for a period of not less than five years

Powder coated casement windows with external aluminium complete with subframes, ironmongery, 6.38mm laminated safety glass, sealing, etc and fixing to brickwork or concrete as per Architect's drawings

2	Purpose made window size 400 x 600mm high (W11)	No	1
3	Purpose made window size 550 x 1200mm high (W01,W02 & W09)	No	3
4	Purpose made window size 900 x 600mm high (W14)	No	1
5	Purpose made window size 1000 x 600mm high (W12 & W13)	No	2
6	Purpose made window size 1500 x 900mm high (W15)	No	1

Carried to Collection

R

Section No. 3
BUILDING
Bill No. 8
METALWORK
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

7	Purpose made window size 1500 x 1200mm high (W05, W06, W07, W08 & W10)	No	5
8	Purpose made window size 2100 x 1200mm high (W03)	No	1
9	Purpose made window size 2500 x 1800mm high (W04)	No	1
10	Purpose made door size 800 x 2100mm high (D02)	No	1
11	Purpose made door size 1400 x 2100mm high (D01)	No	1
12	Purpose made door size 3200 x 2100mm high (D03)	No	1

GALVANIZED STEEL POSTS, ETC

STEEL POSTS

13	100x100 x 12mm thick x 2400mm steel posts	No	3
14	300x300x12mm base plates	No	3
15	100 x 50mm U brackets	No	3
16	12 x100mm high tensile steel bolts	m	18

Carried to Collection

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Section No. 3
BUILDING
Bill No. 8
METALWORK
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

[illegible]

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 9</u></p> <p><u>PLASTERING</u></p> <p><u>PREAMBLES</u></p> <p>The Tenderer is referred to the General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>Plastering of concrete soffits</u></p> <p>The plasterer should make sure that the surface to be plastered does not deviate from the required plane by more than 10mm. All high areas should be removed by hacking or cutting. Fill low areas by applying undercoats of plaster not exceeding 15mm in thickness, apply one coat plaster to surface, leave to stiffen, strike off with a striker board, and wood float to an even surface and to a thickness of 10 - 15mm thick.</p> <p><u>SCREEDS</u></p> <p><u>Screeds on concrete to receive tiles</u></p>			
1	15mm Thick on floors and landings	m2	21	
	<p><u>INTERNAL PLASTER</u></p> <p><u>Cement plaster steel trowelled, on brickwork</u></p>			
2	On walls	m2	36	
	<p><u>Cement plaster steel trowelled, on concrete</u></p>			
3	On narrow widths	m2	1	
	<p style="text-align: center;">Carried to Collection</p>			
	<p>Section No. 3</p> <p>BUILDING</p> <p>Bill No. 9</p> <p>PLASTERING</p> <p>REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE</p> <p>BILLS OF QUANTITIES</p>			

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

4	On ceilings and beams	m2	284		
<p><u>EXTERNAL PLASTER</u></p> <p><u>Cement plaster steel trowelled, on brickwork</u></p>					
5	On walls	m2	24		
<p style="text-align: center;">Carried to Collection</p>					
<p>Section No. 3 BUILDING Bill No. 9 PLASTERING REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES</p>				R	

[illegible]

Item No		Quantity	Rate	Amount															
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 10</u></p> <p><u>TILING</u></p> <p><u>PREABMLES</u></p> <p>The Tenderer is referred to the General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>WALL TILING</u></p> <p><u>300 x 300x7mm Thick matt finished light grey slip resistant cermic tile with 4mm wide grey grouting with a strength of 15-20 Mpa flush with tiles. Tiles to be applied to an appropriately prepared surface.</u></p> <table border="0"> <tr> <td>1</td><td>On walls</td><td>m2</td><td>92</td><td></td></tr> <tr> <td>2</td><td>On narrow widths, etc.</td><td>m2</td><td>1</td><td></td></tr> </table> <p><u>FLOOR TILING</u></p> <p><u>300 x 300x7mm Thick matt finished light grey slip resistant cermic tile with 4mm wide grey grouting with a strength of 15-20 Mpa flush with tiles. Tiles to be applied to an appropriately prepared surface.</u></p> <table border="0"> <tr> <td>3</td><td>On floors and landings</td><td>m2</td><td>16</td><td></td></tr> </table> <p><u>EPOXY SCREED</u></p>	1	On walls	m2	92		2	On narrow widths, etc.	m2	1		3	On floors and landings	m2	16				
1	On walls	m2	92																
2	On narrow widths, etc.	m2	1																
3	On floors and landings	m2	16																
	<p style="text-align: center;">Carried to Collection</p>		R																
	<p>Section No. 3</p> <p>BUILDING</p> <p>Bill No. 10</p> <p>TILING</p> <p>REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE</p> <p>BILLS OF QUANTITIES</p>																		

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Heavy duty flowcrete epoxy floor finish

4	4mm thick epoxy floor finish including self levelling screed	m2	235
5	100mm high coved epoxy skirting	m	155

Carried to Collection

R

Section No. 3

BUILDING

Bill No. 10

TILING

REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

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**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 11</u></p> <p><u>PLUMBING AND DRAINAGE</u></p> <p><u>PREAMBLES</u></p> <p>The Tenderer is referred to the General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>RAINWATER DISPOSAL</u></p> <p><u>0,6mm Galvanised sheet iron with "Chromadek" finish on one side</u></p> <p>1 75 x 100 x 0.6mm thick steel box gutter fixed 500mm centers with weather protect self-leveling screws with washers seals. m 104</p> <p>2 Extra over eaves gutter for angle No 12</p> <p>3 Extra over eaves gutter for outlet for 100mm downpipe No 40</p> <p>4 Extra over rainwater pipe for shoe No 13</p> <p>5 76 x 76 x 0.6mm thick galvanised steel square downpipe fixed to wall with straps at 1500mm centers using nail plugs m 40</p> <p><u>SANITARY FITTINGS</u></p> <div style="text-align: right; margin-top: 20px;"> Carried to Collection </div> <div style="margin-top: 20px;"> Section No. 3 BUILDING Bill No. 11 PLUMBING AND DRAINAGE (PROVISIONAL) REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES </div>			
			R	

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

"Vaal"

- | | | | |
|---|--|----|---|
| 6 | Vaal Sanitaryware Hibiscus vitreous china wall hung basin colour White (Code: 702303WH) with Classic floor mounted pedestal (Code: 715000WH), overall size 510 x 405mm with one taphole including integrated overflow and chainstay hole(basin waste text)(basin waste code prefix)(basin waste code)(basin waste code suffix), bolted to wall with 2No.10mm bolts (Code: 8448Z000) and sealed with silicone sealant where basin meets wall. | No | 3 |
| 7 | Vaal Sanitaryware Pearl WC suite comprising pan with P trap, matching 9 litre cistern complete with valveless syphonic fitting, ball valve and matching flush pipe and heavy duty white double flab seat, fixing in position and connecting complete. | No | 3 |

"Franke"

- | | | | |
|---|---|----|---|
| 8 | Franke Neptune Model NEX611 Grade 304 18/10 polished stainless steel double bowl inset sink with left hand drainer (Code: 310075), overall size 860 x 510mm with one 360 x 420 x 200mm deep bowl, fitted onto cupboard (elsewhere specified) including 90mm waste fitting with overflow and PVC trap (trap elsewhere specified) | No | 1 |
|---|---|----|---|

"Libra"

- | | | | |
|---|--|----|---|
| 9 | Libra Medical rectangular acrylic bath with two chromium plated easy grip handles in colour White, overall size 1400 x 695 x 395mm high supported on 38 x 38mm timber battens fixed to adjacent walls and bed in 1:5 cement mortar on a brick bed, three bricks wide for full length of bath with the void between the bath and enclosing wall filled with 1:10 uncompacted cement mix and point all round with mildew resistant silicone between bath and tiles, all in accordance with the manufacturer's recommendations. | No | 3 |
|---|--|----|---|

WASTE UNIONS ETC

Carried to Collection

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Section No. 3
BUILDING
Bill No. 11
PLUMBING AND DRAINAGE (PROVISIONAL)
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

	<u>"Cobra Watertech" or similar approved</u>				
10	40mm 316 CP bath or sink waste union	No	5		
	<u>TRAPS ETC</u>				
	<u>"Marley"</u>				
11	40mm Reseal bath trap with overflow outlet and pipe	No	3		
12	40 x 50mm Deep seal combination "P" or "S" trap	No	2		
	<u>"Cobra Watertech"</u>				
13	"Cobra Ref. 365/40" CP bottle trap	No	4		
	<u>TAPS, VALVES, ETC</u>				
	<u>"Cobra Watertech"</u>				
14	"Cobra Carina (Ref.294CA) basin mixer.	No	3		
15	Cobra Ref. 166/041 wall type "Star" sink mixer with overarm swivel outlet	No	1		
	<u>"Walker Crossweller (Pty) Ltd" taps</u>				
16	WALCRO 150 BNH - 15mm, DZR brass, 'built in' bath mixer with 'no hold open' anti-vandalism feature complete with chrome plated wall cover.	No	3		
	<u>SANITARY PLUMBING</u>				
	<u>uPVC pipes</u>				
17	50mm Pipes	m	20		
18	50mm Pipes chased into brick walls	m	20		
19	50mm Pipes laid in and including trenches not exceeding 1m deep below surface beds	m	5		
	Carried to Collection			R	
	Section No. 3				
	BUILDING				
	Bill No. 11				
	PLUMBING AND DRAINAGE (PROVISIONAL)				
	REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE				
	BILLS OF QUANTITIES				

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

<u>Extra over uPVC pipes for fittings</u>			
20	50mm BSP adaptor	No	11
21	50mm Reducer	No	8
22	50mm Bend	No	8
<u>Sundries</u>			
23	Testing waste pipe system		Item
<u>WATER SUPPLIES</u>			
<u>Class 0 copper pipes</u>			
24	15mm Pipes	m	51
<u>Extra over class 0 copper pipes for capillary fittings</u>			
25	15mm Fittings	No	51
<u>WATER TANK</u>			
26	Supply and install 5000 litres Jojo water tank complete with concrete platform, associated earthworks and associated plumbing works including connecting to the water supply system		Item
<u>Sundries</u>			
27	Testing water pipe system		Item
<u>FIRE APPLIANCES ETC</u>			
<u>'Chubb'</u>			
28	9kg Dry chemical powder fire extinguisher, including standard hard wood backing plugged and backing finished with one coat dark stain and two coats clear suede polyurethane varnish	No	1
Carried to Collection			R
Section No. 3 BUILDING Bill No. 11 PLUMBING AND DRAINAGE (PROVISIONAL) REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES			

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

BUILDER'S WORK

29 Allow for builder's work in association with making good
to plaster after chasing walls to new pipes

Item

Carried to Collection

R

Section No. 3
BUILDING
Bill No. 11
PLUMBING AND DRAINAGE (PROVISIONAL)
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

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REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 13</u></p> <p><u>MECHANICAL INSTALLATION</u></p> <p><u>PREABMLES</u></p> <p>The Tenderer is referred to the General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>WET SERVICES</u></p> <p><u>The installation shall be carried out so as to conceal the drainage pipes where possible. Supply, install, test and commission all the Hot, Cold and Sanitary Drainage pipes installation to conform to SANS 10252 and SANS 10400.</u></p> <p><u>VALSIR/GEBERIT pipe or similar approved HDPE soil, waste, and ventilating pipes with plain ended pipes and fittings including ring seal and welded connections all as per the manufacturer's specifications and include all expansion couplings as per manufacturers recommendation. HDPE pipes for above ground and underground use including couplers, and support brackets in the running length</u></p> <p><u>Class "0" hard drawn capillary type copper tubing, Straight couplers(equal) wether copper to copper or copper to iron are deemed to be running joints and therefore shall be included in the rates for pipes. Include Craft type or equal approved brown pipe wrapping for pipes in walls</u></p> <p><u>PLUMBING / DRAINAGE</u></p>			
	Carried to Collection		R	
	<p>Section No. 3</p> <p>BUILDING</p> <p>Bill No. 12</p> <p>MECHANICAL INSTALLATION</p> <p>REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE</p> <p>BILLS OF QUANTITIES</p>			

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

[illegible]

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Hot Water

13	150L Class B energy efficient combined solar/electrical geyser complete with pipes, element and valves connection and all accessories	No	1	
14	Supply & Installation of 5.2 KW Heat Capacity Heat Pump Heater and circulation pump with all the fittings, Single Phase 1.2KW Power input 230/1Ph/50, 4.5 COP	No	1	
15	Circulation pumps, 5 cubic meters per hour at 18m head	No	1	
16	Allow for pipe fittings, change switch, stainers and brakets			SUM

WATER RETICULATION

Copper pipes

17	15mm Class 0 Copper Pipe	m	36	
18	22mm Class 0 Copper Pipe	m	24	
19	28mm Class 0 Copper Pipe	m	48	
20	35mm Class 0 Copper Pipe	m	51	

Copper pipes complete with insulation

21	15mm Class 0 Copper Pipe	m	36	
22	22mm Class 0 Copper Pipe	m	24	
23	28mm Class 0 Copper Pipe	m	48	
24	35mm Class 0 Copper Pipe	m	51	

Pipe fittings

25	35mm equal tee	No	21	
26	28mm equal tee	No	21	
27	22mm equal tee	No	15	

Carried to Collection

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Section No. 3
BUILDING
Bill No. 12
MECHANICAL INSTALLATION
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

28	22mm - 15mm reducer	No	5		
29	28mm - 15mm reducer	No	8		
30	28mm - 22mm reducer	No	6		
31	35mm - 15mm reducer	No	8		
32	35mm - 15mm reducer	No	7		
33	35mm - 28mm reducer	No	8		
34	35mm - 32mm reducer	No	9		
35	65mm - 35mm reducer	No	7		
36	15mm bend	No	12		
37	22mm bend	No	4		
38	28mm bend	No	8		
39	35mm bend	No	7		
40	22 mm Ball Cock Valve h/w accessories	No	2		
41	35 mm Ball Cock Valve h/w accessories	No	2		
42	35 mm Non Return Valve h/w accessories	No	2		
43	15/22/28/35mm Strainer, Water Meters, Solder Couplings, brackets/hangers			SUM	
<u>SUNDRIES</u>					
44	Allow for Marking and labelling of all shut off valves		Item		1 500.00
45	Allow for Colour coding of Hot water, Cold water pipes.		Item		
46	Workshop drawings by Plumbing and drainage contractor		Item		
Carried to Collection				R	
Section No. 3 BUILDING Bill No. 12 MECHANICAL INSTALLATION REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES					

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

TESTING & COMMISSIONING

47 Testing And Commissioning

Item

48 Sterilizing of pipes

Item

49 Water Analysis SANS241

Item

BUILDER'S WORK

50 Allow for builder's work in association with making good
to plaster after chasing walls to new pipes

Item

Carried to Collection

R

Section No. 3

BUILDING

Bill No. 12

MECHANICAL INSTALLATION

REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE

BILLS OF QUANTITIES

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**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

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**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 15</u></p> <p><u>PAINTWORK</u></p> <p><u>PREABMLES</u></p> <p>The Tenderer is referred to the General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>PREPARATORY WORK TO EXISTING WORK</u></p> <p><u>Previously painted plastered surfaces</u></p> <p>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p> <p><u>Previously painted metal surfaces</u></p> <p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p> <p><u>Previously painted wood surfaces</u></p> <p>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p> <p><u>PAINTWORK ETC TO NEW WORK</u></p> <p><u>ON PLASTER BOARD</u></p>			
	Carried to Collection		R	
	<p>Section No. 3 BUILDING Bill No. 14 PAINTWORK REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES</p>			

REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES

1	<p><u>Prepare surfaces and remove all loose material. One coat primer and two coats superior quality acrylic PVA paint</u></p> <p>Ceilings and cornices</p>	m2	235	
	<p><u>ON FIBRE-CEMENT</u></p>			
2	<p><u>Plascon Polvin Super Acrylic to interior new fibre cement. Surface to be dry, sound and clean, with a moisture content, measured with a Doser Hygrometer (or equivalent), of BD 2 scale - 8% or less. Prime with one coat Plascon Plaster Primer (UC 56) with an overcoating time of 16 hours and finish with two coats Polvin Super Acrylic (EPL) with 1 hour drying time between coats, for a maintenance cycle of 5 years in a C1 - inland environment.</u></p> <p>On ceilings and cornices</p>	m2	49	
3	<p><u>Plascon Sure Coat Gloss Enamel to exterior new fibre cement. Surface to be dry, sound and clean, with a moisture content, measured with a Doser Hygrometer (or equivalent), of BD 2 scale - 8% or less. Prime with one coat Plascon Plaster Primer (UC 56) with an overcoating time of 16 hours and finish with two coats Sure Coat Gloss Enamel (SGE) with 16 hours drying time between coats, for a maintenance cycle of 2 years in a C1 - inland environment.</u></p> <p>On fascias and barge boards</p>	m2	48	
	<p><u>PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK</u></p> <p><u>ON FLOATED PLASTER</u></p>			
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 3 BUILDING Bill No. 14 PAINTWORK REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES</p>			<p style="text-align: center;">R</p>

REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES

4	<p><u>Clean down, prepare and apply one coat alkali resistant plaster primer, one coat pure acrylic paint thinned with 20% water and one coat interior quality pure acrylic (with teflon) paint on:</u></p> <p>On internal walls</p>	m2	340	
	<p><u>Clean down, prepare and apply Plascon Professional Superior Matt to exterior previously painted cement plaster.</u></p> <p><u>Surface to be assessed and the appropriate surface preparation clauses selected for remedial procedure. Prime with one coat Professional Plaster Primer (PP700) with an overcoating time of 16 hours and finish with two coats Professional Superior Matt (PEM 950) with 2 hours drying time between coats, for a maintenance cycle of 7 years in a C1 - inland environment.</u></p> <ul style="list-style-type: none"> • <u>Environment : C1 - inland</u> • <u>Topcoat : Professional Superior Matt</u> • <u>Number of coats of topcoat : two coats</u> • <u>Overcoating time for topcoat : 2,00 hour</u> • <u>Primer/Base coat : Professional Plaster Primer</u> • <u>Overcoating time for primer/base coat : 16,00 hour</u> • <u>Specification document : RD107t.</u> 			
5	On external walls	m2	312	
	<p><u>ON CONCRETE TILES</u></p>			
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 3 BUILDING Bill No. 14 PAINTWORK REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES</p>			R

REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES

6	<p><u>Plascon Nuroof Acrylic roof paint to existing exterior concrete tiles. Scrub entire area with sugar soap solution to remove chalkiness and surface contaminants. Rinse thoroughly with tap water and allow to dry. Sand glossy materials to provide a key. Remove dust. Ensure surfaces are clean, dry and sound. Apply Plascon Galvanised Iron Primer (GIP 1) to bare and repaired areas. Allow 16 hours to dry. Finish with two coats Nuroof Acrylic Roof Paint (TRP) with 1 hour drying time between coats, for a maintenance cycle of 7 years in a C1 - inland environment.</u></p> <p>On concrete tiles</p>	m2	281	
7	<p><u>ON WOOD</u></p> <p><u>Plascon Woodcare Clear Varnish to existing solvent based coated exterior wood. Remove loose and peeling paint by scraper or hand sanding. Feather edges and dust off. Spot prime bare areas with Wood Varnish (thinned 20% with Mineral Turpentine). Ensure surfaces are clean, dry and sound. To determine the moisture content, use a Doser Hygrometer scale A1 - A5 (or equivalent) depending on generic wood type. Measurements should be <14% before painting. Sand wood to a smooth finish with 150 grit paper in direction of grain. Dust off. Finish with two coats Woodcare Clear Varnish (CVE 5) with 16 hours drying time between coats, for a maintenance cycle of 2 years in a C1 - inland environment.</u></p> <p>On door frames</p>	m2	18	
				<p style="text-align: center;">Carried to Collection</p> <p>R</p>
<p>Section No. 3 BUILDING Bill No. 14 PAINTWORK REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES</p>				

REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES

8	<p><u>Sand down to a smooth finish, seal knots with "Plascon Woodcare Knot Seal (PK2)", prime with "Plascon Wood Primer (UC2)", and apply two finishing coats "Plascon Super Universal Enamel" paint</u></p> <p>On doors</p>	m2	49		
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 3 BUILDING Bill No. 14 PAINTWORK REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES</p>			R	

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**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

[illegible]

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 4</u></p> <p><u>BILL NO. 1</u></p> <p><u>PAVING, WALKWAYS AND CARPORTS</u> <u>(PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>The Tenderer is referred to the General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>The Contractor is referred to the previous section(s) for supplementary preambles and full descriptions of materials, items, work, etc. which shall be regarded to be equally applicable for work described in this section, unless specifically otherwise described</p> <p><u>Precast concrete paving</u></p> <p>Paving is to be laid in accordance with SABS 1200 MJ, SABS 1058 and the Concrete Masonry Association's specifications</p> <p>Paving is to be laid to herringbone pattern on and including 25mm (thickness after final compaction) clean river sand (preparation of ground or filling elsewhere)</p> <p>Clean sand is to be swept into joints between roadstones</p>			
	Carried to Collection			
	<p>Section No. 4</p> <p>EXTERNAL WORKS</p> <p>Bill No. 1</p> <p>PAVING AND WALKWAYS</p> <p>REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE</p> <p>BILLS OF QUANTITIES</p>			
			R	

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Structural steelwork

All structural steelwork shall comply with SANS 2001-CS1 or SANS 10162 and SANS 14713 as applicable. Structural fasteners shall comply with SANS 10094

Structural steelwork shall be cleaned and prepared by wire brushing in accordance with SANS 10064 and all surfaces shall be primed as specified with a minimum dry film thickness of 30 micrometres before leaving the workshop. Upon delivery to the site and again after erection all bared surfaces shall be made good with similar primer

The contractor shall be responsible for the preparation of all shop detail drawings

Descriptions

No allowance has been made in the mass of steel for rolling margins, rivets, additional materials in welding, decorative or protective treatment nor constructional aids

Descriptions of bolts shall be deemed to include nuts and washers

Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork and concrete

Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and embedding in concrete

PAVING, PARKING, ETC

Site clearance

1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc and trees not exceeding 200mm girth	m2	156	
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Carried to Collection

R

Section No. 4
EXTERNAL WORKS
Bill No. 1
PAVING AND WALKWAYS
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

<u>Digging up topsoil</u>					
2	Digging up topsoil to an average depth of 100mm and preserving for later use or cart away from site, as per instruction from the engineer	m2	156		
<u>Open face excavation in earth over sloping site</u>					
3	Open face excavation to form platforms under parking areas etc and depositing excavated material over site, including haulage not exceeding 800m from perimeter of excavations	m3	44		
<u>Extra over bulk excavations in earth for excavation in</u>					
4	Soft rock	m3	1		
5	Hard rock	m3	1		
<u>Extra over all excavations for carting away</u>					
6	Surplus material from excavations on site to a dumping site to be located by the contractor	m3	44		
<u>Selected earth filling obtained from the excavations and/or prescribed stock piles on site</u>					
7	G7 gravel-soil material under parking areas etc, compacted to 93% Mod AASHTO density	m3	22		
<u>Filling supplied by the contractor under parking areas, roadways, etc</u>					
8	G5 gravel-soil material under parking areas etc, compacted to 93% Mod AASHTO density	m3	22		
9	Weedkiller (active ingredients metalaclor 102,8 g/l, terbitilasien 248,6 g/l and atrasiem 248,6 g/l mixed in the proportion of 100 ml weedkiller to 100 l water and applied at a rate of 10 l/m on cleared ground.	m2	156		
10	Provision of weed killing certificate		Item		
Carried to Collection				R	
Section No. 4 EXTERNAL WORKS Bill No. 1 PAVING AND WALKWAYS REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES					

REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES

	<u>"Technicrete Double Zig-Zag" pre-cast concrete interlocking paving (25MPa minimum compressive strength) including cutting and filling in edge restraints against kerbs, edge beams, buildings, etc with approved cemented filling compound, rolling to lock-up condition, etc</u>				
11	80mm thick 25MPa concrete paving blocks in accordance with SANS thick sand layer with joints filled with sand, compacted with the vibrator	m2	156		
	<u>Precast concrete finished smooth on exposed surfaces, including bedding, jointing and pointing</u>				
12	180 x 280mm High kerbs (SANS 927 fig 7) semi-mountable kerb with 150 x 150 x 300mm unreinforced concrete haunching at back of each joint, including excavation, backfilling, etc	m	41		
Carried to Collection					
Section No. 4 EXTERNAL WORKS Bill No. 1 PAVING AND WALKWAYS REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES					R

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**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 4</u></p> <p><u>BILL NO. 2</u></p> <p><u>FENCING, SCREENS, ETC (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>The Tenderer is referred to the General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fencing</u></p> <p>Fencing to be done by a company with ISO 9001 accreditation</p> <p><u>Gates</u></p> <p>Gates shall be of type, size and material as specified and shall be fixed to gate posts unless otherwise described</p> <p>All gates shall be hot dipped galvanised</p> <p><u>CLEARVIEW FENCE</u></p> <p><u>SITE CLEARANCE</u></p>			
1	<p>Digging up and removing rubbish, debris, vegetation, hedges, shrubs,bush and trees not exceeding 200mm girth, etc.</p>	m2	15	
	<p><u>EXCAVATIONS ETC.</u></p> <p><u>Excavations in earth not exceeding 2m deep</u></p>			
2	<p>Holes</p>	m3	15	
	<p>Carried to Collection</p>			
	<p>Section No. 4</p> <p>EXTERNAL WORKS</p> <p>Bill No. 2</p> <p>FENCING AND SCREENS, ETC</p> <p>REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE</p> <p>BILLS OF QUANTITIES</p>			

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

<u>Extra over trench and and hole excavation in earth for excavation</u>			
3	Soft rock	m3	1
4	Hard rock	m3	1
<u>Extra over all excavation for carting away</u>			
5	Surplus material from excavations on site to a dumping site to be located by the contractor	m3	1
<u>Risk of collapse of excavations</u>			
6	Sides of trench and hole excavations not exceeding 1,5m deep	m2	11
<u>Keeping excavations free of water</u>			
7	Keeping excavations free of water		Item
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
<u>20MPa/19mm unreinforced concrete</u>			
8	Bases	m3	1
<u>FENCING</u>			
<u>Clear view fencing</u>			
9	1800mm high clear view fencing formed of 3000mm long x 1800mm high panels,	m	30
10	2400mm High steel square posts 76 x 100 x 2mm with closing pyramid caps on top, cast into 600mm deep concrete base.l	No	13
Carried to Collection			R
Section No. 4 EXTERNAL WORKS Bill No. 2 FENCING AND SCREENS, ETC REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES			

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Access Gates

11	Sliding gate 5000 X 1800mm High formed from 76x50mm frame and clear view panelling including all locking mechanisms fixed into a 300 x 400 x 500mm concrete base, gate posts formed of 75 x 75 x 2mm steel square tubing 2400mm overall length planted into 450 x 450 x 600mm concrete base (all concrete work to Engineer's specification)	No	1
12	Pedestrian gate 1500 x 1800mm High formed from 76x50mm frame and clear view panelling including all locking mechanisms planted into 450 x 450 x 600mm concrete bases (all concrete work to Engineer's specification)	No	1

BRICK FENCE

SITE CLEARANCE

13	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	20
14	Stripping average 150mm thick layer of top soil and stockpiling on site	m2	20

EXCAVATIONS, ETC

Excavation in earth not exceeding 2m deep

15	Trenches	m3	29
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Extra over trench and hole excavations in earth for excavation in

16	Soft rock	m3	1
17	Hard rock	m3	1

Risk of collapse of excavations

18	Sides of trench and hole excavations not exceeding 1,5m deep	m2	82
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Carried to Collection

R

Section No. 4
EXTERNAL WORKS
Bill No. 2
FENCING AND SCREENS, ETC
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

<u>Extra over all excavations for carting away</u>			
19	Surplus material from excavations and/or stockpiles on site to a dumping site to be located by the contractor	m3	22
<u>Keeping excavations free of water</u>			
20	Keeping excavations free of all water other than subterranean water		Item
<u>FILLING, ETC</u>			
<u>Selected earth filling obtained from the excavations and/or prescribed stock piles on site, including haulage approximately 100m from the perimeter of the excavations or stock piles, compacted to 95% Mod. AASHTO density</u>			
21	Backfilling to trenches, holes, etc	m3	11
<u>WEED KILLERS, INSECTICIDES, ETC</u>			
<u>Soil insecticide in accordance with SANS 5859</u>			
22	To bottoms and sides of trenches etc	m2	109
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>25MPa/19mm concrete</u>			
23	Strip footings	m3	6
<u>TEST CUBES</u>			
<u>Concrete strength test cubes</u>			
24	Making and testing a set of three 150 x 150 x 150mm concrete strength test cubes	Sets	2
<u>BRICKWORK IN FOUNDATIONS</u>			
Carried to Collection			R
Section No. 4 EXTERNAL WORKS Bill No. 2 FENCING AND SCREENS, ETC REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES			

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u>			
25	One brick walls	m2	41	
	<u>BRICKWORK SUNDRIES</u>			
	<u>2,5mm Brickwork reinforcement</u>			
26	150mm Wide reinforcement built in horizontally	m	163	
	<u>BRICKWORK IN SUPERSTRUCTURE</u>			
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u>			
27	One brick walls	m2	74	
	<u>BRICKWORK SUNDRIES</u>			
	<u>2,5mm Brickwork reinforcement</u>			
28	150mm Wide reinforcement built in horizontally	m	281	
	<u>Forming toothings</u>			
29	Toothings to solid walls	m	8	
	<u>Forming expansion joints</u>			
30	Form expansion joint 25mm thick x 230mm wide including installation of gypsum board and waterproofing	m	26	
	<u>FACE BRICKWORK</u>			
	<u>EXTERNAL PLASTER</u>			
	<u>Cement plaster wood floated, on brickwork</u>			
31	On walls	m2	161	
	<u>PAINTWORK, ETC TO NEW WORK</u>			

Carried to Collection

R

Section No. 4
EXTERNAL WORKS
Bill No. 2
FENCING AND SCREENS, ETC
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES

ON FLOATED PLASTER

Clean down, prepare and apply one coat alkali resistant plaster primer, one coat pure acrylic paint thinned with 20% water and one coat interior quality pure acrylic (with teflon) paint on:

32	On external walls	m2	161	
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PRECAST CONCRETE

33	75X300X50mm thick precast concrete coping complete with grooves on both sides	m	41	
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WATERPROOFING

DAMPPROOFING OF WALLS

One layer 375 micron embossed polyethylene dampproof course (SANS 952-1985 type B)

34	In walls	m2	10	
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Carried to Collection

R

Section No. 4
EXTERNAL WORKS
Bill No. 2
FENCING AND SCREENS, ETC
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

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REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 5</u></p> <p><u>BILL NO. 1</u></p> <p><u>ELECTRICAL POWER & LIGHTING INSTALLATION</u></p> <p><u>PREABMLES</u></p> <p>For preambles see "Construction Specifications - General Specification (PW371-A)" and "Construction Specifications - Particular Specification (PW371-B)"</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>The following shall be applicable as far as the execution of eletrical works is concerned:</u></p> <p>1) The Sub-contractor must be registered with the Electrical Contractors Association (SA)</p> <p>2) The Sub-contractor must have a Wireman's Licence for a single or three phase depending on the specified supply</p> <p>3) The Sub-contractor must have a valid Letter of good standing (COIDA)</p> <p>4) The Sub-contractor must be registered with CIDB in the correct category</p> <p><u>Supply, install, test and commission Final sub-circuits from distribution board in a cable and conduit/channel installation comprising concealed heavy-gauge PVC conduit, 1.5 mm² PVC-insulated copper cables, 1.5 mm² copper earthing cable including all accessories and fittings as follows</u></p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 5 ELECTRICAL INSTALLATION Bill No. 1 POWER AND LIGHTING REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES</p>			
			R	

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

LIGHTING POINTS

**Lighting points wired in 1.5 mm² SC CU cables
drawn in ceiling/concealed in wall using
20mm diameter HG P.V.C conduits for:-**

1	One way switching	No	17
2	Two way switching	No	15

SWITCHES

**Screwless brushed chrome 10A switch light
switch plate for the above lighting points as**

3	One gang one way (1G 1-Way)	No	5
4	One gang two way (1G 2-Way)	No	11
5	Two gang two way (2G 2-Way)	No	3
6	Three gang two way (3G 2-Way)	No	4

**Supply, install, test, and commission high-
quality, reliable light fittings with a proven
performance record and local warranty. The
fittings must include compatible lamps of the
specified wattage and color rendering, along
with all necessary accessories and
components, as detailed below:-**

LIGHTING FITTINGS

7	Light "Type P1" Decorative pendant chrome finish LED luminaire with 3000 lumens, 4000K, 12W, pf ≥0.9, atleast 50,000 life hours, complete with all necessary accessories to client/ID's approval	No	3
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Carried to Collection

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Section No. 5
ELECTRICAL INSTALLATION
Bill No. 1
POWER AND LIGHTING
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

8	Light "Type P2" Decorative pendant chrome finish LED luminaire with 3000 lumens, 4000K, 12W, pf ≥0.9, atleast 50,000 life hours, complete with all necessary accessories to client/ID's approval	No	3		
9	Light "Type D1" LED ceiling recessed 225mm diameter LED Downlight luminaire with 2000 lumens, 4000K, 18W, pf ≥0.9, at least 50,000 lifehours, for bedrooms to ID/Client's approval	No	5		
10	Light "Type D2" LED ceiling recessed 150mm light 18W, IP44 with warm white output in chrome/white finish as preferred by ID/Client to corridors and verandah	No	7		
11	Light "Type D3" LED ceiling recessed 150mm diameter LED Downlight luminaire with 900 lumens, 4000K, 10W, pf ≥0.9, atleast 50,000 lifehours, IP 54, water resistant, with opal diffuser for bathrooms/toilets	No	5		
12	Light "Type ML" Mirror Light with shaver socket to ID/client's approval	No	3		
13	Light "Type FL" External PHOTOCELL/ PIR SENSOR controlled LED floodlight luminaire with 4000 lumens, 4000K, 50W, pf ≥0.9, atleast 50,000 lifehours, IP 65 waterproof, complete with all necessary accessories to Engineer's approval	No	4		
14	Light "Type F" 1200mm, 2000 lm, Single 20W, 4000K, at least 50,000 lifehours, pf ≥0.9. CRI 80 LED diffused, heat resistant Luminaire	No	2		
15	Light "Type N" LED Recessed Night Light with Motion Sensor, Waterproof to Engineer's approval	No	7		
<u>Supply, install, test and commission the following:-</u>					
<u>SOCKET OUTLETS AND OTHER POWER POINTS</u>					
16	16 Amps socket outlet points wired ring comprising of 3x2.5 mm sq. single core PVCI copper cables drawn in concealed 25mm HG PVC conduits and PVC channels mounted within the ceiling	No	25		
Carried to Collection				R	
Section No. 5 ELECTRICAL INSTALLATION Bill No. 1 POWER AND LIGHTING REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES					

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

17	Single-Gang 16 Amps Moulded plate unswitched socket outlet	No	3		
18	Single-Gang 16 Amps Waterproof switched socket outlet for outdoor use	No	4		
19	Two-Gang 16 Amps universal moulded plate switched socket outlet with USB-B/C charging ports	No	6		
20	Two-Gang 16 Amps universal moulded plate unswitched socket outlet	No	1		
21	Two-Gang 16 Amps universal moulded plate switched socket outlet	No	1		
22	Shaver/Mirror unit power point comprising wiring in 3x2.5mm ² PVC-SC-CU cables in concealed PVC conduits	No	3		
23	Isolator equipment power point comprising wiring in 3x4mm ² PVC-SC-CU cables in concealed PVC conduits to laundry yard	No	1		
24	20 Amps wall mount Single phase isolator with industrial socket approved by Engineer	No	1		
25	Cooker point comprising of 3x6mm ² PVCI Copper cables drawn in concealed 25mm dia. HG PVC conduits from CU	No	1		
26	Cooker control unit complete with 16 Amps. Switched socket outlet	No	1		
27	Cooker connection unit for item above.	No	1		
28	Domestic bell point comprising of 3x1.5mm ² PVCI Copper cables drawn in concealed 20mm dia. HG PVC conduits from CU	No	4		
29	240V "DING-DONG" door bell complete with an integral 240V/12V transformer	No	2		
30	White moulded spring-loaded push button marked "BELL" complete with box, wired to the "DING-DONG" door bell	No	2		
Carried to Collection				R	
Section No. 5 ELECTRICAL INSTALLATION Bill No. 1 POWER AND LIGHTING REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES					

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

PROVISIONS

31	16 SWG, (300 x 300 x 100) mm ³ galvanised steel draw box for telephone, data works and TV works.	No	10
32	Data point comprising of concealed 20 mm dia. HG PVC conduits plus draw wire.	No	1
33	Wall mounted RJ45, data moulded plate	No	1
34	TV points comprising draw wire in concealed PVC conduits	No	3
35	TV outlet plate complete with wiring in CO-AXIAL cable drawn in concealed HG PVC conduit	No	3
36	CCTV points comprising of 25 mm diameter conduit and 1.5 mm ² single core draw wire but excluding cabling (approximate average length of 15m per point from CCTV control point)	No	10
37	Motorised Gate control points comprising 32 mm diameter conduit and single core draw wire, but excluding wiring (approximate average length of 25m per point from the control point)	No	1
38	Access control points comprising of 20 mm diameter conduit and 1.5 mm ² single core draw wire but excluding cabling	No	1

Supply, install, test and commission the following :-

**CONSUMER UNITS/DISTRIBUTION
BOARDS**

39	12 ways SPN, flush mounted Consumer Unit complete with 150A integral isolator, excluding MCBs	No	1
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Carried to Collection

R

Section No. 5
ELECTRICAL INSTALLATION
Bill No. 1
POWER AND LIGHTING
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

MCB's for item above

40	10A, SP	No	3
41	20A, SP	No	4
42	30A, SP	No	3
43	45A SP	No	1
44	Blanking plates	No	1
45	6 ways SPN, flush mounted Consumer Unit complete with 100A integral isolator excluding MCBs	No	1

MCB's for item above

46	MCB's for item above 10A, SP	No	1
47	20A, SP	No	1
48	30A, SP	No	3
49	Blanking plates	No	1

SUB-MAIN POWER DISTRIBUTION

50	3x 6mm2 single core Copper cables in cable trench and concealed HG PVC conduits from meter board to Consumer Unit (Average 25 m)	m	25
51	32mm diameter PVC duct with concrete surround complete with all accessories.	m	15

Carried to Collection

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Section No. 5
ELECTRICAL INSTALLATION
Bill No. 1
POWER AND LIGHTING
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

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**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 5</u></p> <p><u>BILL NO. 2</u></p> <p><u>ELECTRIC FENCE INSTALLATION</u></p> <p><u>PREABMLES</u></p> <p>For preambles see "Construction Specifications - General Specification (PW371-A)" and "Construction Specifications - Particular Specification (PW371-B)"</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>The following shall be applicable as far as the execution of eletrical works is concerned:</u></p> <p>1) The Sub-contractor must be registered with the Electrical Contractors Association (SA)</p> <p>2) The Sub-contractor must have a Wireman's Licence for a single or three phase depending on the specified supply</p> <p>3) The Sub-contractor must have a valid Letter of good standing (COIDA)</p> <p>4) The Sub-contractor must be registered with CIDB in the correct category</p>			
	Carried to Collection		R	
	<p>Section No. 5</p> <p>ELECTRICAL INSTALLATION</p> <p>Bill No. 2</p> <p>ELECTRIC FENCE INSTALLATION</p> <p>REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE</p> <p>BILLS OF QUANTITIES</p>			

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Supply, install, test, and commission Electric Fence conforming to local electrical safety standards, complete with active and passive components, including all accessories and fittings as follows:-

1	Energiser units with 6 joules of stored energy capacity to deliver consistent electrical pulses for effective operation of electrified fencing systems, complete with deep cycle batteries, for reliable energy storage and supply	No	1
2	High-strength line posts, fabricated from galvanised steel or equivalent corrosion-resistant material, provide robust vertical support for perimeter fencing systems.	No	44
3	Strainer posts constructed to endure high tension forces, fabricated from durable galvanised steel, serving as anchorage points for wire tensioning	No	15
4	2.5mm diameter high tensile steel wire (HTS), compliant with relevant standards, utilised as primary horizontal fencing strands to ensure maximum security and durability in rolls of 400m.	ROLL	3
5	4.0mm diameter soft annealed wire, employed for binding, tying, and securing fencing components where flexibility is required.	m	15
6	Earth pegs constructed from galvanized steel, designed to provide effective grounding for electrified fencing systems ensuring safety and compliance with electrical standards.	No	5
7	Standardised warning signage "DANGER – ELECTRIC FENCE", clearly indicating the presence of electrified fencing, fabricated from durable materials suitable for outdoor exposure, to ensure public safety and regulatory compliance.	No	10
8	W-type insulators, manufactured from UV-resistant polymer or ceramic materials, engineered to securely hold fencing wires while preventing electrical leakage under varying environmental conditions.	No	300

Carried to Collection

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Section No. 5
ELECTRICAL INSTALLATION
Bill No. 2
ELECTRIC FENCE INSTALLATION
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

9	Strain end insulators, designed to maintain electrical insulation at wire termination points under high mechanical tension, fabricated from durable, weather-resistant materials.	No	330		
10	Reel insulators, engineered to facilitate smooth wire tensioning and prevent damage during installation and operation, fabricated from high-quality insulating materials.	No	500		
11	Supply and installation of 2.5mm diameter twin cable, insulated for outdoor use, employed for electrical connections within the fencing system.	m	10		
12	Supply and installation of lightning diverters/arrestors, engineered to protect fencing electrical components and structures from transient voltage surges caused by lightning strikes.			Item	
13	Supply and installation of single strainers, fabricated from galvanized steel, used to maintain wire tension and structural integrity of fencing strands.	No	5		
Carried to Collection					
Section No. 5 ELECTRICAL INSTALLATION Bill No. 2 ELECTRIC FENCE INSTALLATION REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES					R

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**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 5</u></p> <p><u>BILL NO. 3</u></p> <p><u>LIGHTNING PROTECTION</u></p> <p><u>PREAMBLES</u></p> <p>For preambles see "Construction Specifications - General Specification (PW371-A)" and "Construction Specifications - Particular Specification (PW371-B)"</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>The following shall be applicable as far as the execution of eletrical works is concerned:</u></p> <ol style="list-style-type: none"> 1) The Sub-contractor must be registered with the Electrical Contractors Association (SA) 2) The Sub-contractor must have a Wireman's Licence for a single or three phase depending on the specified supply 3) The Sub-contractor must have a valid Letter of good standing (COIDA) 4) The Sub-contractor must be registered with CIDB in the correct category <p><u>Supply, install, test and commission the following :-</u></p> <p><u>AIR TERMINATION</u></p>			
1	Copper air terminations (lightning arrestors) inclusive of base clamp and all fixing materials as FURSE	No	1	
			R	
	<p align="center">Carried to Collection</p> <p>Section No. 5 ELECTRICAL INSTALLATION Bill No. 3 LIGHTNING PROTECTION REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES</p>			

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

DOWNWARD CONDUCTOR

2	Downward conductor comprising 25mm x 3 mm thick bare copper tape as FURSE	m	10
3	Copper square tape clamp for making crossing tape joints	No	2
4	Steel conduits 32mm diam. for securing the down conductors complete with sandles	m	5
5	Test clamp as FURSE	No	1

EARTHING.

6	Earthing comprising of the following and any other necessary accessories:- 15 mm x 1800 mm earth rod as FURSE cat. No. RB 105.	No	1
7	15 mm diameter driving stud as FURSE cat.No. ST100.	No	1
8	Rod to tape clamp as FURSE.	No	1
9	Concrete inspection pit as FURSE cat. No.PT005. (or a well made 320mm x 320mm x 210 mm depth pit.)	No	1
10	25x3mm copper tape	m	5

Carried to Collection

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Section No. 5
ELECTRICAL INSTALLATION
Bill No. 3
LIGHTNING PROTECTION
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

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**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 5</u></p> <p><u>BILL NO. 4</u></p> <p><u>LIGHTNING PROTECTION</u></p> <p><u>PREABMLES</u></p> <p>For preambles see "Construction Specifications - General Specification (PW371-A)" and "Construction Specifications - Particular Specification (PW371-B)"</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>The following shall be applicable as far as the execution of eletrical works is concerned:</u></p> <p>1) The Sub-contractor must be registered with the Electrical Contractors Association (SA)</p> <p>2) The Sub-contractor must have a Wireman's Licence for a single or three phase depending on the specified supply</p> <p>3) The Sub-contractor must have a valid Letter of good standing (COIDA)</p> <p>4) The Sub-contractor must be registered with CIDB in the correct category</p> <p><u>Supply, install, test and commission the following :-</u></p> <p><u>CAMERAS</u></p> <p>1 5MP, IR, IP bullet CAMERA with Vehicle licence Plate number Recognition, Complete with software, all necessary licences, to approval</p> <p style="text-align: right;">No</p> <p style="text-align: right;">1</p> <p style="text-align: right;">R</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 5 ELECTRICAL INSTALLATION Bill No. 4 CCTV INSTALLATION WORKS REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES</p>			

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

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**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

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**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 6</u></p> <p><u>BILL NO. 1</u></p> <p><u>PROVISIONAL SUMS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>General</u></p> <p>All prime cost amounts and provisional sums are net and include for delivery to site of all articles concerned</p> <p>Sub contractors will be treated as domestic sub contractors for the purpose of this contract. They shall be selected sub contractors and the main contractor will be afforded the opportunity to reject such sub contractors prior to appointment provided reasonable justification is given</p> <p><u>Profit</u></p> <p>Where stated, the contractor may allow for profit if required</p> <p><u>General attendance upon selected sub-contractors</u></p> <p>The item "Attendance" which follows each provisional sum for selected sub-contractors work, shall be deemed to cover all the contractor's costs incurred in providing free of charge to the selected sub-contractors, the following:</p> <ol style="list-style-type: none"> 1. The services as in terms of the JBCC Contract document 2. Making good in all trades and cleaning down and removal of rubbish on completion <p style="text-align: right;">Carried to Collection</p> <p>Section No. 6 PROVISIONAL SUMS Bill No. 1 PROVISIONAL SUMS REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES</p>			
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**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Contingency sums

Work for which contingency sums are allowed will be measured and valued in accordance with the JBCC Contract Document and deducted in whole or in part if not required

PROVISIONAL SUMS FOR SELECTED SUB-CONTRACT WORKS

Joinery Fittings, etc.

1	Provide the amount of R150 000.00 (One hundred and fifty thousand rands) for the supply and installation of Joinery Fittings by Specialists	Item	50 000.00
2	Allow for profit on above if required	Item	
3	Allow for giving every facility to Specialists as described	Item	

Fixing damaged timber trusses, etc.

4	Provide the amount of R50 000.00 (Fifty thousand rands) for fixing damaged timber trusses by Specialists	Item	50 000.00
5	Allow for profit on above if required	Item	
6	Allow for giving every facility to Specialists as described	Item	

Supply and installation of drying lines

7	Provide the amount of R10 000.00 (Ten thousand rands) for supply and installation of drying lines by Specialists	Item	10 000.00
8	Allow for profit on above if required	Item	
9	Allow for giving every facility to Specialists as described	Item	

Supply and installation of braai stand

10	Provide the amount of R20 000.00 (Twenty thousand rands) for supply and installation of braai stand by Specialists	Item	20 000.00
11	Allow for profit on above if required	Item	

Carried to Collection

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Section No. 6
PROVISIONAL SUMS
Bill No. 1
PROVISIONAL SUMS
REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
BILLS OF QUANTITIES

**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

12	Allow for giving every facility to Specialists as described	Item		
	<u>Refurbishment of external gazebo</u>			
13	Provide the amount of R20 000.00 Twenty thousand rands) for external gazebo by Specialists	Item	20 000.00	
14	Allow for profit on above if required	Item		
15	Allow for giving every facility to Specialists as described	Item		
	<u>Supply and installation of CCTV</u>			
16	Provide the amount of R50 000.00 Fifty thousand rands) for supply and installation of CCTV by Specialists	Item	50 000.00	
17	Allow for profit on above if required	Item		
18	Allow for giving every facility to Specialists as described	Item		
	<u>Supply and installation of stainless steel kitchen hood</u>			
19	Provide the amount of R20 000.00 Twenty thousand rands) for stainless steel kitchen hood by Specialists	Item	20 000.00	
20	Allow for profit on above if required	Item		
21	Allow for giving every facility to Specialists as described	Item		
	<u>Supply and installation of gas stove including gas cage and cylinders by specialists</u>			
22	Provide the amount of R30 000.00 Thirty thousand rands) for gas stove, gas cage and cylinders by Specialists	Item	30 000.00	
23	Allow for profit on above if required	Item		
24	Allow for giving every facility to Specialists as described	Item		
Carried to Collection			R	
Section No. 6 PROVISIONAL SUMS Bill No. 1 PROVISIONAL SUMS REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES				

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**REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE
ON ERF 252, 33 MAIN ROAD, ARNISTON
BILLS OF QUANTITIES**

Section No	<u>FINAL SUMMARY</u>	Page No	Amount
1	PRELIMINARIES	26	
2	ALTERATIONS	33	
3	BUILDING	91	
4	EXTERNAL WORKS	104	
5	ELECTRICAL INSTALLATION	122	
6	PROVISIONAL SUMS	126	
	SUB-TOTAL 1		R
	<u>CONTINGENCY SUM</u>		
	Allow 5% of the sub-total for contingencies for building work, to be used in whole or in part as directed by the Principal Agent and deducted in whole or in part if not required	%	
	SUB TOTAL (VAT excl.)		R
	VALUE ADDED TAX AT 15%		R
	SUB-TOTAL (VAT INCL.) CARRIED TO TENDER FORM		R
	Carried to Form of Tender		R
	REPAIRS, ALTERATIONS AND UPGRADES TO GUEST HOUSE BILLS OF QUANTITIES		



FORM B9: PROVINCIAL GOVERNMENT WESTERN CAPE

DECLARATION OF INTERESTS, BIDDERS PAST SCM PRACTICES AND INDEPENDENT BID DETERMINATION

1. To give effect to the requirements of the Western Cape Provincial Treasury Instructions, 2019: Supply Chain Management (Goods and Services), Public Finance Management Act (PFMA) Supply Chain Management (SCM) Instruction No. 3 of 2021/2022 - SBD 4 Declaration of Interest, Section 4 (1)(b)(iii) of the Competition Act No. 89 of 1998 as amended together with its associated regulations, the Prevention and Combating of Corrupt Activities Act No 12 of 2004 and regulations pertaining to the tender defaulters register, Paragraph 16A9 of the National Treasury Regulations and/or any other applicable legislation.
2. Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.
3. All prospective bidders intending to do business with the Institution must be registered on the Central Supplier Database (CSD) and the Western Cape Supplier Evidence Bank (WCSEB) if they wish to do business with the Western Cape Government (WCG) via the electronic Procurement Solution (ePS).
4. The status of enterprises and persons listed on the National Treasury's Register for Tender Defaulters will be housed on the ePS. Institutions may not under any circumstances procure from enterprises and persons listed on the Database of Tender Defaulters.
5. The status of suppliers listed on the National Treasury's Database of Restricted Suppliers will be housed on the ePS; however, it remains incumbent on institutions to check the National Treasury Database of Restricted Suppliers before the conclusion of any procurement process. For suppliers listed as restricted, institutions must apply due diligence and risk assessment before deciding to proceed with procurement from any such supplier.

6. Definitions

"bid" means a bidder's response to an institution's invitation to participate in a procurement process which may include a bid, price quotation or proposal;

"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;

If you know of any corrupt, fraudulent or collusive actions in the Institution, please report it by calling the National Hotline 0800 701 701

This form must be completed annually. Should the information herein declared change in the course of the year or before the next renewal or in relation to any bid, quotation or contract, it is the entity's responsibility to advise the Institution in writing of the change in such details.

“business interest” means -

- (a) a right or entitlement to share in profits, revenue or assets of an entity;
- (b) a real or personal right in property;
- (c) a right to remuneration or any other private gain or benefit, or
- (d) includes any interest contemplated in paragraphs (a), (b) or (c) acquired through an intermediary and any potential interest in terms of any of those paragraphs;

“Consortium or Joint Venture” 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;

“Controlling interest” means, the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise;

“Corruption”- General offences of corruption are defined in the Combating of Corrupt Activities Act, 2004 (Act No 12 of 2004) as:

Any person who directly or indirectly -

- (a) accepts or agrees or offers to accept an! gratification from any other person, whether for the benefit of himself or herself or for the benefit of another person; or
- (b) gives or agrees or offers to give to any other person any gratification, whether for the benefit of that other person or for the benefit of another person., in order to act personally or by influencing another person so to act, in a manner—
 - (i) that amounts to the-
 - (aa) illegal. dishonest. unauthorised. incomplete. or biased: or
 - (bb) misuse or selling of information or material acquired in the course of the exercise, carrying out or performance of any powers, duties or functions arising out of a constitutional, statutory, contractual or any other legal obligation:
 - (ii) that amounts to-
 - (aa) the abuse of a position of authority;
 - (bb) a breach of trust; or
 - (cc) the violation of a legal duty or a set of rules;
 - (iii) designed to achieve an unjustified result; or
 - (iv) that amounts to any other unauthorised or improper inducement to do or 45 not to do anything. of the, is guilty of the offence of corruption.

“CSD” means the Central Supplier Database maintained by National Treasury;

If you know of any corrupt, fraudulent or collusive actions in the Institution, please report it by calling the National Hotline 0800 701 701

This form must be completed annually. Should the information herein declared change in the course of the year or before the next renewal or in relation to any bid, quotation or contract, it is the entity's responsibility to advise the Institution in writing of the change in such details.

“employee”, in relation to –

- (a) a department, means a person contemplated in section 8 of the Public Service Act, 1994 but excludes a person appointed in terms of section 12A of that Act; and
- (b) a public entity, means a person employed by the public entity;

“entity” means any -

- (a) association of persons, whether or not incorporated or registered in terms of any law, including a company, corporation, trust, partnership, close corporation, joint venture or consortium; or
- (b) sole proprietorship;

“entity conducting business with the Institution” means an entity that contracts or applies or tenders for the sale, lease or supply of goods or services to the Province;

“Family member” means a person's -

- (a) spouse; or
- (b) child, parent, brother, sister, whether such a relationship results from birth, marriage or adoption or some other legal arrangement (as the case may be);

“intermediary” means a person through whom an interest is acquired, and includes a representative or agent or any other person who has been granted authority to act on behalf of another person;

“Institution” means –

a provincial department or provincial public entity listed in Schedule 3C of the Act;

“Provincial Government Western Cape (PGWC)” means

- (a) the Institution of the Western Cape, and
- (b) a provincial public entity;

“RWOEE” means -

Remunerative Work Outside of the Employee's Employment

“spouse” means a person's -

- (a) partner in marriage or civil union according to legislation;
- (b) partner in a customary union according to indigenous law; or
- (c) partner with whom he or she cohabits and who is publicly acknowledged by the person as his or her life partner or permanent companion.

If you know of any corrupt, fraudulent or collusive actions in the Institution, please report it by calling the National Hotline 0800 701 701

This form must be completed annually. Should the information herein declared change in the course of the year or before the next renewal or in relation to any bid, quotation or contract, it is the entity's responsibility to advise the Institution in writing of the change in such details.

7. Regulation 13(c) of the Public Service Regulations (PSR) 2016, effective 1 February 2017, prohibits any employee from conducting business with an organ of state, or holding a directorship in a public or private company doing business with an organ of state unless the employee is a director (in an official capacity) of a company listed in schedules 2 and 3 of the Public Finance Management Act.
 - a) Therefore, by 31 January 2017 all employees who are conducting business with an organ of state should either have:
 - (i) resigned as an employee of the government institution or;
 - (ii) cease conducting business with an organ of state or;
 - (iii) resign as a director/shareholder/owner/member of an entity that conducts business with an organ of state.
8. Any legal person, or their family members, may make an offer or offers in terms of this invitation to bid. In view of potential conflict of interest, in the event that the resulting bid, or part thereof, be awarded to family members of persons employed by an organ of state, it is required that the bidder or his/her authorised representative declare his/her position in relation to the evaluating/adjudicating authority where the bidder is employed by the Institution.
9. The bid of any bidder may be disregarded if that bidder or any of its directors abused the institution's supply chain management system; committed fraud or any other improper conduct in relation to such system; disclosure is found not to be true and complete; or failed to perform on any previous contract.
10. 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). Collusive bidding is a per se prohibition meaning that it cannot be justified under any grounds.
11. Treasury Regulation 16A9 prescribes that accounting officers and accounting authorities must take all reasonable steps to prevent abuse of the supply chain management system and authorises accounting officers and accounting authorities to:
 - a) disregard the bid of any bidder if that bidder, or any of its directors have abused the institution's supply chain management system and or committed fraud or any other improper conduct in relation to such system.
 - b) cancel a contract awarded to a supplier of goods and services if the supplier committed any corrupt or fraudulent act during the bidding process or the execution of that contract.
12. Communication between partners in a joint venture or consortium will not be construed as collusive bidding.

If you know of any corrupt, fraudulent or collusive actions in the Institution, please report it by calling the National Hotline 0800 701 701

This form must be completed annually. Should the information herein declared change in the course of the year or before the next renewal or in relation to any bid, quotation or contract, it is the entity's responsibility to advise the Institution in writing of the change in such details.

13. 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.

SECTION A DETAILS OF THE ENTITY		
	CSD Registration Number	MAAA
	Name of the Entity	
	Entity registration Number (where applicable)	
	Entity Type	
	Tax Reference Number	

Full details of directors, shareholder, member, partner, trustee, sole proprietor or any persons having a controlling interest with a right or entitlement to share in profits, revenue or assets of the entity should be disclosed in the Table A below.

TABLE A

FULL NAME	DESIGNATION (Where a director is a shareholder, both should be confirmed)	IDENTITY NUMBER	PERSONAL TAX REFERENCE NO.	PERCENTAGE INTEREST IN THE ENTITY

If you know of any corrupt, fraudulent or collusive actions in the Institution, please report it by calling the National Hotline 0800 701 701

This form must be completed annually. Should the information herein declared change in the course of the year or before the next renewal or in relation to any bid, quotation or contract, it is the entity's responsibility to advise the Institution in writing of the change in such details.

SECTION B: DECLARATION OF THE BIDDER'S INTEREST

The supply chain management system of an institution must, irrespective of the procurement process followed, prohibit any award to an employee of the state, who either individually or as a director of a public or private company or a member of a close corporation, seek to conduct business with the WCG, unless such employee is in an official capacity a director of a company listed in Schedule 2 or 3 of the PFMA as prescribed by the Public Service Regulation 13(c).

Furthermore, an employee employed by an organ of state conducting remunerative work outside of the employee's employment should first obtain the necessary approval by the delegated authority (RWOEE), failure to submit proof of such authority, where applicable, may result in disciplinary action.

B1.	Are any persons listed in Table A identified on the CSD as employees of an organ of state? (If yes, refer to Public Service Circular EIM 1/2016 to exercise the listed actions)	NO	YES
B2.	Are any employees of the entity also employees of an organ of state? (If yes complete Table B and attach their approved "RWOEE")	NO	YES
B3.	Are any family members of the persons listed in Table A employees of an organ of state? (If yes complete Table B)	NO	YES

TABLE B

Details of persons (family members) connected to or employees of an organ of state should be disclosed in Table B below.

FULL NAME OF EMPLOYEE	IDENTITY NUMBER	DEPARTMENT/ ENTITY OF EMPLOYMENT	DESIGNATION/ RELATIONSHIP TO BIDDER**	INSTITUTION EMPLOYEE NO./ PERSAL NO. (Indicate if not known)

If you know of any corrupt, fraudulent or collusive actions in the Institution, please report it by calling the National Hotline 0800 701 701

This form must be completed annually. Should the information herein declared change in the course of the year or before the next renewal or in relation to any bid, quotation or contract, it is the entity's responsibility to advise the Institution in writing of the change in such details.

SECTION C: PERFORMANCE MANAGEMENT AND BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

To enable the prospective bidder to provide evidence of past and current performance.

C1.	Did the entity conduct business with an organ of state in the last twelve months? (If yes complete Table C)	NO	YES
------------	--	----	-----

C2. TABLE C

Complete the below table to the maximum of the last 5 contracts.

NAME OF CONTRACTOR	PROVINCIAL DEPARTMENT OR PROVINCIAL ENTITY	TYPE OF SERVICES OR COMMODITY	CONTRACT/ ORDER NUMBER	PERIOD OF CONTRACT	VALUE OF CONTRACT	
C3. Is the entity or its principals listed on the National Database as companies or persons prohibited from doing business with the public sector?					NO	YES
C4. Is the entity or its principals listed on the National Treasury Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No. 12 of 2004)?					NO	YES
<i>(To access this Register enter the National Treasury's website, www.treasury.gov.za, click on the icon "Register for Tender Defaulters" or submit your written request for a hard copy of the Register to facsimile number (012) 326 5445.)</i>						
C5. If yes to C3 or C4, were you informed in writing about the listing on the database of restricted suppliers or Register for Tender Defaulters by National Treasury?				NO	YES	N/A
C6. Was the entity or persons listed in Table A convicted for fraud or corruption during the past five years in a court of law (including a court outside the Republic of South Africa)?					NO	YES
C7. Was any contract between the bidder and any organ of state terminated during the past five years on account of failure to perform on or comply with the contract?					NO	YES

If you know of any corrupt, fraudulent or collusive actions in the Institution, please report it by calling the National Hotline 0800 701 701

This form must be completed annually. Should the information herein declared change in the course of the year or before the next renewal or in relation to any bid, quotation or contract, it is the entity's responsibility to advise the Institution in writing of the change in such details.

SECTION D: DULY AUTHORISED REPRESENTATIVE TO DEPOSE TO AFFIDAVIT

This form must be signed by a duly authorised representative of the entity in the presence of a commissioner of oaths.

I, hereby swear/affirm;

- i. that the information disclosed above is true and accurate;
- ii. that I have read understand the content of the document;
- iii. that I have arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor.
- iv. that the entity undertakes to independently arrive at any offer at any time to the Institution without any consultation, communication, agreement or arrangement with any competitor. In addition, that there will be no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specification, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates;
- v. that the entity or its representative are aware of and undertakes not to disclose the terms of any bid, formal or informal, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract; and
- vi. that there have been no consultations, communications, agreements or arrangements made with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and that my entity was not involved in the drafting of the specifications or terms of reference for this bid.

.....
DULY AUTHORISED REPRESENTATIVE'S SIGNATURE

I certify that before administering the oath/affirmation I asked the deponent the following questions and wrote down his/her answers in his/her presence:

- 1.1 Do you know and understand the contents of the declaration? ANSWER:
- 1.2 Do you have any objection to taking the prescribed oath? ANSWER:
- 1.3 Do you consider the prescribed oath to be binding on your conscience? ANSWER:.....
- 1.4 Do you want to make an affirmation? ANSWER:
2. I certify that the deponent has acknowledged that he/she knows and understands the contents of this declaration, which was sworn to/affirmed and the deponent's signature/thumbprint/mark was place thereon in my presence.

.....
 SIGNATURE FULL NAMES Commissioner of Oaths

Designation (rank) ex officio: Republic of South Africa

Date:..... Place

Business Address:

If you know of any corrupt, fraudulent or collusive actions in the Institution, please report it by calling the National Hotline 0800 701 701

This form must be completed annually. Should the information herein declared change in the course of the year or before the next renewal or in relation to any bid, quotation or contract, it is the entity's responsibility to advise the Institution in writing of the change in such details.

FORM B10: CERTIFICATE OF INDEPENDENT BID DETERMINATION

- 1 This Standard Bidding Document (SBD) must form part of all bids/quotes¹ 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 Treasury Regulation 16A9 prescribes that accounting officers and accounting authorities must take all reasonable steps to prevent abuse of the supply chain management system and authorizes accounting officers and accounting authorities to:
 - a. disregard the bid of any bidder if that bidder, or any of its directors have abused the institution's supply chain management system and or committed fraud or any other improper conduct in relation to such system.
 - b. cancel a contract awarded to a supplier of goods and services if the supplier committed any corrupt or fraudulent act during the bidding process or the execution of that contract.
- 4 This SBD 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 (SBD 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.

CERTIFICATE OF INDEPENDENT QUOTATION/PROPOSAL DETERMINATION

I, the undersigned, in submitting the accompanying quote:

(Quote Number and Description)

in response to the invitation for the quote made by:

(Name of Institution)

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

I certify, on behalf of: _____ that:

(Name of Bidder)

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
 - (a) has been requested to submit a bid in response to this bid invitation;
 - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
 - (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder

6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium³ will not be construed as collusive bidding.
7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - (a) prices;
 - (b) geographical area where product or service will be rendered (market allocation)
 - (c) methods, factors or formulas used to calculate prices;
 - (d) the intention or decision to submit or not to submit, a bid;
 - (e) the submission of a bid which does not meet the specifications and conditions of the bid; or
 - (f) bidding with the intention not to win the bid.
8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.

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.

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

Js914w 2

FORM B11: PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022 AND IN TERMS OF THE WESTERN CAPE GOVERNMENTS INTERIM STRATEGY AS IT RELATES TO PREFERENCE POINTS

This preference form must form part of all bids invited. It contains general information and serves as a claim form for preference points for Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution

NB: BEFORE COMPLETING THIS FORM, BIDDERS (TENDERERS) MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER, PREFERENTIAL PROCUREMENT REGULATIONS, 2022 AND THE BROAD BASED BLACK ECONOMIC EMPOWERMENT ACT AND THE CODES OF GOOD PRACTICE

1. DEFINITIONS

- 1.1 **“acceptable tender”** means any tender which, in all respects, complies with the specifications and conditions of tender as set out in the tender document.
- 1.2 **“affidavit”** is a type of verified statement or showing, or in other words, it contains a verification, meaning it is under oath or penalty of perjury, and this serves as evidence to its veracity and is required for court proceedings.
- 1.3 **“all applicable taxes”** includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;
- 1.4 **“B-BBEE”** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- 1.5 **“B-BBEE status level of contributor”** means the B-BBEE status of an entity in terms of a code of good practice on black economic empowerment issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- 1.6 **“bid”** means a written offer on the official bid documents or invitation of price quotations and **“tender”** is the act of bidding /tendering;
- 1.7 **“Code of Good Practice”** means the generic codes or the sector codes as the case may be;
- 1.8 **“consortium or joint venture”** 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; **“contract”** means the agreement that results from the acceptance of a bid by an organ of state;
- 1.9 **“EME”** is an Exempted Micro Enterprise with an annual total revenue of R10 million or less.
- 1.10 **“Firm price”** means the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of customs or excise duty and any other duty, levy, or tax, which, in terms of the law or regulation, is binding on the contractor and demonstrably has an influence on the price of any supplies, or the rendering costs of any service, for the execution of the contract;

- 1.11 **“Large Enterprise”** is any enterprise with an annual total revenue above R50 million;
- 1.12 **“non-firm prices”** means all prices other than “firm” prices;
- 1.13 **“person”** includes a juristic person;
- 1.14 **“price” means an amount of money tendered for goods or services, and** includes all applicable taxes less all unconditional discounts;
- 1.15 **“proof of B-BBEE status level contributor”** means-
- (a) The B-BBEE status level certificate issued by an authorized body or person;
 - (b) A sworn affidavit as prescribed in terms of the B-BBEE Codes of Good Practice; or
 - (c) Any other requirement prescribed in terms of the Broad- Based Black Economic Empowerment Act.
- 1.16 **QSE** is a Qualifying Small Enterprise with an annual total revenue between R10 million and R50 million;
- 1.17 **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- 1.18 **“sub-contract”** means the primary contractor's assigning, leasing, making out work to, or employing, another person to support such primary contractor in the execution of part of a project in terms of the contract.
- 1.19 **“tender”** means a written offer in the form determined by an organ of state in response to an invitation to provide or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- 1.20 **“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;
- 1.21 **“the Act”** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000);
- 1.22 **“the Regulations”** means the Preferential Procurement Regulations, 2022;
- 1.23 **“total revenue”** bears the same meaning assigned to this expression in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act and promulgated in the *Government Gazette* on 11 October 2013;
- 1.24 **“trust”** means the arrangement through which the property of one person is made over or bequeathed to a trustee to administer such property for the benefit of another person; and
- 1.25 **“trustee”** means any person, including the founder of a trust, to whom property is bequeathed in order for such property to be administered for the benefit of another person.

2. GENERAL CONDITIONS

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

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

2.2 Preference point system for this bid:

- (a) The value of this bid is estimated to exceed/not exceed R50 000 000 (all applicable taxes included) and therefore the preference point system shall be applicable; or
- (b) Either the 80/20 or 90/10 preference point system will be applicable to this tender (*delete whichever is not applicable for this tender*).

2.3 Preference points for this bid (even in the case of a tender for income-generating contracts) shall be awarded for:

- a) Price; and
- b) B-BBEE Status Level of Contribution.

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

	POINTS
PRICE	80
B-BBEE STATUS LEVEL OF CONTRIBUTOR	20
Total points for Price and B-BBEE must not exceed	100

2.5 Failure on the part of a bidder to fill in, sign this form and submit in the circumstances prescribed in the Codes of Good Practice either a B-BBEE Verification Certificate issued by a Verification Agency accredited by the South African Accreditation System (SANAS) or an affidavit confirming annual total revenue and level of black ownership together with the bid or an affidavit issued by Companies Intellectual Property Commission, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

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

3. ADJUDICATION USING A POINT SYSTEM

3.1 Subject to Section 2 (1) (f) of the Preferential Procurement Policy Framework Act, 2000, the **bidder obtaining the highest number of total points** will be awarded the contract.

- 3.2 A tenderer must submit proof of its B-BBEE status level of contributor in order to claim points for B-BBEE.
- 3.3 A tenderer failing to submit proof of B-BBEE status level of contributor or is a non-compliant contributor to B-BBEE will not be disqualified but will only score:
- a) points out of 80 for price; and
 - b) 0 points out of 20 for B-BBEE
- 3.4 Points scored must be rounded off to the nearest 2 decimal places.
- 3.5 In the event that two or more bids have scored equal total points, the successful bid must be the one scoring the highest number of preference points for B-BBEE.
- 3.6 As per section 2 (1) (f) of the Preferential Procurement Policy Framework Act, 2000, the contract may be awarded to a bidder other than the one scoring the highest number of total points based on objective criteria in addition to those contemplated in paragraph (d) and (e) of the Act that justifies the award to another tenderer provided that it has been stipulated upfront in the tendering conditions.
- 3.7 Should two or more bids be equal in all respects; the award shall be decided by the drawing of lots.

4. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

4.1 POINTS AWARDED FOR PRICE

4.1.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEM

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

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

Where

P_s = Points scored for price of bid under consideration

P_t = Price of tender under consideration

P_{\min} = Price of lowest acceptable tender

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

5.1 POINTS AWARDED FOR PRICE

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

80/20 or 90/10

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

Where

P_s = Points scored for price of tender under consideration

P_t = Price of tender under consideration

P_{max} = Price of highest acceptable tender

6. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTION

- 6.1 In terms of WCG interim strategy, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (90/10 system)	Number of points (80/20 system)
1	10	20
2	9	18
3	6	14
4	5	12
5	4	8
6	3	6
7	2	4
8	1	2
Non-compliant contributor	0	0

- 6.2 An **EME** must submit a valid, originally certified affidavit confirming annual turnover and level of black ownership or an affidavit issued by Companies Intellectual Property Commission
- 6.3 A **QSE that is less than 51 per cent (50% or less) black owned** must be verified in terms of the QSE scorecard issued via Government Gazette and submit a valid, original or a legible certified copy of a B-BBEE Verification Certificate issued by SANAS.



- 6.4 A **QSE that is at least 51 per cent black owned (51% or higher)** must submit a valid, originally certified affidavit confirming turnover and level of black ownership as well as declare its empowering status or an affidavit issued by Companies Intellectual Property Commission.
- 6.5 A **large enterprise** must submit a valid, original or originally certified copy of a B-BBEE Verification Certificate issued by a verification agency accredited by SANAS.
- 6.6 A trust, consortium or joint venture, will qualify for points for their B-BBEE status level as a legal entity, provided that the entity submits their B-BBEE status level certificate.
- 6.7 A trust, consortium or joint venture (including unincorporated consortia and joint ventures) must submit a consolidated B-BBEE status level verification certificate for every separate tender.
- 6.8 Tertiary institutions and public entities will be required to submit their B-BBEE status level certificates in terms of the specialized scorecard contained in the B-BBEE Codes of Good Practice.

7. BID DECLARATION

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

8. B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED IN TERMS OF PARAGRAPH 6

- 8.1 B-BBEE Status Level of Contribution..... = *(maximum of 20 points)*

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 6.1 and must be substantiated by means of a B-BBEE certificate issued by a Verification Agency accredited by SANAS or an affidavit confirming annual total revenue and level of black ownership in terms of the relevant sector code applicable to the tender.

9. SUB-CONTRACTING

- 9.1 Will any portion of the contract be sub-contracted? **YES/NO** *(delete which is not applicable)*

- 9.1.1 If yes, indicate:

(i) what percentage of the contract will be subcontracted?%

(ii) the name of the sub-contractor?

(iii) the B-BBEE status level of the sub-contractor?

(iv) whether the sub-contractor is an EME or QSE? **YES/NO** *(delete which is not applicable)*

- 9.1.2 Sub-contracting relates to a **particular** contract and if sub-contracting is applicable, the bidder to state in their response to a particular RFQ that a portion of that contract will be sub- contracted.



10. DECLARATION WITH REGARD TO COMPANY/FIRM

10.1 Name of company/ entity :

10.2 VAT registration number :

10.3 Company Registration number :

10.4 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 [SELECT APPLICABLE ONE]

10.5 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBEE status level of contribution indicated in paragraph 7 above, qualifies the company/ firm for the preference(s) shown and I/we acknowledge that:

- (a) The Western Cape Government reserves the right to audit the B-BBEE status claim submitted by the bidder.
- (b) As set out in Section 13O of the B-BBEE Act as amended, any misrepresentation constitutes a criminal offence. A person commits an offence if that person knowingly:
 - (i) misrepresents or attempts to misrepresent the B-BBEE status of an enterprise;
 - (ii) provides false information or misrepresents information to a B-BBEE Verification Professional in order to secure a particular B-BBEE status or any benefit associated with compliance to the B-BBEE Act;
 - (iii) provides false information or misrepresents information relevant to assessing the B-BBEE status of an enterprise to any organ of state or public entity; or
 - (iv) engages in a fronting practice.
- (c) If a B-BBEE verification professional or any procurement officer or other official of an organ of state or public entity becomes aware of the commission of, or any attempt to commit any offence referred to in paragraph 10.5 (a) above will be reported to an appropriate law enforcement agency for investigation.



- (d) Any person convicted of an offence by a court is liable in the case of contravention of 10.5 (b) to a fine or to imprisonment for a period not exceeding 10 years or to both a fine and such imprisonment or, if the convicted person is not a natural person to a fine not exceeding 10 per cent of its annual turnover.
- (e) The purchaser may, if it becomes aware that a bidder may have obtained its B-BBEE status level of contribution on a fraudulent basis, investigate the matter. Should the investigation warrant a restriction be imposed, this will be referred to the National Treasury for investigation, processing and imposing the restriction on the National Treasury's List of Restricted Suppliers. The bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, may 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.
- (f) The purchaser may, in addition to any other remedy it may have –
- (i) disqualify the person from the bidding process;
 - (ii) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (iii) 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; and
 - (iv) forward the matter for criminal prosecution.
- (g) The information furnished is true and correct.
- (h) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 2 of this form.

SIGNATURE(S) OF THE BIDDER(S): **DATE:**

..... **ADDRESS:**

.....

.....

WITNESSES:

1.

2.



safe working practice
OCCUPATIONAL HEALTH AND SAFETY GROUP

Project Health and Safety Specification

In terms of Construction Regulations 2014

Project Client

CAPE NATURE

Description of Project Works

**REPAIRS, RENOVATIONS, AND MINOR
ALTERATIONS TO THE CAPE NATURE
RESIDENTIAL FACILITY**

Project Location

**CAPE NATURE RESIDENCE
33 MAIN ROAD
ARNISTON**

Preparation Date

JULY 2025

Project Health and Safety Specification developed by:

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PROJECT HEALTH AND SAFETY SPECIFICATION

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1.0 SPECIFIC PROJECT INFORMATION

1. 1 INTRODUCTION AND DEFINITIONS

THE REQUIREMENTS OF THE CONSTRUCTION REGULATIONS 2014 (AND GUIDANCE NOTES OF 2017) HAVE BEEN IN EFFECT SINCE 7TH AUGUST 2014. THE REGULATIONS PLACE LEGAL DUTIES UPON PRINCIPAL CONTRACTORS AND CONTRACTORS. ALTHOUGH THIS HEALTH AND SAFETY SPECIFICATION INCLUDES MUCH OF THE CONTENT OF THE REGULATIONS, THE CONTRACTOR WILL BE DEEMED TO BE FAMILIAR WITH THE REQUIREMENTS OF THESE REGULATIONS, AND OTHER ASSOCIATED HEALTH AND SAFETY REGULATIONS, AND TO HAVE FACTORED IN ALL THE DUTIES PLACED UPON CONTRACTORS AND PRINCIPAL CONTRACTORS IN THE TENDER. A COPY OF THE REGULATIONS CAN BE VIEWED ON THE DEPARTMENT OF LABOUR'S WEBSITE.

PLEASE NOTE THAT THE TERMS "CONTRACTOR" AND "PRINCIPAL CONTRACTOR" HAVE THE SAME MEANING AS THAT IN THE CONSTRUCTION REGULATIONS AND ARE USED INTERCHANGEABLY IN THIS DOCUMENT, I.E., REFERENCES TO "CONTRACTOR" REFER TO PRINCIPAL CONTRACTOR AND/OR CONTRACTOR AS THE REGULATIONS PERTAIN TO THEIR FUNCTIONS.

This Health and Safety Specification contains clauses that are generally applicable to construction activities, as well as imposing pro-active controls associated with activities that impact on Health and Safety as it relates to work on site. Compliance to the requirements of the Occupational Health and Safety Act 1993 is an additional requirement of this Health and Safety Specification and is part of the Contractor's responsibility. The Client, and/or their agents, will monitor that all Contractors comply with the requirements of such legislation.

ALL REFERENCES TO CLIENT IN THIS HEALTH AND SAFETY SPECIFICATION ALSO REFER TO SAFETY AGENT, WHERE SO APPOINTED.

Definitions (as per the Construction Regulations 2014) applicable to this Health and Safety Specification:

"agent" means a competent person who acts as a representative for a Client;

"angle of repose" means the steepest angle of a surface at which a mass of loose or fragmented material will remain stationary in a pile on the surface, rather than sliding or crumbling away;

"bulk mixing plant" means machinery, appliances or other similar devices that are assembled in such a manner so as to be able to mix materials in bulk for the purposes of using the mixed product for construction work;

"client" means any person for whom construction work is being performed;

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

"construction manager" means a competent person responsible for the management of the physical construction processes and the coordination, administration, and management of resources on a construction site;

"construction site" means a workplace where construction work is being performed;



"construction supervisor" means a competent person responsible for supervising construction activities on a construction site;

"construction vehicle" means a vehicle used as a means of conveyance for transporting persons or material, or persons and material, on and off the construction site for the purposes of performing construction work;

"construction work" means any work in connection with -

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

"construction work permit" means a document issued in terms of regulation 3;

"contractor" means an employer who performs construction work;

Note:

a) Includes organisations and or self-employed person that contracts with a client, principal contractor, or a contractor to carry out construction work.

"demolition work" means a method to dismantle, wreck, break, pull down or knock down of a structure or part thereof by way of manual labour, machinery, or the use of explosives;

"design" in relation to any structure, includes drawings, calculations, design details and specifications;

"designer" means a competent person who-

- prepares a design;
- checks and approves a design;
- arranges for a person at work under his or her control to prepare a design, including an employee of that person where he or she is the employer; or
- designs temporary work, including its components;
- an architect or engineer contributing to, or having overall responsibility for a design;
- a building services engineer designing details for fixed plant;
- a surveyor specifying articles or drawing up specifications;
- a contractor carrying out design work as part of a design and building project; or
- an interior designer, shop-fitter, or landscape architect;

"ergonomics" means the scientific discipline concerned with the fundamental understanding of interactions among humans and other elements of a system, and the profession that applies theory, principles, data, and methods to design in order to optimise human well-being and overall system performance;

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

"explosive actuated fastening device" means a tool that is activated by an explosive charge and that is used for driving bolts, nails, and similar objects for the purpose of providing fixing;

"fall arrest equipment" means equipment used to arrest a person in a fall, including personal equipment, a body harness, lanyards, deceleration devices, lifelines, or similar equipment;

"falsework" means a combined system of formwork and support work;

"formwork" means temporary or permanent shutters used to form wet concrete into elements of a structure, and includes both horizontally and vertically placed shutters;

"fall prevention equipment" means equipment used to prevent persons from falling from a fall risk position, including personal equipment, a body harness, lanyards, lifelines or physical equipment such as guard-rails, screens, barricades, anchorages or similar equipment;



"fall protection plan" means a documented plan, which includes and provides for -

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

"fall risk" means any potential exposure to falling either from, off or into;

"health and safety file" means a file, or other record containing the information in writing required by these Regulations;

"health and safety plan" means a site, activity or project specific documented plan in accordance with the Client's health and safety specification;

"health and safety specification" means a site, activity or project specific document prepared by the Client pertaining to all health and safety requirements related to construction work;

"material hoist" means a hoist used to lower or raise material and equipment, excluding passengers;

"medical certificate of fitness" means a certificate contemplated in regulation 7(8);

"mobile plant" means any machinery, appliance or other similar device that is able to move independently, and is used for the purpose of performing construction work on a construction site;

"National Building Regulations" means the National Building Regulations made under the National Building Regulations and Building Standards Act, 1977 (Act No. 103 of 1977), and promulgated by Government Notice No. R. 2378 of 30 July 1990, as amended by Government Notices No's R. 432 of 8 March 1991, R. 919 of 30 July 1999 and R. 547 of 30 May 2008;

"person day" means one normal working shift of carrying out construction work by a person on a construction site;

"principal contractor" means an employer appointed by the Client to perform construction work;

"Professional Engineer or Professional Certificated Engineer" means a person holding registration as either a Professional Engineer or Professional Certificated Engineer in terms of the Engineering Profession Act, 2000 (Act No. 46 of 2000);

"Professional Technologist" means a person holding registration as a Professional Engineering Technologist in terms of the Engineering Profession Act, 2000;

"provincial director" means the provincial director as defined in regulation 1 of the General Administrative Regulations, 2003;

"scaffold" means a temporary elevated platform and supporting structure used for providing access to and supporting workmen or materials or both;

"shoring" means a system used to support the sides of an excavation and which is intended to prevent the cave-in or the collapse of the sides of an excavation;

"structure" means-

- any building, steel or reinforced concrete structure (not being a building), railway line or siding, bridge, waterworks, reservoir, pipe or pipeline, cable, sewer, sewage works, fixed vessels, road, drainage works, earthworks, dam, wall, mast, tower, tower crane, bulk mixing plant, pylon, surface and underground tanks, earth retaining structure or any structure designed to preserve or alter any natural feature, and any other similar structure;
- any falsework, scaffold or other structure designed or used to provide support or means of access during construction work; or
- any fixed plant in respect of construction work which includes installation, commissioning, decommissioning, or dismantling and where any construction work involves a risk of a person falling;



"support work" means the temporary structure erected to support the formwork before the casting of a concrete element of a structure.

"suspended platform" means a working platform suspended from supports by means of one or more separate ropes from each support;

"temporary works" means any falsework, formwork, support work, scaffold, shoring or other temporary structure designed to provide support or means of access during construction work;

"the Act" means the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993);

"tunnelling" means the construction of any tunnel beneath the natural surface of the earth for a purpose other than the searching for or winning of a mineral.

Reference should be made to the following documentation in conjunction with this Safety Specification (including existing surveys, drawings, and reports):

- Tender documents
- Drawings

IMPORTANT NOTE:

This Health and Safety Specification has been prepared to comply with the requirements of the Construction Regulations 2014.

1.2 BACKGROUND TO THE HEALTH AND SAFETY SPECIFICATION

Historically, the Construction Industry has had a poor health and safety record. Due to the complex and potentially dangerous operations being undertaken, there is a high risk of incidents, accidents, and injuries. In many instances poor adherence to the Act and Regulations has resulted in severe consequences for Health and Safety performance. The Client is determined that the highest Health and Safety standards will prevail throughout the Contract and that there will be full commitment from all parties involved.

To achieve this goal the Client has arranged for the preparation of this Health and Safety Specification. The Health and Safety Specification sets out guidelines and minimum levels of awareness and guidance for Health and Safety requirements for the project. Contractual responsibility for adhering to these requirements rests with the Contractors. All employees are encouraged to be pro-active in compliance.

The Client is committed to ensuring the highest Health and Safety standards for all work undertaken within the Contract.

Contractors as employers are fully responsible and accountable for compliance with all Health and Safety requirements.

IMPORTANT NOTE:

Compliance with the Occupational Health and Safety Act and Regulations shall not be limited to this Health and Safety Specification and definitions contained in this document.

Contractors shall be conversant with the requirements and effects of Health and Safety legislation upon their activities, in particular the Construction Regulations, 2014, and the Occupational Health and Safety Act, 1993, and to have made adequate resource in their tender submission to comply with all legislative requirements.

Failure to comply with the requirements of this Safety Specification will result in severe sanction and the severity of the sanction will depend on the severity of the noncompliance.



The Contractor's personnel will be responsible for the auditing of the implementation of the Health and Safety Specification and maintaining the document control and record systems associated with the Health and Safety Specification. The Client will arrange for Health and Safety audits to be conducted on site on their behalf to monitor health and safety compliance by contractors.

1.3 PURPOSE OF THE HEALTH AND SAFETY SPECIFICATION

The purpose of this site-specific Health and Safety Specification is to comply with legal requirements and to provide health and safety information about specific project risks known by the Client, Designer and Safety Agent to be applicable to this project. This document also provides minimum health and safety requirements, standards, and expectations that the contractor must adhere to.

The Contractor must take into account all information in this specification and ensure that their tenders include adequate resource and competence to deal with the matters detailed herein so that all relevant contents are dealt with in a way which is in compliance with legislation and the ethical concerns for the safeguarding of employees, contractors and other persons affected by the construction activities. Please note that a detailed OHS bill of quantities must be provided by the contractor on all Construction Work Permit projects. The Bill of Quantities will form part of the Construction Work Permit appellation presented to Department of Labour for approval.

The Health and Safety Specification will be implemented during construction of the works and any construction activity that the Client has control over.

This will also assist in ensuring that all the costs related to the compliance with Occupational Health Act 85 of 1993 and the Construction Regulations 2014, as well as this Health and Safety Specification, are taken into consideration at Tender stage.

No advice, approval of any document required by the Health and Safety Specification such as hazard identification and risk assessment action plans or any other form shall be construed as an acceptance by the Client of any obligation that absolves the 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 Contractor failing to comply with the Health and Safety Specification unless the Client has issued an instruction to any requirement, i.e. the Contractor remains responsible for achieving the required performance levels.

1.4 IMPLEMENTATION OF THE HEALTH AND SAFETY SPECIFICATION

This Health and Safety Specification forms an integral part of the Contract, and Contractors shall make it an integral part of their Contracts with other Contractors and Suppliers. Contractors employed by the Client are to ensure that the provisions of the Health and Safety Specification are applied both on the site and in respect of all off site activities relating to the project, in particular in transport activities and project dedicated off site fabrication works.

The Contractor shall enforce the provisions of the Health and Safety Specification amongst all Contractors and suppliers for the project.

The Contractor shall sign the acknowledgment on the last page of this safety specification that he/she has familiarized him/herself with the content of the Health and Safety Specification and shall comply with all obligations in respect thereof.

The successful Contractor will be required to compile a Health and Safety Plan based on the requirements of the Occupational Health Act 85 of 1993 and these Specifications, which will need to be approved by Client (or their appointed safety agent) prior to commencement with construction work.



1.4.1 Client Duties

In terms of the Construction Regulations 2014 the Client (or their Agent, where appointed) has legal duties. Where an Agent (refer to "definitions" section of this document) is appointed in terms of this project, these Health and Safety duties assigned will also apply.

All references to "Client" will apply to their appointed "Safety Agent", where so appointed, in this Health and Safety Specification.

The Client must:

- Prepare a baseline risk assessment for the construction work
- Prepare a suitable, sufficiently documented, and coherent site specific Health and Safety specification for the intended construction work, based on the baseline risk assessment
- Include the health and safety specification in the tender documents
- Ensure that potential principal contractors submitting tenders have made adequate provision for the cost of health and safety measures
- Ensure that the principal contractor to be appointed has the necessary competencies and resources to carry out the construction work safely
- Take reasonable steps to ensure co-operation between all contractors appointed by the Client to enable each of those contractors to comply with the regulations
- Ensure, before work commences, that every principal contractor is registered and in good standing with the compensation fund, or with a licensed compensation insurer as contemplated in the Compensation for Occupational injuries and Diseases Act, 1993 (Act no 130 of 1993)
- Appoint each principal contractor in writing for the project, or part thereof
- Discuss and negotiate with the principal contractor the contents of the principal contractor's safety plan and thereafter finally approve that plan for implementation
- Ensure that a copy of the principal contractor's health and safety plan is implemented and maintained
- Ensure that periodic health and safety audits and document verification are conducted at intervals mutually agreed upon between the principal contractor and any contractor, but at least once every 30 days
- Ensure that a copy of the health and safety audit report is provided to the principal contractor within 7 days after the audit
- Stop any contractor from executing a construction activity which poses a threat to the health and safety of persons which is not in accordance with the principal contractor's health and safety plan for site
- Where changes are brought about to the design or construction work, make sufficient health and safety information and appropriate resources available to the principal contractor to execute the work safely
- Ensure that the health and safety file is kept and maintained by the principal contractor.
- Where the Client requires additional work to be performed as a result of a design change or error in construction due to the actions of the Client, the Client must ensure that sufficient safety information and appropriate additional resources are available to execute the required work safely.
- Where more than one principal contractor is appointed, the Client must take reasonable steps to ensure co-operation between all principal contractors and contractors to ensure compliance with the Regulations
- Where the Client has appointed a Safety Agent for the project, their details for this project are contained in the Project Directory section of this health and safety specification.

1.4.2 Designer Duties

It must be noted that the Designer also has Health and Safety duties assigned in terms of the Construction Regulations. Where the contractor fulfils a design function in terms of this project (refer to "definitions" section of this document), these duties will also apply. Please refer to Regulation 6 of the Construction Regulations 2014.



1.5 PROJECT DIRECTORY		
Project Client	Cape Nature	Tel: 087 087 3175 Cell: TBA e-mail: rmathews@capenature.co.za
Contact Person	Ramese Mathews	
Project Manager & Architect	Miradi Architects	Tel: 021 552 9505 Cell: 063 558 2833 e-mail: jmotanya@miradi.co.za
Contact Person	Jacob Motanya	
Quantity Surveyor	Miradi Architects	Tel: 021 552 9505 Cell: 063 387 0996 e-mail: chakondwaheinrich928@gmail.com
Contact Person	Heinrich Chakondwa	
Civil Engineer	Endecon (Wes Kaap)	Tel: 021 949 5444 Cell: 082 444 4399 e-mail: michiel@civileng.co.za
Contact Person	Michiel Knoetze	
Electrical Engineer	Miradi Architects	Tel: 021 552 9505 Cell: TBA e-mail: ebwogando@gmail.com
Contact Person	Evans Bwógando	
Construction Safety Agent	Safe Working Practice (Cape Town)	Tel: 021 701 0470 Cell: 071 603 2213 e-mail: markw@safeppractice.co.za
Contact Person	Mark Winter	

OTHER PARTIES DIRECTORY	
Department of Labour WESTERN CAPE – Fezeka Ngalo	Tel: 021 441 8158 Cell: 083 365 0681 e-mail: fezeka.ngalo@labour.gov.za
Telecommunications, Water, Gas and Electricity Contractor to apply for and refer to wayleave information from service providers for the nature and location of services. Refer all queries Project Manager.	



1.6 PROJECT DETAILS

Description of Works

Project Overview: This project involves repairs, renovations, and minor alterations to the Cape Nature residential facility located at 33 Main Road, Arniston 7280. The objective is to rehabilitate a dilapidated property in line with conservation principles while improving its functionality, safety, and durability for future use as accommodation.

Scope of Works:

- Site set up
- Provision of personnel, tool, machinery, facilities for the project
- Demolitions: Removal of deteriorated finishes, ceilings, damaged fittings, external paving, doors, and windows. Safe disposal of any asbestos-containing materials in accordance with legal requirements.
- Masonry and Structural Repairs: Construction of new boundary walls where required. Repairs to internal and external walls including plastering and crack repair.
- Roofing Works: Stripping existing roof tiles, installing new sisalation and waterproofing membranes, retiling and repairing roof structure as needed.
- Windows and Doors: Supply and installation of new aluminium-framed windows and external doors, including associated hardware and glazing.
- Internal Finishes: Installation of new ceilings (Nutec or equivalent), epoxy screed flooring, and repainting of all internal spaces. Tiling of wet areas such as bathrooms and kitchen.
- Joinery: Manufacture and installation of kitchen cupboards, storage lockers, vanities, and other built-in joinery items.
- Plumbing: Full replacement of hot and cold-water reticulation using HDPE/PEX piping. Installation of new sanitary fittings, geyser, water tanks, and all drainage connections in line with SANS 10252 and local authority standards.
- Electrical Installation: Complete rewiring in compliance with SANS 10142. Provision of new DB board, circuits for lighting, sockets, geyser, and external points. Installation of energy-efficient LED lighting and certified earthing.
- CCTV, Access Control, and Data Installations: Provision for security cameras, access control systems (mag locks, keypads or biometric readers), and structured data cabling (CAT6) with termination at a patch panel.
- External Works: Refurbishment of paving, installation of new fencing and gates, site clean-up and finishing to surrounding landscape areas as required.

This description of the works is not necessarily complete and shall not limit the work to be carried out by the Contractor under this Contract.

Anticipated Construction Duration

24 weeks

Provisional Start Date

1st October 2025

Provisional Completion Date

31st March 2026

Construction Work Permit Required for the Project?

No.



1.7 EXISTING ENVIRONMENT

Hazards particular to this project by virtue of location:

- Members of public located in vicinity of site.
- Site located in existing residential area.
- Possible concerns with vandalism and security
- Existing live services present.
- Existing gutters and rain water pipes are asbestos and will need to be professionally removed and disposed of.

Overhead, Above Ground and Underground Services crossing the site:

Overhead: Principal Contractor to check area and take precautions against damage to services and risk of injury to employees. Overhead electrical supply lines present.

Underground: Principal Contractor to check area and take precautions against damage to services and risk of injury to employees. Water and sewer services thought to be present.

Ground level: Principal Contractor to check area and take precautions against damage to services and risk of injury to employees. Streetlights and security lights thought to be present.

Service Drawings available: No.

Wayleaves required: No.

Permits required: TBA

Isolations required: No

Existing structures and surrounding land use (with a significant impact on Health & Safety):

- Site is located in an existing residential area. Members of public, adjoining buildings located nearby and road traffic will be in vicinity of site.

Existing ground conditions and ground survey report:

- Refer all queries to the project manager
- No geo tech report available
- No problems known re soil contamination
- Max excavation depth 600mm
- No dewatering or shoring required

Existing Traffic Systems

Condition: Existing two way surfaced roads.

Restrictions to access: None known

Speed restrictions: Usual urban speed limits apply. Reduce speed on site.



1.8 AVAILABLE DRAWINGS

Refer to tender documentation.

1.9 PROJECT HEALTH AND SAFETY REQUIREMENTS

Significant health and safety hazards identified by Project Manager and Safety Agent:

Protection of members of public and road users – The health and safety of members of public, road users and workers must be a priority at all times and all necessary steps must be taken to protect them. Existing roads will remain open during works.

Risk of criminal (high) activities and protest action – risk of crime with potential risk and protest action to contractors. The safety of the workers must be taken into consideration. Emergency procedures must form part of induction training. Contractor must ensure safe entry into the area and vacate the area immediately in event of incidents and notify professional team.

- The Principal Contractor is to ensure the safety of workers, contractors, plant, and equipment.

Presence of Asbestos - The contractor to comply with the requirements and duties as per the requirements of the Asbestos Abatement Regulations of 2020

Use of delivery or support trucks used for the delivery and removal of material and equipment on open roadways – plant must be effectively separated from members of public and unauthorised personnel. Trained flag persons wearing high visibility clothing to be in place as required. Exclusion zone to be in operation when the support vehicles are in use next to the roadways.

Noise and Dust control: Measures to be put in place by the appointed contractor to minimize the dust and noise on site. Contractor must take sufficient steps to reduce the production of noise and dust.

Excavations – max depth 600mm. Excavations must sloped to a safe repose. If sloping is not possible, it must be adequately supported. Support mechanisms to be of sufficient design, durability and strength to prevent any excavation edges from collapsing. **Excavations must be backfilled by end of each shift as far as is reasonably practicable.** If this cannot be done then appropriate safety measures must be put in place by the contractor to prevent unauthorised entry to excavations, including barriers and warning signage. Ensure there is a safe distance between employees and plant when digging excavations.

ALL EXCAVATIONS MUST HAVE A MINIMUM OF ORANGE PLASTIC BARRIER MESH IN PLACE.

Excavated soil is to be placed at a sufficiently safe distance from the excavation itself.

Warning Notices: Construction warning signage must be prominently displayed to avoid access to site areas by unauthorised persons.

Demolition – non structural - may only be carried out under supervision and with wearing of required personal protective equipment. Method statement to be prepared and approved by structural engineer and professional team.

Risk of fires caused by construction works and / or Smoking – ensure correct measures are in place for fire control to ensure no fires will break out. Fire extinguishing equipment to be readily available at all times especially during high risk activities. The smoking of cigarettes is also to be monitored and adequate smoking areas and smoking control measures to be put in place.



Use of hazardous Substances – MSDS to be available. Contractor must exercise caution as there is always a potential for fires. Suitable fire extinguisher to be in place at all times. Gloves and suitable respiratory protection must be provided and worn as well as other appropriate personal protective equipment (PPE) required by risk assessments.

Plant and Equipment – all operators must provide copies of their up to date competency and medical certificates and driver's license. Loads must be slung by person with appropriate training and competence. Daily plant inspection registers to be completed and records kept in the safety file. Valid load test certificates and record of inspections by competent personnel must be available and maintained throughout the project. Rotating amber lights and reverse alarms to be active when operating all plant on site. Plant must be effectively separated from members of public and unauthorised personnel. Use trained flag persons as applicable. Exclusion zone under lifting operations to be enforced as applicable. Particular attention must be paid to lifting operations in windy conditions.

Working at heights up to 5m – access equipment to be in safe condition and built by competent personnel and inspected on regular basis for safety as per legal requirements. Leading edge protection to be in place and safety harnesses to be worn where there is a risk of falling.

Work with services – only to be undertaken by competent persons with the appropriate PPE and training.

Lifting operations - all operators must provide copies of their up to date competency and medical certificates and driver's license. Loads must be slung by person with appropriate training and competence. Daily plant inspection registers to be completed and records kept in the safety file. Valid load test certificates and record of inspections by competent personnel must be available and maintained throughout the project. Rotating amber lights and reverse alarms to be active when operating all plant on site. Plant must be effectively separated from members of public and unauthorised personnel. Use trained flag persons as applicable. Exclusion zone under lifting operations to be enforced as applicable. Particular attention must be paid to lifting operations in windy conditions.

Other construction hazards that the contractor can reasonably expect are as follows:

Cutting Off Disc
Electric Tools and Electrical Installations
Flammable Liquids / Gas
Hand tools
Manual Handling of General Items

NOTE: Please refer to end of this Health and Safety Specification for the baseline risk assessment for these risks.

ACTIVITIES REQUIRING APPROVED METHOD STATEMENTS (FOR HEALTH AND SAFETY)

Pre-Construction Phase Method Statements

- Site establishment

Construction Phase Method Statements

- Demolition
- Working at Heights
- Dust and noise control
- Public protection
- etc



<i>ACTIVITIES REQUIRING PERMITS (FOR HEALTH AND SAFETY PURPOSES)</i>
<p>Permit to Enter Excavations: Principal Contractor to manage excavation safety.</p> <p>Permit to Work with Electricity: Principal Contractor to manage electrical work safely.</p> <p>Confined Space Permit: n/a</p> <p>Hot Works Permit: Principal Contractor to formally manage all hot works in a safe manner.</p> <p>Permit to Work under Power Lines: Principal Contractor to formally manage all works in vicinity of overhead services in a safe manner.</p> <p>Blasting: n/a</p> <p>Temporary Works: n/a.</p>
<p><i>CONTRACTOR SAFETY OFFICER PROVISION</i></p> <p>Records of safety audits undertaken by the Contractor's Safety Officer must be kept on site in the safety file and nonconformances reported by the Safety Officer to the Contractor's management team. All nonconformances identified by the Safety Officer and client's safety agent must be investigated and corrective action taken by the Contractor to prevent re-occurrence.</p> <p>Please note that as from 7th August 2018 the safety officer must be professionally registered with the SACPCMP. Proof of registration with the SACPCMP must be provided.</p> <p>If registered as a Candidate proof of mentorship and weekly visits by mentor must be available on site.</p> <p>The principal contractor must have a part time appointed safety officer in place, visiting site on at least a monthly basis.</p>
<p><i>MEDICAL CERTIFICATE OF FITNESS (ANNEXURE 3)</i></p> <p>The contractor must ensure that their employees on site have a valid medical certificate of fitness, specific to the construction work being performed, issued by an occupational health practitioner in the form of an Annexure 3 template.</p>
<p><i>MANAGEMENT AND SUPERVISION OF CONSTRUCTION WORK</i></p> <p>A principal contractor must, in writing, appoint one full-time competent person as the construction manager with the duty of managing all the construction work on a single site, including the duty of ensuring occupational health and safety compliance, and in the absence of the construction manager an alternate competent person must be appointed by the principal contractor. Proof of an all-inclusive assessment by the Principal Contractor of the Construction Manager's Competency in construction management and health and safety competency must be available in the Safety File.</p> <p>The Construction Manager, Alternate Construction Managers, Assistant Construction Managers, and designated construction supervisor/s must, as a minimum, have training in Legal Liability, Construction Regulation 2014 and the OHS Act and Regulations.</p>
<p><i>TRAFFIC MANAGEMENT AND TRAFFIC SAFETY OFFICER PROVISION</i></p> <p>Not thought to be applicable but traffic accommodation may be required at interface with public road traffic and members of public (pedestrians).</p>
<p><i>ENVIRONMENTAL CONDITIONS</i></p> <p>Contractor must take into account adverse weather conditions on site activities and implement control measures to mitigate risk. This includes risk of exposure to excessive heat, cold, rain and wind. The open nature of the site works will not preclude any of the above.</p>



ARRANGEMENTS FOR ACCESS, PARKING, DELIVERIES, ETC.

Access to site by Construction Vehicles: Off Main Road.

Access to site by Construction Workers and Visitors: As above

All service providers must sign a 37.2 Mandatory Agreement and must be inducted before they can be allowed on site.

ARRANGEMENTS FOR SITE CAMP, ABLUTIONS AND YARD

Site camp location and set up

- **Restrictions / requirements:** }
 - **Storage areas:** }
 - **Security:** }
- Contractor to advise in consultation
with Engineer / Professional Team

Ablutions and Welfare Arrangements

Contractor to supply ablutions and facilities in line with the Construction Regulations 2014, refer to section 2.31 of this health and safety specification regarding the below. Toilets should be provided with built in facilities for hand washing. Please note further that control measures form an important part of ablutions provision on site ref soap and water/hand sanitiser, signage, etc:

- **Toilets:** }
 - **Washing facilities:** }
 - **Drinking Water:** }
 - **Shelter:** }
 - **Showers:** }
- Contractor to provide as per Regulations
- Contractor to provide as per Regulations

Mobile site facilities requirements:

A mobile toilet will be required for sites that cannot facilitate a permanent location for ablution units and must be available for each gender per location.

The use of a mobile toilet must be prepared and setup correctly with additional anchors and available toiletries prior to each working day.

Toilets must be cleaned daily and be suitable for easy and hygienic use.

PROTECTION OF SITE AGAINST UNAUTHORISED ACCESS BY PUBLIC

Excavation Fencing: Note that excavations accessible to the public, or adjacent to public roads / thoroughfares, must have (1) barrier/fence at least 1m in height, and (2) warning illuminants at night or when visibility is poor, or have other suitable precautionary measures if both of these are not practicable.

Orange plastic barrier mesh fencing is to be used at the minimum during excavation.

Excavations left open are to be suitably protected if they are accessible by the public.



General Fencing of Site: Note that construction sites in built up areas adjacent to public walkway must be fenced off and have controlled access points with the correct signs to indicate the site office for any relevant enquiries. Site is walled however current boundary wall broken in some areas and will need to be repaired prior to construction

Site camp / site yard is to be fenced off with 1.8m fence panels and be access controlled.

Warning Notices: Construction warning signage must be prominently displayed to avoid unauthorised access to site and to warn of dangers associated with construction works.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

The Client requires the Contractor to ensure that employees (and others under his/her control) wear the following minimum PPE:

Overalls: Yes.

Safety Harnesses: Yes, as per contractor's risk assessment.

Hard Hats: Yes.

Reflective Vests: Yes.

Goggles / gloves / ear defenders / respiratory protection: Yes, as per contractor's risk assessment.

Safety Footwear: Yes.

Specialist Equipment (e.g. for confined Spaces): As per contractor's risk assessment

HAZARDOUS SUBSTANCES

The following materials and substances have, or may have, to be used in the works and are identified as potentially posing special health and / or safety hazards during the project. Appropriate measures will need to be specified for their control:

Diesel, Petrol, cement, paint, epoxies, etc

1.10 INTERFACE AND RESTRICTIONS BY CLIENT

Contractor must note that the following Client activities will continue during construction:

n/a

The following Client safety rules and/or requirements are to be observed:

All workers are to receive induction prior to commencement of work on site.

- All workers are to receive induction and training on the relevant risk assessments, company policies and fall protection plans prior to commencement of work on site.
- All contractor employees must undergo medicals before allowing them to carry out any work.

Other safety rules and requirements to be advised at induction.
Please also refer to tender document.



Restrictions on times, access or other restrictions by Client

Please refer to tender document.

Other restrictions may be advised at induction.

1.11 Project Close Out

The Health and Safety files for the Principal Contractors and all Contractors require closure and handover to the Client at the completion of the project in the form of a consolidated safety file. The following list is an example of what should be included but is not exhaustive. The Safety Agent or the Client may require further information at the time of completion and the Principal Contractor is to ensure that all instructions are responded to. Documentation would include all health and safety related records from the start of the project. All records to be in hard copy or electronic format and submitted to the Safety Agent for approval in adequately formatted lists and folders. Layout should be logical and in the same order as in the site files.

Consolidated Health and Safety close out file requirements include:

- Health and safety specification (most recent version)
- Principal Contractor's health and safety plan/s
- Site safety organograms
- Legal appointments
- Notification to Department of Labour of commencement of work / Construction Work Permit
- Workman's Compensation Letters of Good Standing for the project
- Full safety files for all contractors as well as their close out reports
- List of all contractors who worked on site
- Letters of safety plan approval of contractors by the Principal Contractor
- Mandatory agreements (section 37.2 agreements)
- Incident and accident records / Occupational Disease records
- Contractor Nonconformance records
- Safety agent's audit reports
- Safety Officer reports
- Method Statements
- Risk assessments
- Safe work procedures
- Medical surveillance certificates of fitness. Medical records are to be kept according to the Occupational Health and Safety Act, as amended.
- All temporary works drawings (suspended beams/scaffolds, etc.)
- Copies of test results, policies, and procedures for environmental monitoring (silica, noise, dusts, etc.)
- Detailed registers of all material used
- Copies of all Checklists completed

1.12 SAFETY FILE RETURN TO CLIENT

The consolidated Health and Safety Files for the Project is to be handed over by the Principal Contractor to the Client upon Project Completion in either hard copy or electronic format.



2.0 FURTHER REQUIREMENTS

2.1 Duties of Principal Contractor / Contractor in terms of Construction Regulations 2014

A Principal Contractor must:

- provide and demonstrate to the Client a suitable, sufficiently documented and coherent site specific health and safety plan, based on the Client's documented health and safety specifications, *which* plan must be applied from the date of commencement of and for the duration of the construction work and which must be reviewed and updated by the principal contractor as work progresses;
- open and keep on site a health and safety file, which must include all documentation required in terms of the Act and these Regulations, which must be made available on request to an inspector, the Client, the Client's Safety Agent, or a Contractor; and
- on appointing any other contractor, in order to ensure compliance with the provisions of the Act –
 - provide contractors who are tendering to perform construction work for the principal contractor, with the relevant sections of the health and safety specifications pertaining to the construction work which has to be performed;
 - ensure that potential contractors submitting tenders have made sufficient provision for health and safety measures during the construction process;
 - ensure that no contractor is appointed to perform construction work unless the principal contractor is reasonably satisfied that the contractor that he or she intends to appoint, has the necessary competencies and resources to perform the construction work safely;
 - ensure prior to work commencing on the site that every contractor is registered and in good standing with the compensation fund or with a licensed compensation insurer as contemplated in the Compensation for Occupational Injuries and Diseases Act, 1993;
 - appoint each contractor in writing for the part of the project on the construction site
 - take reasonable steps to ensure that each contractor's health and safety plan is implemented and maintained on the construction site;
 - ensure that the periodic site audits and document verification are conducted at intervals mutually agreed upon between the principal contractor and any contractor, but at least once every 30 days;
 - stop any contractor from executing construction work which is not in accordance with the Client's health and safety specifications and the principal contractor's health and safety plan for the site or which poses a threat to the health and safety of persons;
- where changes are brought about to the design and construction, make available sufficient health and safety information and appropriate resources to the contractor to execute the work safely;
- discuss and negotiate with the contractor the contents of their health and safety plan and finally approve that plan for implementation;
- ensure that a copy of both the principal contractor and contractor's health and safety plan is available on request to an employee, an inspector, a contractor, the Client, or the Client's Safety Agent;



- hand over a consolidated health and safety file to the Client upon completion of the construction work, to include a record of all drawings, designs, materials used and other similar information concerning the completed structure;
- in addition to the documentation required in the health and safety file include and make available a comprehensive and updated list of all the contractors on site accountable to the principal contractor, the agreements between the parties and the type of work being done;
- ensure that all his or her employees have a valid medical certificate of fitness specific to the construction work to be performed and issued by an occupational health practitioner in the form of Annexure 3.

A contractor must prior to performing any construction work-

- provide and demonstrate to the principal contractor a suitable and sufficiently documented health and safety plan, based on the relevant sections of the Client's health and safety specification and provided by the principal contractor, which plan must be applied from the date of commencement of and for the duration of the construction work and which must be reviewed and updated by the contractor as work progresses;
- open and keep on site a health and safety file, which must include all documentation required in terms of the Act and these Regulations, and which must be made available on request to an inspector, the Client, the Client's Safety Agent or the principal contractor;
- before appointing another contractor to perform construction work be reasonably satisfied that the contractor that he or she intends to appoint has the necessary competencies and resources to perform the construction work safely;
- co-operate with the principal contractor as far as is necessary to enable each of them to comply with the provisions of the Act;
- as far as is reasonably practicable, promptly provide the principal contractor with any information which might affect the health and safety of any person at work carrying out construction work on the site, any person who might be affected by the work of such a person at work, or which might justify a review of the health and safety plan.

Where a contractor appoints another contractor to perform construction work, the duties that apply to the principal contractor will apply to the contractor as if he or she were the principal contractor.

A principal contractor must take reasonable steps to ensure co-operation between all contractors appointed by the principal contractor to enable each of those contractors to comply with these Regulations.

No contractor may allow or permit any employee or person to enter any site unless that employee or person has undergone health and safety induction training pertaining to the hazards prevalent on the site at the time of entry.

A contractor must ensure that all visitors to a construction site undergo health and safety induction pertaining to the hazards prevalent on the site and must ensure that such visitors have the necessary personal protective equipment.

A contractor must at all times keep on his or her construction site records of the health and safety induction training and such records must be made available on request to an inspector, the Client, the Client's Safety Agent or the Principal Contractor.



A contractor must ensure that all his or her employees have a valid medical certificate of fitness specific to the construction work to be performed and issued by an occupational health practitioner in the form of Annexure 3 (a template of which can be found in the Construction Regulations, 2014).

2.2 Management and Supervision of Construction Work

A principal contractor must, in writing, appoint one full-time competent person as the construction manager with the duty of managing all the construction work on a single site, including the duty of ensuring occupational health and safety compliance, and in the absence of the construction manager an alternate must be appointed by the principal contractor. Proof of all-inclusive assessment of the Construction Manager's Competency in construction management and H & S competency must be available in the Safety File. The Construction Manager must, as a minimum, have a Construction Regulation course. No contractors may be left unsupervised on site by the principal contractor.

A principal contractor must upon having considered the size of the project, in writing appoint one or more assistant construction managers for different sections thereof: Provided that the designation of any such person does not relieve the construction manager of any personal accountability for failing in his or her management duties in terms of this regulation.

Where the construction manager has not appointed assistant construction managers, or, in the opinion of an inspector, a sufficient number of such assistant construction managers have not been appointed, that inspector must direct the construction manager in writing to appoint the number of assistant construction managers indicated by the inspector, and those assistant construction managers must be regarded as having been appointed.

No construction manager appointed in terms of the Regulations may manage any construction work on or in any construction site other than the site in respect of which he or she has been appointed.

A contractor must, after consultation with the Client and having considered the size of the project, the degree of danger likely to be encountered or the accumulation of hazards or risks on the site, appoint a full-time or part-time construction health and safety officer in writing to assist in the control of all health and safety related aspects on the site: Provided that, where the question arises as to whether a construction health and safety officer is necessary, the decision of an inspector is decisive.

No contractor may appoint a construction health and safety officer to assist in the control of health and safety related aspects on the site unless he or she is reasonably satisfied that the construction health and safety officer that he or she intends to appoint is registered with a statutory body approved by the Chief Inspector and has necessary competencies and resources to assist the contractor

A construction manager must in writing appoint construction supervisors responsible for construction activities and ensuring occupational health and safety compliance on the construction site. Proof of all-inclusive assessment of the Construction Supervisor's competency in construction supervision and H&S competency must be available in the Safety File. The Construction Supervisor must, as a minimum, have a supervision course as per Unit Standard 262845 (Civil Engineering), 119080 (Building Construction) and 262884 (Civil Engineering).

A contractor must, upon having considered the size of the project, in writing appoint one or more competent employees for different sections thereof to assist the construction supervisor, and every such employee has, to the extent clearly defined by the contractor in the letter of appointment, the same duties as the construction supervisor: Provided that the designation of such employee does not relieve the construction supervisor of any personal accountability for failing in his or her supervisory duties.

Where the contractor has not appointed such an employee, or, in the opinion of an inspector, a sufficient number of such employees have not been appointed, that inspector must instruct the employer to appoint the number of employees indicated by the inspector.



No construction supervisor appointed may supervise any construction work on or in any construction site other than the site in respect of which he or she has been appointed: Provided that if a sufficient number of competent employees have been appropriately designated on all the relevant construction sites, the appointed construction supervisor may supervise more than one site.

2.3 Notification of Intention to Commence Construction Work

The Contractor shall notify the Provincial Director of the Department of Labour of the intention to commence construction work at least 7 days prior to the works commencing if the intended construction work will:

- Include excavation work
- Include work at height where there is a risk of falling
- Include the demolition of a structure, or
- Include the use of explosives to perform construction work.

If the construction work involves construction of a single storey dwelling for a Client, and such Client will be residing in such dwelling upon completion, the contractor must also notify the Provincial Director of the Department of Labour at least 7 days before the works commence.

This must be done on a form similar to an Annexure 2 (template of which can be found in the Construction Regulations, 2014). A copy of the notification letter to the Provincial Director shall be forwarded to the Client for record purposes.

2.4 Construction Work Permit

Not thought to be applicable to this project.

2.5 Assignment of Contractor's Responsible Persons to Manage Health and Safety on Site

The Contractor shall submit management and supervisory appointments as well as any relevant appointments in writing (as stipulated by the Construction Regulations 2014 and the Occupational Safety and Health Act 1993), prior to commencement of work (refer to **Annexure B** at the end of this Health and Safety Specification).

2.6 Competency for Contractor's Responsible Persons

The Contractor's responsible persons shall be competent in health and safety and be familiar with the Occupational Health and Safety Act 1993, and applicable regulations. Valid proof of pertinent health and safety courses attended by such persons will be required to be presented to the Client.

2.7 Compensation of Occupational Injuries and Diseases Act 130 of 1993 (COIDA)

The successful Contractor shall submit to the Client a valid letter of good standing with the Compensation Insurer prior to appointment.

2.8 Occupational Health and Safety Policy

The Contractor shall submit their Health and Safety Policy, prior to construction commencement, signed by the Chief Executive Officer. The Policy must outline objectives and how they will be achieved and implemented within the company operations. The Policy must be communicated to all employees and proof thereof must be available in the Safety File.

2.9 Health and Safety Organogram

The Contractor shall submit an organogram, prior to construction commencement, outlining the Health and Safety Site Team that will be assigned to the project, if successful with the tender. In cases where



appointments have not been made, the organogram shall reflect the position. The organogram shall be updated when there is a change in the site team.

2.10 Risk Assessments

Baseline Risk Assessment

The Client shall cause a baseline risk assessment to be conducted by a competent person before the design process and tender process commence, and the assessed risks shall form part of the health and safety specifications.

The Contractor must, before commencement of any construction work, and during construction work, have risk assessments performed by a competent person appointed in writing, which risk assessments form part of the health and safety plan to be applied on the site and must include:

- The identification of the risks and hazards to which persons may be exposed to;
- An analysis and evaluation of the risks and hazards identified; based on a documented method
- A documented plan and applicable safe work procedures to mitigate, reduce or control the risks and hazards that have been identified;
- A monitoring plan; and
- A review plan

The Contractor must ensure that, as far as is reasonably practicable, ergonomic related hazards are analysed, evaluated, and addressed in a risk assessment.

The Contractor must ensure that all employees under his control are informed, instructed and trained by a competent person regarding any hazard and the related work procedures and/or control measures **before any work commences** and thereafter **at the times determined in the risk assessment monitoring and review plan of the relevant site.**

The Principal Contractor must ensure that all contractors are informed regarding any hazard that is stipulated in the risk assessment **before any work commences** and thereafter **at the times determined in the risk assessment monitoring and review plan of the relevant site.**

The Contractor must consult with the health and safety committee or with a representative trade union or representative group of employees if no health and safety committee exists, on the monitoring and review of the risk assessments for the site.

The Contractor must ensure that copies of risk assessment for this site are available on site for inspection purposes by interested parties (inspector, the Client, Client's Safety Agent, any contractor, any employee, a representative trade union, a health and safety representative or safety committee member.

A Contractor must review the relevant risk assessment where changes are effected to the design and/or construction that result in a change to the risk profile, or when an incident has occurred.

Preventative measures must first address the elimination of the hazard or risk. Should PPE be required to reduce risk, the equipment or clothing to be used must be SABS approved.

In general, the Contractor must ensure that the Risk Assessment involves identifying the hazards present in a work activity on site. This is followed by an evaluation of the extent of the risk involved taking into account those precautions already being taken.

The following general principle should be followed when conducting a risk assessment:

- All relevant risks and/or hazards should be systematically addressed;
- The risk assessment should address what actually happens in the workplace during the work activity;



- All employees and those who may be affected must be considered, including maintenance staff, security guards, visitors, and Contractors;
- The risk assessment should highlight those groups and individuals who may be required to work alone or who have disabilities;
- The risk assessment process should take into account the existing safety measures and controls.
- The level of detail on a risk assessment should be appropriate to the level of risk.

2.11 Health and Safety Representative(s)

The Contractor shall ensure that Health and Safety Representative(s) is/are elected and trained to carry out his / her functions. The Safety Representative(s) must be democratically nominated, elected, and appointed in writing. The Health and Safety Representative(s) shall carry out regular inspections, keep records and report to the supervisor to take appropriate action. The Safety Representative(s) shall attend Health and Safety Committee Meetings. The Health and Safety Representative shall be part of the team that will investigate incidents, accidents, and non-conformances. The Safety Representative(s) must be (a) full time employee(s) who is/are acquainted with conditions and activities at that workplace or section thereof. The Safety Representatives must have Safety Representative training and must be capable of performing their duties.

2.12 Health and Safety Committee

Where two or more health and safety representatives have been appointed on site, the Contractor shall ensure that monthly health and safety meetings are held with such representatives and minutes are kept on record. Meetings must be organized and chaired by the Contractor's Health and Safety Committee Chairperson. Minutes of these meetings must be available for the employees of the contractor to refer to.

PLEASE NOTE THAT THE SAFETY AGENT MAY REQUIRE THAT THE PRINCIPAL CONTRACTOR CONVENES A SAFETY COMMITTEE MEETING ON SITE IN THE INTERESTS OF HEALTH AND SAFETY ON SITE. SUCH COMMITTEE MEETING MAY REQUIRE ATTENDANCE OF CONTRACTORS SAFETY OFFICERS/SAFETY REPRESENTATIVES, CONSTRUCTION SUPERVISION AND THE SAFETY AGENT.

2.13 Medical Certificate of Fitness

The contractor must ensure that their employees on site have a valid medical certificate of fitness, specific to the construction work being performed, issued by an occupational health practitioner in the form of an Annexure 3 template (refer to the Construction Regulations 2014 on the Department of Labour website for a sample of this form).

Employees required to perform work at heights or from fall risk position must be medically fit to perform such work, such employee's medicals must specify "Fall Risk" or "Working at heights" in the exposure section of the annexure 3 template.

2.14 Health and Safety Training

The Contractor shall quarterly conduct a training needs analysis to ascertain what health and safety training is required. A plan of action should be devised and forwarded to the Client for records. Once the identified people have attended the training, the Contractor must provide the Client with copies of certificates obtained.

2.14.1 Induction

No Contractor may allow or permit any employee or person to enter site unless they have undergone health and safety induction training pertaining to the hazards prevalent on site at the time of entry. This includes



visitors to site. The Contractor must ensure that visitors to site have the necessary protective equipment (PPE). A copy of attendance registers of all employees who attend inductions shall be kept.

2.14.2 Awareness

The Contractor shall conduct periodic toolbox talks on site, weekly or before any hazardous work takes place. The talks shall cover the relevant activity and an attendance register must be signed by all attendees. This record of who attended and the content of the topic will be kept on the site health and safety file as evidence of training.

2.15 Competency

After the Contractor has identified the training to be conducted as part of the competency requirement, and based on Risk Assessment, he shall send the relevant persons on appropriate courses and keep certificates of training for reference. Familiarity with the Health and Safety Act and Regulations is an integral part of the definition of competence. All training must be conducted by an accredited training provider and the certificates must display the applicable unit standards and the expiry dates thereof.

2.16 General Record Keeping

The Contractor shall keep and maintain Health and Safety records to demonstrate compliance with the Health and Safety Specification and the Occupational Health and Safety Act. The contractor shall ensure that all records of incidents, spot fines, training, etc. are kept on site. All documents shall be available for inspection by the Client, or the Department of Labour's Inspectors.

2.17 General Inspection, Monitoring and Reporting

The Contractor shall carry out inspections as required by this Health and Safety Specification, as well as by health and safety legislation.

2.18 Emergency Procedures

The 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:

- List of key personnel;
- Details of emergency services;
- Actions or steps to be taken in the event of the emergency; and
- Information on hazardous materials / situations, including each material's hazardous potential impact or risk on the environment or human and measures to be taken in the event of an accident.

Emergency procedure(s) shall include, but shall not be limited to, fire, spills, accidents to employees, use of hazardous substances, dangers as a result of riot / service delivery protests / intimidation, etc. The Contractor shall advise the Client in writing of any on-site emergencies, together with a record of action taken, within 24 hours of the emergency occurring. A contact list of all service providers (Fire Department, Ambulance, Police, Medical and Hospital, etc.) must be maintained and available to site personnel.

2.19 First Aid Box and First Aid Equipment

The Contractor shall provide first aid box/es and appoint, in writing, First Aider(s) for this project in line with the results of the Contractor's risk assessment for the project, this health and safety specification as well as the provisions of the General Safety Regulations. The appointed First Aider(s) are to be sent for accredited first aid training before starting on site. Valid certificates are to be kept on site.

- First Aid box/es must be adequately stocked at all times, accessible and be controlled by a qualified First Aider.



- Perishables to be checked and replaced when expired.
- Stock per content list as per the General Safety Regulations Annexure.
- Signage to be in place.
- To be numbered and sealed with name of first aider on or above the First aid box.
- Dressing logbook to be available in the first aid box.
- If more than 5 employees are present, there must be a first aid box available.
- Register to be checked by a Competent person.

If required by the Client, the Contractor shall have a stretcher on site to be used in case of a serious incident.

2.20 Accident / Incident Reporting and Investigation

The Contractor shall, in addition to the prescribed requirements of the Occupational Health and Safety Act and General Safety Regulations, investigate, record, and report all Section 24 reportable incidents to the Client within 24 hours of the incident occurring. Incident investigations shall be conducted by the Contractor's appointed Accident Investigator – this Investigator must be a competent person or persons who have sufficient knowledge to carry out an investigation.

In the event of a fatality or a permanent disabling injury the Contractor must submit proof of reporting of incident to Department of Labour as well as proof of preventative measures to the Client. The Client reserves the right to conduct investigations into any incidents that they deem fit and the Contractor is required to provide full co-operation in this regard.

2.21 Hazards and Potential Situations

The Contractor shall immediately notify other Contractors of any hazardous or potentially hazardous situations, which may arise during performance of the activities.

2.22 Occupational Health and Safety Signage

The Contractor shall ascertain and provide adequate on site health and safety signage. This signage shall include, but shall not be limited to, Hard Hat / Helmet Area; Safety Shoes to be worn on site; Dust Masks to be worn in areas where there might be exposure to excessive dust; Ear Plugs / Muffs to be worn where there might be noise exposure over 85 dB; Gloves; Safety Goggles; Safety Harness, Workers in Excavation, traffic management, etc. The Contractor shall be responsible to maintain the quality and replacement of signage. Signage must comply with the requirements of SABS.

2.23 Management of Contractors by Principal Contractor

The Principal Contractor shall ensure that all contractors under his control are complying with the respective Health and Safety Plans, as well as Health and Safety Legislation.

2.24 Stacking of Materials

In addition to the provisions for the stacking of articles in the General Safety Regulations, 2003, the contractor must ensure that –

- a competent person is appointed in writing with the duty of supervising all stacking and storage on a construction site;
- adequate storage areas are provided;
- there are demarcated storage areas; and
- storage areas are kept neat and under control.



2.25 Housekeeping and General Safeguarding on Construction Sites

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

- the proper storage of materials and equipment;
- the removal of scrap, waste and debris at appropriate intervals;
- ensuring that materials required for use, are not placed on the site so as to obstruct means of access to and egress from workplaces and passageways;
- ensuring that materials which are no longer required for use, do not accumulate on and are removed from the site at appropriate intervals;
- ensuring that waste and debris are not disposed of from a high place with a chute, unless the chute complies with the requirements set out in the regulations;
- ensuring that construction sites in built-up areas adjacent to a public way are suitably and sufficiently fenced off and provided with controlled access points to prevent the entry of unauthorized persons; and
- ensuring that a catch platform or net is erected above an entrance or passageway or above a place where persons work or pass under or fencing off the danger area if work is being performed above such entrance, passageway, or place so as to ensure that all persons are kept safe in the case of danger or possibility of persons being struck by falling objects.

2.26 Construction Vehicles and Mobile Plant

A contractor must ensure that all construction vehicles and mobile plant-

- are of an acceptable design and construction;
- are maintained in a good working order;
- are used in accordance with their design and the intention for which they were designed, having due regard to safety and health;
- are operated by a person who-
 - has received appropriate training, is certified competent and in possession of proof of competency and is authorised in writing to operate those construction vehicles and mobile plant;
 - has a medical certificate of fitness to operate those construction vehicles and mobile plant, issued by an occupational health practitioner in the form of Annexure 3.
- have safe and suitable means of access and egress;
- are properly organized and controlled in any work situation by providing adequate signalling or other control arrangements to guard against the dangers relating to the movement of vehicles and plant, in order to ensure their continued safe operation;
- are prevented from falling into excavations, water, or any other area lower than the working surface by installing adequate edge protection, which may include guard-rails and crash barriers;
- are fitted with structures designed to protect the operator from falling material or from being crushed should the vehicle or mobile plant overturn;
- are equipped with an acoustic warning device which can be activated by the operator;
- are equipped with an automatic acoustic reversing alarm;
- are equipped with fire extinguishers (2.5 – 4.5 kg); and
- are inspected by the authorised operator or driver on a daily basis using a relevant checklist prior to use and that the findings of such inspection are recorded in a register kept in the construction vehicle or mobile plant.

A contractor must ensure that-

- no person rides or is required or permitted to ride on a construction vehicle or mobile plant otherwise than in a safe place provided thereon for that purpose;
- every construction site is organized in such a way that, as far as is reasonably practicable, pedestrians and vehicles can move safely and without risks to health;



- the traffic routes are suitable for the persons, construction vehicles or mobile plant using them, are sufficient in number, in suitable positions and of sufficient size;
- every traffic route is, where necessary, indicated by suitable signs;
- all construction vehicles and mobile plant left unattended at night, adjacent to a public road in normal use or adjacent to construction areas where work is in progress, have appropriate lights or reflectors, or barricades equipped with appropriate lights or reflectors, in order to identify the location of the vehicles or plant;
- all construction vehicles or mobile plant when not in use, have buckets, booms, or similar appendages, fully lowered, or blocked, controls in a neutral position, motors stopped, wheels chocked, brakes set, and ignition secured;
- whenever visibility conditions warrant additional lighting, all mobile plant are equipped with at least two headlights and two taillights when in operation;
- tools, material, and equipment are secured and separated by means of a physical barrier in order to prevent movement when transported in the same compartment with employees;
- vehicles used to transport employees have seats firmly secured and adequate for the number of employees to be carried; and
- all construction vehicles or mobile plant travelling, working, or operating on public roads comply with the requirements of the National Road Traffic Act, 1996.
- all plant and vehicles are to be fitted with amber rotating beacons and reverse alarms.
- ALL construction site vehicles must be inspected daily especially if it has dangerous "items" (fuel, explosives, etc.) on vehicle, completed inspection registers must also be available for inspection.
- the vehicles must resemble the original manufacturer's product. Levers, alarms, and amber lights to be fitted to construction vehicle for notification of vehicle.
- fire extinguishers, signage, and licence disc to be correctly mounted and displayed.
- when the vehicle is stationary no key to be left in or on vehicle or plant.
- Drip tray must be present when stationary.

2.27 Electrical Installations and Machinery on Construction Sites

A contractor must, in addition to compliance with the Electrical Installation Regulations and the Electrical Machinery Regulations, ensure that –

- before construction commences and during the progress thereof, adequate steps are taken to ascertain the presence of and guard against danger to workers from any electrical cable or apparatus which is under, over or on the site;
- all parts of electrical installations and machinery are of adequate strength to withstand the working conditions on construction sites;
- the control of all temporary electrical installations on the construction site is designated to a competent person who has been appointed in writing for that purpose;
- all temporary electrical installations used by the contractor are inspected at least once a week by a competent person and the inspection findings are recorded in a register kept on the construction site; and
- all electrical machinery is inspected by the authorized operator or user on a daily basis using a relevant checklist prior to use and the inspection findings are recorded in a register kept on the construction site.

2.28 Use and Temporary Storage of Flammable Liquids on Construction Sites

A contractor must, in addition to compliance with the provisions for the use and storage of flammable liquids in the General Safety Regulations, 2003, ensure that –

- where flammable liquids are being used, applied, or stored at the workplace concerned, it is done in a manner that does not cause a fire or explosion hazard, and that the workplace is effectively ventilated;
- no person smokes in any place in which flammable liquid is used or stored, and the contractor must affix a suitable and conspicuous notice at all entrances to any such areas prohibiting such



smoking;

- an adequate amount of efficient fire-fighting equipment is installed in suitable locations around the flammable liquids store with the recognized symbolic signs;
- only the quantity of flammable liquid needed for work on one day is taken out of the store for use;
- all containers holding flammable liquids are kept tightly closed when not in actual use and, after their contents have been used up, are removed from the construction site and safely disposed of;
- where flammable liquids are decanted, the metal containers are bonded and earthed; and
- no flammable material, including cotton waste, paper, cleaning rags or similar material is stored together with flammable liquids
- proper containers are to be used for fuel. Marked and labelled as per the content.
- diesel on site; more than 800 litres must have a certificate, fire safe certificate. Locked in a ventilated, secure area with a drip tray and have a designated, responsible person to use it.

2.29 Water environments

Not thought to be applicable to this project.

2.30 Fire precautions on Construction Sites

A contractor must, in addition to compliance with the Environmental Regulations for Workplaces, 1987, ensure that –

- all appropriate measures are taken to avoid the risk of fire;
- sufficient and suitable storage is provided for flammable liquids, solids, and gases;
- smoking is prohibited and notices in this regard are prominently displayed in all places containing readily combustible or flammable materials;
- in confined spaces and other places in which flammable gases, vapours or dust can cause danger-
 - only suitably protected electrical installations and equipment, including portable lights, are used;
 - there are no flames or similar means of ignition;
 - there are conspicuous notices prohibiting smoking;
 - oily rags, waste, and other substances liable to ignite are without delay removed to a safe place; and
 - adequate ventilation is provided;
- combustible materials do not accumulate on the construction site;
- welding, flame cutting, and other hot work are done only after appropriate precautions have been taken to reduce the risk of fire;
- suitable and sufficient fire-extinguishing equipment is placed at strategic locations or as may be recommended by the Fire Chief or local authority concerned, and that such equipment is maintained in a good working order;
- the fire equipment contemplated above is inspected by a competent person, who has been appointed in writing for that purpose, in the manner indicated by the manufacturer thereof;
- a sufficient number of workers are trained in the use of fire-extinguishing equipment;
- where appropriate, suitable visual signs are provided to clearly indicate the escape routes in the case of a fire;
- the means of escape is kept clear at all times;
- there is an effective evacuation plan providing for all -
 - persons to be evacuated speedily without panic;
 - persons to be accounted for; and
 - plant and processes to be shut down; and
- a siren is installed and sounded in the event of a fire.



2.31 Construction Employees' Facilities

A contractor must, in terms of the Construction Regulations 2014, provide:

- Shower facilities after consultation with the employees or employees' representatives, or at least one shower facility for every 15 persons;
- at least one sanitary facility for each sex and for every 30 workers;
- Toilets to be within walking distance
- Hygiene registers to be completed
- Proof of safe disposal of effluent waste disposal certificates to be obtained
- changing facilities for each sex;
- and sheltered/shaded eating area.
- Protection from the Elements and raised off the ground.
- Every employer shall provide sanitary facilities at the workplace in accordance with the provisions of Parts F, P and Q of the National Building Regulations.
- Sufficient clean water for all employees. 500ml to each employee every hour.

A contractor must provide reasonable and suitable living accommodation for the workers at construction sites who are far removed from their homes and where adequate transportation between the site and their homes, or other suitable living accommodation, is not available.

2.32 Fall protection – 4 to 5 m

The Contractor must:

- designate a competent person to be responsible for the preparation of a fall protection plan
- ensure that the fall protection plan contemplated above is implemented, amended where and when necessary and maintained as required; and
- take steps to ensure continued adherence to the fall protection plan.

A fall protection plan contemplated above must include-

- a risk assessment of all work carried out from a fall risk position and the procedures and methods used to address all the risks identified per location;
- the processes for the evaluation of the employees' medical fitness necessary to work at a fall risk position and the records thereof;
- a programme for the training of employees working from a fall risk position and the records thereof;
- the procedure addressing the inspection, testing, and maintenance of all fall protection equipment; and
- a rescue plan detailing the necessary procedure, personnel and suitable equipment required to effect a rescue of a person in the event of a fall incident to ensure that the rescue procedure is implemented immediately following the incident.

A contractor must ensure that a construction manager appointed under regulation 8(1) is in possession of the most recently updated version of the fall protection plan.

A contractor must ensure that all unprotected openings in floors, edges, slabs, hatchways, and stairways are adequately guarded, fenced, or barricaded or that similar means are used to safeguard any person from falling through such openings;

Also that no person is required to work in a fall risk position, unless such work is performed safely as contemplated in above and fall prevention and fall arrest equipment are approved as suitable and of sufficient strength for the purpose for which they are being used, having regard to the work being carried out and the load, including any person, they are intended to bear; and securely attached to a structure or plant, and the structure of plant and the means of attachment thereto are suitable and of sufficient



strength and stability for the purpose of safely supporting the equipment and person who could fall, and fall arrest equipment is used only where it is not reasonably practicable to use fall prevention equipment.

2.33 Temporary works

Not thought to be applicable to this project.

2.34 Excavation

A Contractor must-

- ensure that all excavation work is carried out under the supervision of a competent person who has been appointed in writing for that purpose; and
- evaluate, as far as is reasonably practicable, the stability of the ground before excavation work begins.

A Contractor who performs excavation work-

- must take reasonable and sufficient steps in order to prevent, as far as is reasonably practicable, any person from being buried or trapped by a fall or dislodgement of material in an excavation;
- may not require or permit any person to work in an excavation which has not been adequately shored or braced: Provided that shoring and bracing may not be necessary where-
 - the sides of the excavation are sloped to at least the maximum angle of repose measured relative to the horizontal plane; or
 - such an excavation is in stable material: Provided that-
 - permission has been given in writing by the appointed competent person contemplated above upon evaluation by him or her of the site conditions; and
 - where any uncertainty pertaining to the stability of the soil still exists, the decision from a professional engineer or a professional technologist competent in excavations is decisive and such a decision must be noted in writing and signed by both the competent person and the professional engineer or technologist, as the case may be;
- must take steps to ensure that the shoring or bracing contemplated above is designed and constructed in a manner that renders it strong enough to support the sides of the excavation in question;
- must ensure that no load, material, plant or equipment is placed or moved near the edge of any excavation where it may cause its collapse and consequently endangers the safety of any person, unless precautions such as the provision of sufficient and suitable shoring or bracing are taken to prevent the sides from collapsing;
- must ensure that where the stability of an adjoining building, structure or road is likely to be affected by the making of an excavation, steps are taken to ensure the stability of such building, structure or road and the safety of persons;
- must cause convenient and safe means of access to be provided to every excavation in which persons are required to work, and such access may not be further than six metres from the point where any worker within the excavation is working;
- must ascertain, as far as is reasonably practicable, the location and nature of electricity, water, gas or other similar services which may in any way be affected by the work to be performed, and must before the commencement of excavation work that may affect any such service, take the steps that are necessary to render the circumstances safe for all persons involved;
- must ensure that every excavation, including all bracing and shoring, is inspected-
 - daily, prior to the commencement of each shift;
 - after every blasting operation;
 - after an unexpected fall of ground;
 - after damage to supports; and
 - after rain,

by the competent person, in order to ensure the safety of the excavation and of persons, and those results must be recorded in a register kept on site and made available on request to an inspector, the Client, the Client's Safety Agent, any other Contractor or any employee;

- must cause every excavation which is accessible to the public or which is adjacent to public roads or thoroughfares, or whereby the safety of persons may be endangered, to be –
 - adequately protected by a barrier or fence of at least one metre in height and as close to the excavation as is practicable; and
 - provided with warning illuminants or any other clearly visible boundary indicators at night or when visibility is poor, or have resort to any other suitable and sufficient precautionary measure where this is not practicable;
- must ensure that all precautionary measures stipulated for confined spaces as determined in the General Safety Regulations, 2003, are complied with by any person entering any excavation;
- must, where the excavation work involves the use of explosives, appoint a competent person in the use of explosives for excavation, and must ensure that a method statement is developed by that person in accordance with the applicable explosive's legislation; and
- must cause warning signs to be positioned next to an excavation within which or where persons are working or carrying out inspections or tests.

2.35 Demolition Work

A contractor must appoint a competent person in writing to supervise and control all demolition work on site.

A contractor must ensure that before any demolition work is carried out, and in order to ascertain the method of demolition to be used, a detailed structural engineering survey of the structure to be demolished is carried out by a competent person and that a method statement on the procedure to be followed in demolishing the structure is developed by that person.

During a demolition, the competent person contemplated in above must check the structural integrity of the structure at intervals determined in the method statement contemplated in above, in order to avoid any premature collapses.

A contractor who performs demolition work must with regard to a structure being demolished, take steps to ensure that-

- no floor, roof or other part of the structure is overloaded with debris or material in a manner which would render it unsafe;
- all reasonably practicable precautions are taken to avoid the danger of the structure collapsing when any part of the framing of a framed or partly framed building is removed, or when reinforced concrete is cut; and
- precautions are taken in the form of adequate shoring or other means that may be necessary to prevent the accidental collapse of any part of the structure or adjoining structure;
- ensure that no person works under overhanging material or a structure which has not been adequately supported, shored, or braced;
- ensure that any support, shoring, or bracing contemplated above, is designed and constructed so that it is strong enough to support the overhanging material;
- where the stability of an adjoining building, structure or road is likely to be affected by demolition work on a structure, take steps to ensure the stability of such structure or road and the safety of persons;
- ascertain as far as is reasonably practicable the location and nature of electricity, water, gas or other similar services which may in any way be affected by the work to be performed, and must before the commencement of demolition work that may affect any such service, take the steps that are necessary to render circumstances safe for all persons involved;
- cause every stairwell used and every floor where work is being performed in a building being demolished, to be adequately illuminated by either natural or artificial means;
- cause convenient and safe means of access to be provided to every part of the demolition site in which persons are required to work; and
- erect a catch platform or net above an entrance or passageway or above a place where persons work or pass under or fence off the danger areas if work is being performed above such entrance,



passageway, or place so as to ensure that all persons are kept safe where there is a danger or possibility of persons being struck by falling objects.

A contractor must ensure that no material is dropped to any point, which falls outside the exterior walls of the structure, unless the area is effectively protected.

No person may dispose of waste and debris from a high place by a chute unless the chute-

- is adequately constructed and rigidly fastened;
- if inclined at an angle of more than 45 degrees to the horizontal, is enclosed on its four sides;
- if of the open type, is inclined at an angle of less than 45 degrees to the horizontal;
- where necessary, is fitted with a gate at the bottom end to control the flow of material; and discharges into a container or an enclosed area surrounded by barriers.

A contractor must ensure that every chute used to dispose of rubble is designed in such a manner that rubble does not free-fall and that the chute is strong enough to withstand the force of the debris travelling along the chute.

A contractor must ensure that no equipment is used on floors or working surfaces unless such floors or surfaces are of sufficient strength to support the imposed loads.

Where a risk assessment indicates the presence of asbestos, a contractor must ensure that all asbestos related work is conducted in accordance with the Asbestos Abatement Regulations, 2020.

A contractor must ensure that all waste and debris are as soon as reasonably practicable removed and disposed of from the site in accordance with the applicable legislation.

2.36 Tunnelling

Not thought to be applicable to this project.

2.37 Scaffolding

A contractor must appoint a competent person in writing to ensure that all scaffolding work operations are carried out under their direct supervision. This appointed person must verify that all scaffold erectors, team leaders, and inspectors are competent to carry out their work in accordance with the SANS 10085-1:2024 standard. The competency of these individuals must be validated through recognised training and certification programs.

A contractor using access scaffolding must ensure that the scaffolding, when in use, complies with the safety standards as specified in the SANS 10085-1:2024 and relevant regulations under section 44 of the Occupational Health and Safety Act. The following specific requirements must be adhered to:

- **Level and Balanced Footing:**

Scaffolding must be level and balanced on the correct footing, including the use of base jacks, U-jacks, or mobile wheels, as specified in SANS 10085-1:2024. Regular inspections must confirm that the scaffold remains level and stable, with all footings securely in place and adjusted as necessary.

- **Ledgers and Bracing:**

Scaffolding frames and standards must be secured using appropriate ledgers and bracing methods. These must be installed in accordance with the design specifications and the guidelines in SANS 10085-1:2024 to ensure full stabilisation against lateral forces.



- **Platform Boarding and Edge Protection:**

All working platforms must be fully boarded and equipped with the correct edge protection, including guardrails and toe boards, as required by SANS 10085-1:2024. Platforms should be securely fastened, ensuring no gaps that could pose a fall hazard.

- **Platform Load Capacity:**

Working platforms must adhere to the load classifications specified in Table 6 of SANS 10085-1:2024. Contractors must ensure that no platform is overloaded beyond its designated capacity, and that load distribution is even across the scaffold structure.

- **Access Points:**

The scaffold must include proper access points, such as ladders or stairways, integrated within the scaffold structure. These access points must comply with SANS 10085-1:2024 requirements. While trap doors are optional, safe access to working platforms must be ensured.

- **Securing the Scaffold:**

Scaffolding must be secured using appropriate fastening methods, such as reveal ties and fixed ties, in accordance with SANS 10085-1:2024. Where necessary, buttresses must be employed to ensure stability, particularly in high-wind areas or when the scaffold height exceeds the limits specified by the standard.

- **Signage:**

Clearly visible signage must be displayed on the scaffold to indicate safe load limits, user restrictions, and other critical safety information as required by SANS 10085-1:2024. The signage should reflect the scaffold's current safety status following each inspection or modification.

Please note that there must be evidence of frequent scaffold inspections based on the risk profile of this project (at least once a week).

2.38 Bulk mixing plant

Not thought to be applicable.

2.39 Rope Access Work

Not thought to be applicable to this project.

2.40 Hazardous Chemical Substances (HCS)

In addition to the requirements in the HCS Regulations, the principal contractor must provide proof in the Health and Safety Plan that:

- Material Safety Data Sheets (MSDS's) of the relevant materials / hazardous chemical substances are available prior to use by the contractor. All MSDS's shall be available for inspection by the agent at all times.
- Risk assessments are done at least once every 6 months.
- Exposure monitoring is done according to OESSM and by an Approved Inspection Authority (AIA) and that the medical surveillance programme is based on the outcomes of the exposure monitoring.
- How the relevant HCS's are being/going to be controlled by referring to:
 - Limiting the amount of HCS
 - Limiting the number of employees



- Limiting the period of exposure
- Substituting the HCS
- Using engineering controls
- Using appropriate written work procedures
- The correct PPE is being used.
- HCS are stored and transported according to SABS 072 and 0228.
- Training with regards to these regulations was given.

The Health and Safety plan should make reference to the disposal of hazardous waste on classified sites and the location thereof (where applicable).

The First Aider must be made aware of the MSDS and trained in how to treat HCS incidents appropriately.

2.41 Noise Induced Hearing Loss

Where noise is identified as a hazard the requirements of the NIHL regulations must be complied with and the following must be included / referred to in the Health and Safety Plan:

- Proof of training with regards to these regulations.
- Risk assessment done within 1 month of commencement of work.
- That monitoring carried out by an AIA and done according to SABS 083.
- Medical surveillance programme established and maintained for the necessary employees.
- Control of noise by referring to:
 - Engineering methods considered
 - Admin control (number of employees exposed) considered
 - Personal protective equipment considered/decided on
- Describe how records are going to be kept for 40 years.

2.42 Explosives and Blasting

Not thought to be applicable to this project.

2.43 Personal Protective Equipment (PPE)

The Contractor shall carry out PPE or clothing needs analysis in accordance with his risk assessment, to determine the necessary PPE or clothing to be used during construction. The Contractor shall make provision to keep adequate quantities of appropriate, SABS approved PPE or clothing on site at all times.

The Contractor must ensure that personnel are trained in the correct use of PPE to be used.

The Contractor must ensure that lost, stolen, worn out or damaged PPE is replaced as required and receipt signed for by employees on site.

2.44 Asbestos - Existing gutters and rain water pipes are asbestos and will need to be professionally removed and disposed of.

The Contractor shall ensure that all asbestos work is done only by registered "Asbestos Contractor" as prescribed by the Asbestos Abatement Regulations, 2020 and in accordance with said Regulations. The Contractor shall submit an Asbestos Certificate from Department of Labour which refer to the prescribed requirements. The Contractor shall notify the Client if there are any asbestos materials encountered on site that have not been advised to be present on site by the Client or Professional Team.



"asbestos clearance certificate" means a written document verifying that the regulated asbestos fibre concentration in the air meets the clearance indicator;

"type 1 asbestos work" means:

(a) painting of asbestos cement products in a manner that does not require surface preparation and does not cause the release of asbestos fibres; or

(b) the removal of less than 10 square metres of asbestos cement products or equivalent gutters and piping or asbestos insulating board, where removal work may not be repeated on the same site within a period of six months; and does not require registration as a registered asbestos contractor with the chief inspector;

"type 2 asbestos work" means:

(a) the repair or encapsulation of asbestos cement products in a manner that does not require surface preparation; or

(b) the removal of asbestos cement products or asbestos insulating board; and, requires registration as a type 2 registered asbestos contractor with the chief inspector;

"type 3 asbestos work" means:

(a) the removal, repair or encapsulation of any asbestos and asbestos-containing material; and, requires registration as a type 3 registered asbestos contractor with the chief inspector;

Besides the requirements listed above, should asbestos be identified as a hazard at the workplace, the contractor must, as per AAR 2020, include the following in the health and safety plan/file and must be implemented on site:

- An asbestos risk assessment must be carried out, as far as is reasonably practicable, immediately by a competent person and thereafter at intervals not exceeding 24 months.
- If asbestos-containing materials are identified a written asbestos management plan for the workplace must be prepared by a competent person.
- Train Employees, visitors and persons who may have incidental asbestos exposure to asbestos.
- The Chief Director: Provincial Operations must be notified as per the Annexure 2 when asbestos work will be done, at least seven days prior to commencement of work.
- The contractor may only undertake the type of asbestos work for which they are registered by the chief inspector.
- Must appoint an occupational health and safety representative as contemplated in section 17 of the Act.
- Submit the approved plan of work to the Chief Director: Provincial Operations at least seven days prior to commencement of asbestos work.
- Appoint an asbestos removal supervisor for each asbestos work site.
- Adhere to the repair or removal methodology and associated control measures provided in the plan of work approved for that specific asbestos work.
- Ensure that the employee medical and training records are available on site for inspection and validation.
- Keep employee information for a minimum period of 50 years.
- For type 2 and type 3 asbestos work, ensure that air monitoring is in place.
- All asbestos contractor employees must be put under medical surveillance.
- Close off all asbestos containing or affected areas.
- The contractor must provide the required PPE, washing facilities and decontamination facilities as per the type of asbestos work.
- A document must be obtained from the asbestos disposal site for all asbestos waste removed from the workplace; all asbestos waste is disposed of only on sites specifically designated for this purpose
- When all asbestos is removed an inspection must be done by and approved inspection authority and an asbestos clearance certificate issued.
- Comply with the Prohibitions in regulation 24.



2.45 Pressure Vessels (Including Gas Bottles)

The Contractor shall comply with Pressure Vessel Regulations, including:

- Providing competency and awareness training to the operators;
- Providing PPE or clothing;
- Providing and maintain appropriate signage in areas where pressure vessels are used, as applicable;
- Inspect equipment regularly and keep records of inspections;
- Providing appropriate firefighting equipment (Fire Extinguishers).
- Under pressure vessels to have the following in place;
 - Service date
 - Seals on valves with no leaks and not broken
 - flash arrestors
 - Should be stored and chained together
 - Oxygen / Acetylene bottles to have clips
 - Signage to be visible
 - Gauges in working condition and be visible
 - Permits for use
 - Pressure equip Regs 6. (1) The user shall ensure that the pressure equipment is operated and maintained within its design and operating parameters.

2.46 Fire Extinguishers and Fire Fighting Equipment

The Contractor shall provide adequate, regularly serviced fire extinguishers located at strategic points on site. The Contractor shall keep spare serviced portable fire extinguishers. The Contractor shall have adequate persons trained or competent to use the Fire Fighting Equipment.

Safety signage shall be posted up in all areas where fire extinguishers are located.

2.47 Lifting Machinery and Tackle

The Contractor shall ensure that lifting machinery and tackle is inspected before use and on a monthly basis. The Contractor shall have lifting machinery and tackle inspector who will inspect the equipment at intervals required by the Driven Machinery Regulations, taking into account that:

- All lifting machinery and tackle have a safe working load clearly indicated
- Regular inspection and servicing is carried out
- Records are kept of inspections and of service certificates
- Thorough examinations are carried out by competent personnel at the frequencies required by legislation
- There is proper supervision in terms of guiding the loads which includes a trained banks man to direct and check lifting tackle if it is safe for use
- Forklift to be inspected every year and lift plan every 2 years
- Load test certificate to be no older than 6 months
- Sufficient props to be used and max weight to be displayed
- Slings to be checked with regard to integrity, chains, serial numbers, checked for tears, cuts links and all other materials
- Hooks to be oiled, not in a fixed position and closed to prevent materials from slipping/falling off
- Lifting equipment must be used for the scope of work carried out

2.48 Ladders and Ladder work

The Contractor shall ensure that all ladders are numbered and inspected regularly keeping record of inspections. It should be noted that Aluminium ladders are preferred to wooden ladders.



2.49 General Machinery

The Contractor shall comply with the Driven Machinery Regulations, which include inspecting machinery regularly, appointing a competent person to inspect and ensure maintenance, issuing PPE or clothing and training those that use machinery and enforce compliance.

2.50 Portable Electrical Tools

The Contractor shall ensure that use and storage of all explosive actuating fastening devices and portable electrical tools are in compliance with relevant legislation.

The Contractor shall consider that:

- A competent person undertakes routine inspections;
- Only authorised persons use the tools;
- There are safe working procedures applied;
- Awareness training is carried out and compliance is enforced at all times; and
- PPE and clothing is provided and maintained.

2.51 High Voltage Electrical Equipment

The Contractor shall ensure that, where the work is under, on or near high-voltage electrical equipment the Electrical Installation Regulations, together with safety instructions (Regulations of the Owner of the Equipment) are complied with. Such equipment includes:

- Eskom and the Local Authority equipment
- The Contractor's own power supply; and
- Electrical equipment being installed but not yet taken over from a Contractor by The Client.

2.52 Public Health and Safety

The Contractor shall ensure that each person working on or visiting a site, and the surrounding community, shall be made aware of the dangers likely to arise from onsite activities and the precautions to be observed to avoid or minimize those dangers. Appropriate health and safety signage shall be posted at all times.

2.53 Night Work

Not thought to be applicable to this project.

2.54 Environmental Conditions and Flora and Fauna

The Contractor must be mindful of adverse weather conditions upon the health and safety of the workforce. This includes inclement weather, strong wind, heat stress, extreme cold, etc. The Contractor's risk assessment process must take into account the risks associated with such weather conditions. The same is true when working in an environment where there is a risk to employees' health and safety from presence of poisonous flora, or wildlife (including bees, snakes, etc). The Contractor's risk assessment process must take these risks into account.

2.55 Occupational Health

Exposure of workers to occupational health hazards and risks are quite common in any work environment, especially in construction. Occupational health hazards and risks exposure is a major problem and all Contractors are to ensure that proper health and hygiene measures are put in place to prevent exposure to these hazards and risks.

The occupational hazards and risks may enter the body in three ways:



- Inhalation through breathing e.g. cement dust;
- Ingestion through swallowing maybe through food intake;
- Absorption through the skin (pores) e.g. painting or use of thinners.

The contractor is required to ensure that all his personnel are medically fit prior to being allowed onto the work site.

All Contractors should ensure that Occupational Hygiene surveys are conducted as per the Occupational Health and Safety Act to ensure employees are not exposed to hazards. Risk Assessments should identify areas where surveys are to be conducted.

2.56 Suspended Platforms

Not thought to be applicable to this project.

2.57 Material Hoists

Not thought to be applicable to this project.

2.58 Explosive Actuated Fastening Device

No contractor may use or permit any person to use an explosive actuated fastening device, unless-

- the user is provided with and uses suitable protective equipment;
- the user is trained in the operation, maintenance and use of such a device
- the explosive actuated fastening device is provided with a protective guard around the muzzle end, which effectively confines any flying fragments or particles; and
- the firing mechanism is so designed that the explosive actuated fastening device, will not function unless-
 - it is held against the surface with a force of at least twice its weight; and
 - the angle of inclination of the barrel to the work surface is not more than 15 degrees from a right angle.

A contractor must ensure that-

- only cartridges suited for the relevant explosive actuated fastening device, and the work to be performed, are used;
- an explosive actuated fastening device is cleaned and examined daily before use and as often as may be necessary for its safe operation by a competent person who has been appointed for that purpose;
- the safety devices of an explosive actuated fastening device are in good working order prior to use;
- when not in use, an explosive actuated fastening device and its cartridges are locked up in a safe place, which is inaccessible to unauthorized persons;
- an explosive actuated fastening device is not stored in a loaded condition;
- a warning notice is displayed in a conspicuous manner in the immediate vicinity wherever an explosive actuated fastening device is used; and
- the issuing and collection of cartridges and nails or studs of an explosive actuated fastening device are-
 - controlled and done in writing by a person having been appointed in writing for that purpose; and
 - recorded in a register by a competent person and that the recipient has accordingly signed for the receipt thereof as well as the returning of any spent and unspent cartridges.



2.59 Confined Spaces

Not thought to be applicable to this project.

2.60 Alcohol and drugs (GSR 2)

1. A contractor shall not permit any person who is or who appears to be under the influence of intoxicating liquor or drugs, to enter or remain at a site.
2. No employee shall be under the influence of or have in his or her possession or partake of or offer any other person intoxicating liquor or drugs.
3. An employer or a user, as the case may be, shall, in the case where a person is taking medicines, only allow such person to perform duties at the site if the side effects of such medicine do not constitute a threat to the health or safety of the person concerned or other persons at such site.

2.61 General Practices when Working at Heights

- No Homemade structures or ladders will be permitted on the project.
- Trestle tables are not to be fully extended and must be fully boarded, no drums to be used.
- Surroundings to be clear of rubble.
- Fall protection, fall prevention, and fall rescue plans to be in place and communicated to site employees.
- Ladders to be structurally sound and not broken and in accordance to GSR 13A.
- Only competent persons may be allowed to work at heights
- Correct personal protective equipment to be used (safety harness and lanyard) and edge protection / life lines to be used.
- Anchor points to be in place and determined by an engineer. Anchor points must be pull tested prior to use.
- GSR (6) 6. No employer shall require or permit any person to work in an elevated position and no person shall work in an elevated position, unless such work is performed safely from a ladder or scaffolding, or from a position where such person has been made as safe as if they were working from scaffolding.
- Construction regulation 10 of 2014 to be implemented when working at heights and to prevent any person from falling from heights.
- Employees required to perform work at heights or from fall risk position must be medically fit to perform such work, such employee's medicals must specify "Fall Risk" or "Working at heights" in the exposure section of the annexure 3 template.

2.62 Traffic Accommodation

Not thought to be applicable to this project.

2.63 Ventilation and Lighting in the Work Place

Every employer shall cause every workplace in his undertaking to be lighted in accordance with the illuminance values specified in the Schedule to the General Safety Regulations:

Provided that where specialised lighting is necessary for the performance of any particular type of work, irrespective of whether that type of work is listed in the Schedule or not, the employer of those employees who perform such work shall ensure that such specialised lighting is available to and is used by such employees.



The Contractor must ensure that:

- the average illuminance at any floor level in a workplace within five meters of a task is not less than one fifth of the average illuminance on that task;
- glare in any workplace is reduced to a level that does not impair vision;
- lighting on rotating machinery in such that the hazard of stroboscopic effects is eliminated; and
- luminaires and lamps are kept clean and, when defective, are replaced or repaired forthwith.

With a view to the emergency evacuation of indoor workplaces without natural lighting or in which persons habitually work at night, every employer shall, in such workplaces, provide emergency sources of lighting which are such that, when activated, an illuminance of not less than 0.3 lux is obtained at floor level to enable employees to evacuate such workplaces: Provided that where it is necessary to stop machinery or shut down plant or processes before evacuating the workplace, or where dangerous materials are present or dangerous processes are carried out, the illuminance shall be not less than 20 lux.

The contractor must ensure that the emergency sources of lighting prescribed above:

- are capable of being activated within 15 seconds of the failure of the lighting prescribed by subregulation (1);
- will last long enough to ensure the safe evacuation of all indoor workplaces;
- are kept in good working order and tested for efficient operation at intervals of not more than three months; and
- where directional luminaires are installed, these are mounted at a height of not less than two meters above floor level and are not aimed between 10° above and 45° below the horizontal line on which they are installed.

The contractor must ensure that all rooms, stairways, passageways, gangways, basements, and other places where danger may exist through lack of natural light, to be lighted such that it will be safe.

The contractor must ensure that every workplace in his undertaking is ventilated either by natural or mechanical means in such a way that –

- the air breathed by employees does not endanger their safety;
- the time-weighted average concentration of carbon dioxide therein, taken over an eight-hour period, does not exceed one half per cent by volume of air;
- the carbon dioxide content thereof does not at any time exceed three per cent by volume of air;
- the prescribed exposure limits for airborne substances therein are not exceeded; and
- the concentration therein of any explosive or flammable gas, vapour or dust does not exceed the lower explosive limit of that gas, vapour, or dust.

2.64 Nuclear Density Gauge (Troxler)

Not thought to be applicable to this project.

2.65 Ergonomics Regulation of 2019

"competent person" in relation to ergonomics, means a person who– (a) has in respect of the work or task to be performed the required knowledge, training and experience in ergonomics and, where applicable, qualifications specific to ergonomics: provided that where appropriate qualifications and training are registered in terms of the provisions of the National Qualifications Framework Act, 2008 (Act No. 67 of 2008), those qualifications and that training must be regarded as the required qualifications and training; and (b) is familiar with the Act and the applicable regulations made under the Act;

"ergonomic risk" means a characteristic or action in the workplace, workplace conditions, or a combination thereof that may impair overall system performance and human well-being;



"ergonomic risk assessment" means a programme, process, or investigation to identify, analyse, value and prioritise any risk from exposure to ergonomic risks associated with the workplace;

"ergonomics" means the scientific discipline concerned with the fundamental understanding of interactions among humans and other elements of a system, and the profession that applies theory, principles, data and methods to design in order to optimise human well-being and overall system performance;

The ergonomics regulations will apply to any employer or self-employed person who carries out work at the workplace who may expose any person to an ergonomic risk in the work place and any designer, manufacturer, importer or supplier of machinery, plant, or work systems for the work place.

An employer must, before the commencement of any work that may expose employees to ergonomic risks, have an ergonomic risk assessment performed by a competent person.

The ergonomic risk assessment must be done at intervals not exceeding two years and must include the following;

- a complete hazard identification and all persons who may be affected by the ergonomic risk.
- how employees may be affected by the ergonomic risks;
- the analysis and evaluation of the ergonomic risks;
- the prioritisation of ergonomic risks.

An employer must review the relevant ergonomic risk assessment if:

- such assessment is no longer valid;
- control measures are no longer effective;
- technological or scientific advances allow for more effective control methods;
- there has been a change in –
 - the work methods;
 - the type of work carried out; or
 - the type of equipment used to control the exposure; and
 - an incident occurs or medical surveillance reveals an adverse health effect, where ergonomic risks are identified as a contributing factor.

An employer must ensure that an employee is placed under medical surveillance, which is overseen by an occupational medicine practitioner, if–

- the ergonomic risk assessment referred to in regulation 6 indicates the need for the employee to be placed under medical surveillance; or
- an occupational health practitioner recommends that relevant employees must be under Medical surveillance, in which case the employer may call upon an occupational medicine practitioner to ratify the appropriateness of such recommendation.

An employer must ensure that the medical surveillance consists of–

- in the case of a new employee, an initial health examination before the employee commences employment or within 30 days of commencement of such employment;
- a periodic health examination informed by the ergonomic risk assessment, at intervals specified by an occupational medicine practitioner, but not exceeding two years; and
- an exit health examination informed by the ergonomic risk assessment.

Both the Client and the Contractor have a duty in terms of health and safety legislation to do all that is reasonably practicable to make members of the public and others being affected by the construction processes aware of possible risks and put preventative measures in place to mitigate the risks. The public and/or visitors shall go through a brief health and safety induction detailing hazards and risks they may be exposed to and what measures are in place to control these hazards and risks.



OTHER HEALTH AND SAFETY SPECIFICATION REQUIREMENTS

The contractor must be aware of the following additional requirements:

What	When	Output
Awareness training (Toolbox Talks)	At least weekly and before hazardous work is carried out	Attendance Register
Health and Safety Committee Meetings	Monthly	Minutes signed by the employer (Contractor) covering: a) Health and Safety Representative Checklist b) Safety report from Safety Officer and Safety Agent
Health and Safety Reports	Monthly	Report covering: a) Incidents/Accidents and Investigations b) Non-conformance c) Health and Safety Training d) HIRA Updates e) Internal and External Audits
General Inspections	As per Health and Safety Specification and OHSA	Report on Health and Safety Specification and OHSA compliance: a) Scaffolding b) Lifting Machinery c) Excavation
General Inspections	Monthly	Covering: a) Firefighting Equipment b) Portable Electrical Equipment c) Ladders
Record keeping	Ongoing	Covering: a) General complaints b) Fines c) General incidents d) MSDS e) Surveillance Medicals f) Inspection Register g) Dept of Labour Notices
Permits	Before commencement with certain activities	As stipulated by the Health and Safety Specification and the OHSA / Construction Regulations

Key:

OHSA – Occupational Health and Safety Act, 1993



ANNEXURE A – REQUIREMENTS FOR THE SAFETY PLAN ASSESSMENT

The Contractor must note that the information below is pertinent to the compilation of their safety plan response to this site-specific safety specification and it would be preferred if the Safety Plan is written in the order of the assessment documented below.

No	Item	Notes
1	Project Directory	Please state details of Project Client, Project Manager/Principal Agent, Safety Agent, Consulting Engineer, etc. (Name, address, contact details).
2	Contractors Directory	Please indicate if you will be using Contractors on this project, if yes, include their details, trade, and FEM details.
3	Other Parties Directory	Please indicate contact details for any services applicable (electricity, water, etc.) as well as Department of Labour and Emergency Services.
4	Project Safety Statement	The Project Safety Statement must be included in the Safety Plan.
5	Health and Safety standards for the project (OHS Act, construction regulations, basic conditions of employment, etc.)	Health and Safety standards must be included in the Safety Plan.
6	Project Particulars	Scope of works must be included in the Safety Plan. This is critical.
7	Existing environment – Structures and Surroundings, Services (Electrical, Water, Sewerage, etc.), Traffic Arrangements, Parking, Access to Site, Storage of Plant and Materials	Please include these items in the plan. The items must be Site Specific, the location of services and services that will be affected must be mentioned.
8	Management Structure for safety on the Project	A structured organogram with names of the responsible people must be included.
9	Appointed Persons, Supervision	The required appointments must be identified. A list of the appointed persons must be included in the Safety Plan.
10	Security Procedures	Please indicate if a security company will be appointed and include the contact information in the Safety Plan.
11	Registers list and inspection frequency	A list of the Inspection Registers that will be on file must be included in the Safety Plan.
12	Design Co-ordination	Please indicate your procedure for implementation of design changes by designer on the project, and the procedures for liaison and implementation of temporary works design on the project.
13	Contractor Co-ordination	Mention must be made of how Contractors will be co-ordinated on site to ensure that they work together and not adversely affected health and safety.



No	Item	Notes
14	Housekeeping, stacking and storage	Housekeeping policies and procedures must be included in the Safety Plan.
15	Waste Disposal Arrangements	Waste disposal arrangements procedures must be included in the Safety Plan.
16	Noise and dust control	Please indicate if any noisy operations (more than 85 decibels) will be carried out and what measures will be used to reduce noise exposure to workforce.
17	Training Requirements	Training requirements must be identified and recorded.
18	Plant and Equipment	A list of plant and equipment to be used on site must be included in the Safety Plan.
19	Safety Monitoring Arrangements	The name, contact details and SACPCMP registration status of the Safety Officer must be included in the Safety Plan. State how often the Safety officer will be on site (note safety specification requirement in section 1.7).
20	Information for Contractors	State how information will be given to Contractors on site.
21	Consultation/communication arrangements with Employees	State how information will be given to employees e.g. notice board.
22	Selection of Contractors Procedures	Principal contractor must state what health and safety procedures they will use to assess the competence and resources of their contractors on site.
23	Activities with risk to Health and Safety (Risk Assessment)	A Baseline Risk Assessment must be included in the Safety Plan, it must address the Risks identified in the Safety Specification as well as the risk of any other hazards that the Principal Contractor is aware of that are relevant to the site.
24	Hazardous Substances	Must be listed in the Safety Plan and addressed in the Risk Assessment.
25	First Aid and Medical Procedures	Please indicate name of first aider, position of first aid box, location of nearest medical facility and emergency numbers.
26	Fire and Emergency Procedures	List of emergency telephone numbers must be drawn up and included in the Safety Plan. The position of Fire Extinguishers, Assembly Point location, fire drill frequencies, numbers of fire marshals, etc.
27	Accident and Incident Reporting and investigation	State the Accident and Incident Reporting and investigation procedures of your company.
28	Welfare and Site Facilities	Elaborate on toilets and eating areas, water provision, how will workers be protected during wet weather conditions etc.
29	Site Rules	The Site Rules must be included in the Safety Plan.
30	Personal Protective Equipment	The necessity must be identified by Risk Assessments, the required PPE for site risks and control measures.
31	Health & Safety File arrangements	Please indicate arrangements for the return of the Health and Safety File to the safety agent at the end of the project.



No	Item	Notes
32	Method Statements/Safe System of Works	A list of Method Statements/Safe System of Works must be included in Safety Plan for all High-risk activities.
33	Permits and wayleaves	List of activities that Principal Contractor anticipates will require permits and wayleaves (including those stated in the safety specification) to be included.
34	Fall Prevention and Protection Plan and Fall Rescue Plan	A copy of the Fall Prevention and Protection Plan, fall rescue plan and fall risk assessment must be included in the Safety Plan.
35	Demolition method statement	A copy of the Demolition Method Statement must be included in the Safety Plan.
36	Confined spaces	The Principal Contractors' procedures for managing access, egress and work in confined spaces must be specified in the Safety Plan. Includes permit procedures, air monitoring, PPE, etc.
37	Safety Representatives and Safety Committees	When a project has more than 20 employees a designated employee must be chosen by the labourers to represent them. A safety committee must be established if 2 or more safety representatives are appointed. Please note Safety Specification requirements regarding this section (section 2.12).
38	Have the significant hazards from the safety specification been addressed?	See section 1.9 of the Specifications and ensure practical measures have been detailed in the safety plan.
39	Safety File - Safety Policies in File and Signed by 16(1) CEO.	Safety Policies must be signed and explained to employees.
40	Safety File - A copy of the valid Letter of Good standing from FEM / Workman's Compensation must be on file.	A copy of the valid Letter of Good standing from FEM / Workman's Compensation must be on file.
41	Safety File - Signed copy of the 37.2 Mandatary Agreement	A 37.2 Mandatary Agreement needs to be signed between the Client and the Principal Contractor.
42	Safety File - Appointment letter from Client (as well as 5.1.K)	The Client must appoint the Principal Contractor in writing.
43	Safety File – Notification / Permit	A copy of the Annexure 2 Notification (and proof of submission) to Department of Labour must be available. This can be in the form of a Department stamp, email, or copy of Construction Work Permit.



ANNEXURE B – LEGAL APPOINTMENTS	
The contractor shall make the following appointments, as required:	
Chief Executive Officer (OSH Act 16(1))	
Contract Director/Manager (OSH Act 16(2))	
Construction Manager (CR 8(1))	
Construction Supervisor (CR 8(7))	
Assistant Construction Supervisor (CR 8(8))	
Construction Safety Officer (CR 8(5))	
Traffic Safety Officer	
Safety Representative (where > 20 employees on site)	
Temporary work Designer (CR 12(1))	
Temporary work Supervisor (CR12(2))	
Construction risk assessor (CR 9(1))	
Excavation Supervisor (CR13(1)(a))	
Demolition Supervisor (CR14(1))	
Scaffold Supervisor (CR16(1))	
Suspended Platform Supervisor (CR17(1))	
Material Hoist Inspector (CR19(8)(a))	
Material Hoist Operator (CR19(6))	
Bulk Mixing Plant Supervisor (CR20(1))	
Bulk Mixing Plant Operator (CR20(2))	
Controller of Explosive Actuated Fastening Devices Nails, Cartridges or Studs Issue and Collection (CR21(2)(g)(1))	
Construction Vehicle and Mobile Plant Operator (CR23(1)(d)(i))	
Controller of Temporary Electrical Installations (CR24(c))	
Stacking Supervisor (CR28(a))	
Fire Extinguishing Equipment Inspector (CR29(h))	
Fall Protection Plan Developer (CR 10(1)(a))	
Incident Investigator (OSH Act 9(2))	
Competent Person – Confined Spaces (GAR 5(1))	



ANNEXURE C - BASELINE RISK ASSESSMENT FOR PROJECT

Irrespective of the risk presented on site, it will be ensured that sufficient supervision is in place on site, that personnel are trained in accordance with legislation, including the requirement for site specific inductions on site to inform personnel on site of the risks and hazards applicable to the site. Site supervision is responsible for ensuring that the control measures required below are implemented on site.

	HAZARD	RISK	MINIMUM CONTROL MEASURES
1.	Asbestos Products	Release of asbestos fibres	<ul style="list-style-type: none"> Ensure safe access and egress is provided Erect physical barriers to prevent entry by unauthorised persons, as applicable damp down exposed area to contain fibre release Personnel involved to wear asbestos respiratory protection Exclusion zone may be required Only Department of Labour registered asbestos contractors may work with asbestos, and strictly in accordance with the requirements of the Asbestos Regulations.
2.	Bricklaying	Caustic contamination with mortar Contact with sharp bladed tools	<ul style="list-style-type: none"> Use only trained personnel Safe means of access to be provided Safe/Suitable working platform required where working at height PPE for mortar to include gloves where practicable and goggles/ masks where there is a risk of contamination
3.	Compacting and Filling	Contact with tipping materials Contact with moving plant Vehicles/personnel falling into excavations Contact with underground services	<ul style="list-style-type: none"> Trained banksman to control vehicles movement Only trained personnel use plant Personal Protective Equipment to be worn Personnel to stand clear as materials are being tipped Use stop blocks and signs to warn vehicles of excavations, where applicable Stand clear of plant whilst materials are being compacted Establish position of underground services and protect services from damage
4.	Compactor Operations	Crushing of feet	<ul style="list-style-type: none"> Only trained and competent personnel to use the machine Ensure operative wears steel toe cap shoes or boots at all times
5.	Crime and security	Injury to employees during protest action, criminality, intimidation	<ul style="list-style-type: none"> Workers to be vigilant for signs of security threats Contractor must have contingency plan in place for emergency evacuation of site Emergency numbers for police and security to be on hand Report incidents of vandalism, damage and intimidation on site to site management immediately
6.	Cutting Off Disc	Noise Cuts from machine Fire (particularly at refuelling) Flying debris Blade shattering Contamination by fume created or exhaust fume	<ul style="list-style-type: none"> Use competent personnel. Hot works control- fire extinguisher, fire watchman. (Permit may be required) PPE to include gloves, eye protection, hearing protection Solid working position. Clear working area Correct grade of blade must be used. Good ventilation to be provided (forced if necessary). Changing of wheels to be by competent persons only Cut off discs must not be used for grinding (grinding disc thicker) Bystanders to wear hearing protection, as applicable
7.	Demolition	Falling materials Premature collapse of structure	<ul style="list-style-type: none"> Ensure there is a current method statement in place Ensure all emergency procedures are in place and all details are displayed Ensure that structural demolition has been approved by



	HAZARD	RISK	MINIMUM CONTROL MEASURES
			<p>the designer and site management</p> <ul style="list-style-type: none"> Personnel must be competent Ensure at all times there is a safe means of access and egress All personnel must wear suitable and sufficient Personal Protective Equipment, including head, eye and skin protection
8.	Electrical Commissioning	Electric shock	<ul style="list-style-type: none"> Personnel to comply with permits to work issued by Client Personal protective equipment to be worn by employees to prevent electric shock First aid treatment to be readily available Only competent and trained persons may decommission or commission electrical equipment
9.	Electric Tools and Electrical Installations	Electric shock Fire	<ul style="list-style-type: none"> Electric tools and installations to be in good condition Inspect electric tools before use Do not use electric tools in wet/damp conditions Use personal protective equipment such as insulated gloves Electrical installations register to be maintained, inspected by competent person
10.	Excavations (Working in and around)	Toxic fumes Collapse of trench walls/trapping Falling into excavation Collapse of adjacent structures	<ul style="list-style-type: none"> Deep excavations / monitor air for toxic fumes Prevent collapse by battering back sides to a safe angle or install temporary support Protect vehicles from falling into excavations – provide barriers, signage, etc. as necessary Beware of undermining of other structures (e.g. buildings, scaffolds) Record excavation inspections by competent person on daily basis Provide suitable means of access/egress in case of emergency. Excavations formed by explosives must be accompanied by method statement approved by Client
11.	Explosive Actuated Fastening Devices	Noise Being struck by cartridge or fixing	<ul style="list-style-type: none"> Operators to be trained, competent and wear appropriate protective equipment, e.g. goggles, gloves, ear defenders, head protection. Cartridge gun to be in good condition, inspected for damage and faults regularly and results entered into register Used and unused cartridges and cartridge gun should be kept in secure place when not in use, maintain register for return and issue.
12.	Fire	Injuries to workers, pedestrians, residents, road users, damage to property through fire	<ul style="list-style-type: none"> No littering on site which could become fire hazard, maintain site in clean condition. No fires to be lit on site. Have a working fire extinguisher at hand at all times. No smoking or naked flame near flammable substances or in unauthorised areas Ensure proper storage/use of Petrol/diesel/flammable substances – post warning notices
13.	Flammable Liquids and Gases (Use of)	Fire Explosion	<ul style="list-style-type: none"> No littering on site which could become fire hazard, maintain site in clean condition. Have a working fire extinguisher at hand at all times. No smoking or naked flame near flammable substances or in unauthorised areas Ensure proper storage/use of Petrol/diesel/flammable substances – post warning notices Equipment must be in good condition, maintained Personnel using substances must be trained in safe use and risks



	HAZARD	RISK	MINIMUM CONTROL MEASURES
14.	Hand tools	Injuries caused by use of hand tool Impact with the tool Falls due to access problems Contamination with substance being worked	<ul style="list-style-type: none"> • Ensure: • Tool is correct for job • Tool is in good order and suitably sharp • Personnel must be competent/instructed in tool usage and tool safely • Lighting is sufficient • Access is safe, working platform is secure, leading edge is guarded • Operative is wearing all necessary PPE
15.	Hazardous Substances	Injuries to workers through use of hazardous substances, e.g. injuries to eyes, skin, etc.	<ul style="list-style-type: none"> • Use substances in accordance with data sheet, particularly reference protective clothing required (example: gloves, goggles, etc.) • Know what First Aid measures are • Have welfare facilities available for washing of hands, etc.
16.	Hot Works	Burns to eyes or other parts of the body	<ul style="list-style-type: none"> • Personal Protective Equipment to include eye, skin, and hearing protection • Respirator maybe be required where cutting galvanized steel or anywhere else toxic fumes and gases arise. Dust can also be a problem and forced ventilation may be required.
17.	Lifting Operations	Falling material Crushing by materials Hand injuries to the slinger Toppling crane	<ul style="list-style-type: none"> • Check test certificate • Check examination certificate • Check inspection have been carried out • Check certificates for lifting equipment (chains, slings, shackles, etc.) • Ensure lifting gear is rated to carry load (SWL) • Ensure materials being lifted are properly packaged and slung. • Be aware that there should be a minimum clearance of 600mm between any slewing parts of a crane and any fixed installation to prevent being trapped. • Access to the work area during lifting operations is to be restricted to those involved with and trained in the work in hand. Do not allow members of the public to gain access to the area. • Only trained banksmen to be used. • The crane driver and the banksman are to ensure that the signals given are clearly understood.
18.	Manual Handling of General Items	Muscular skeletal injuries if the load is too heavy or awkward Operative falling/ tripping Contamination from the substance being carried Fall of material being carried	<ul style="list-style-type: none"> • Personnel should be aware of safe manual handling techniques • Personnel to wear Personal Protective Equipment when carrying items, e.g. safety footwear and gloves. • Ensure good housekeeping against tripping/fall hazards. • Operative to get assistance if load too heavy- team lift if necessary. • Utilise mechanical lifting and carrying aids where possible. • Personnel to ensure access equipment, ladders will take weight of operative and load being carried. • Personnel to ensure item being carried is properly bonded or is not be liable to break apart whilst being manually handled.
19.	Members of Public – Protection of	Injury to member of public and road users from site works	<ul style="list-style-type: none"> • Barriers and signage to be in place • Workers must warn away any members of public from the works • Footpaths and bridges which are open to public must be closed off if in area of works or otherwise made safe so that no injury occurs to members of public • Traffic turning into site – traffic management and signage as required. • Signage to be on road at site entrance warning motorists that construction traffic turning into/out of



	HAZARD	RISK	MINIMUM CONTROL MEASURES
			<ul style="list-style-type: none"> site access. Keep roads free of mud where possible Refer to plant risk assessment for details on plant safety precautions NOTE: SIGNAGE TO BE POSTED ON SITE TO WARN OF CONSTRUCTION TRAFFIC MOVEMENTS. SAFE MEANS OF ACCESS FOR BOTH CONSTRUCTION TRAFFIC TO SITE AND PRIVATE HOMEOWNERS MUST BE AGREED.
20.	Mobile Crane Erection and Dismantling and Use	Collapse of structure Overturning of structure Falling materials	<ul style="list-style-type: none"> Ensure emergency procedures are in place and all operative are aware of the details Only use trained and competent operators for the erection and dismantling and use of cranes Ensure crane driver is trained and holds certification as proof. Must have valid medical certificate of fitness. Ensure there is safe means of access available at all times Ensure the mobile crane driver has 360° vision if not ensure a fully trained banksman is used Banksman to wear reflector vest to identify himself to the crane driver Ensure all personnel wear suitable and sufficient personal protective equipment Consider creating exclusion areas
21.	Noise and Dust	Breathing in dust can cause long term health problems, noise can damage hearing	<ul style="list-style-type: none"> Wear respiratory and hearing protection Dampen down and minimise dust where possible.
22.	Overhead Services (Working near)	Contact with live services causing injury to personnel Damage caused to services	<ul style="list-style-type: none"> Maintain safe clearance levels Establish presence of any services via proper walk through survey of site and/or means of service drawings Wear personal protective clothing Ensure height of plant/vehicles does not compromise or exceed clearance levels for overhead services Obtain information on clearance levels from service provider
23.	Painting	Contact with paint	<ul style="list-style-type: none"> Refer to safety data sheet for usage instructions, hazards and precautions required. When working at height, refer to risk assessment addressing this hazard below.
24.	Paving (Laying)	Impact injuries from tile / mallet Caustic burns Sore knees Cuts from cutter	<ul style="list-style-type: none"> Impervious gloves to be worn/ barrier cream to be used Kneelers or similar to be available Personal protective equipment to be worn – for example if saw used to cut pavers
25.	Plant or Vehicles and Equipment Operation	Workers injured by passing traffic Road users and pedestrians at risk from plant operation Noise	<ul style="list-style-type: none"> Implement traffic protection measures Trained and competent operators must be used Check plant and vehicles on daily basis before use and record inspections. Maintain vehicles in safe condition. Medical certificates of fitness required for construction plant. Crossing of road by construction vehicles or machines must be limited to the practical minimum Plant and vehicles must be fitted with amber rotating beacons and reverse alarms. Wear appropriate protective clothing/equipment, e.g. goggles, gloves, ear defenders, etc. as appropriate.
26.	Plastering	Falling materials Fall from height Contact with materials	<ul style="list-style-type: none"> Ensure standard safety procedures are followed Ensure there is a safe working area Ensure safe access and egress Ensure competent personnel are used
27.	Plumbing	Falling material	<ul style="list-style-type: none"> Ensure standard safety procedures are followed at all



	HAZARD	RISK	MINIMUM CONTROL MEASURES
		Falling from height Fire Burns Exposure to lead fumes	<ul style="list-style-type: none"> times Only used trained and competent personnel Ensure there is a safe working area at all times Ensure materials are stored neatly Ensure there is safe access and egress at all times Ensure all personnel wear suitable and sufficient personal protective equipment Consider a hot works permit system prior to commencing any hot works Make sure emergency procedures are in place and ensure all personnel are aware of where to go in case of a fire
28.	Road Working – working in or next to road	Injury to workers caused by passing traffic Injury to road users and pedestrians by works	<ul style="list-style-type: none"> Flagmen to be used where interface with construction plant with passers-by or where hazard posed by delivery vehicles turning into/out of site. Traffic management plan to be approved by Municipality and, if necessary, traffic department No construction activities to commence until adequate provision made to accommodate traffic in accordance with the South African Traffic Signs Manual. Use safety signage to warn traffic and pedestrians of construction works Where existing walk ways/pavements affected by works, must direct pedestrian traffic away to safe walking area. Wear reflective waistcoats when working on or near the road or road shoulder as well as any other required personal protective clothing. Crossing of road by personnel must be limited to the practical minimum Use of fencing or other barriers as appropriate
29.	Scaffold Erection/ Dismantling	Personnel falling from a height Items of scaffold falling onto personnel Scaffold collapsing onto those below	<p>Ensure</p> <ul style="list-style-type: none"> scaffold is designed to take the imposed loads scaffolding is constructed properly and in accordance with SANS10085 scaffold is not overloaded scaffolders are fully trained scaffolding is regularly checked by competent person and record of inspection retained. Written inspections to be recorded on weekly basis scaffolders must adhere to the safe systems of work. all fall arrest equipment to be checked and certified in good working order that ALL understand the safe system of work
30.	Site Strip	Overturning Vehicles	<ul style="list-style-type: none"> Follow standard safety procedures Only use trained and competent personnel Ensure there is a suitable and safe means of access and egress Ensure banksman used when required Ensure all personnel wear suitable reflector vests as required
31.	Steel Fixing	Back injuries caused by manual handling Eye injuries from tie wire Trips / falls Falling from height	<ul style="list-style-type: none"> PPE must include safety boots and goggles Manual handling training may be required Care to be taken when working near overhead lines Use only trained personnel Provide safe means of access Maintain and regularly inspect all lifting appliances and equipment Cap starter bars to prevent injuries where feasible Construct scaffold walk ways to cross reinforcing mesh, as required
32.	Tower (Mobile Aluminium Tower) Scaffold	Over Turning Falls	<ul style="list-style-type: none"> Tower to be on firm level ground with wheels or feet properly supported. Height not to exceed 3 times the base dimension. i.e.



	HAZARD	RISK	MINIMUM CONTROL MEASURES
			<p>2x3m Base Tower not exceed 6m.</p> <ul style="list-style-type: none"> Erection by competent person Inspection before first use Weekly record of inspection required Guard rails and Toe boards as per normal scaffolds Beware when moving of overhead obstructions, such as power lines Never move in strong winds
33.	Underground Services	Striking of buried services	<ul style="list-style-type: none"> Make all necessary enquiries to establish what services are in the area. Consult drawings and advice from service provider (e.g. Municipality or ESKOM) when planning work. Assume all service to be live (Unless confirmation is received to confirm that services are isolated or otherwise made safe). Do not work near live services without authorisation from site management. Comply with the requirements of the safe system of work for underground services. Where available, locate services with a locator Hand dig around services
34.	Working at Height	<p>Personnel falling form height</p> <p>Falling debris</p> <p>Those beneath being injured</p>	<ul style="list-style-type: none"> All access equipment is properly constructed (inspections record must be maintained) Only trained personnel construct, dismantle or control the access equipment All access equipment must have full toe boards and guardrails - comply with SANS 10085 on erection, use and dismantling of scaffolding No access equipment may be loaded above the level of the guardrail No access equipment to be loaded above its safe working load Where work involves leaning out on an open leading edge, then all personnel are to be fitted with full body harness. The harness must be connected at all times All fall arrest equipment to be correctly maintained Ensure if ladders are being used for access, they are either footed or tied. Also, the ladder must be set at the correct level of 1 in 4 or approximately 75°



**ANNEXURE D – SAFETY SPECIFICATION AND BASELINE RISK ASSESSMENT
ISSUE REGISTER**

Date of Original Safety Specification Compilation	Compiled By	Issue Date
July 2025	Mark Winter	3 rd July 2025

Revision Summary	Revised By	Revision Date

Acknowledgement:

I, _____ representing
_____(Contractor), have satisfied
myself with the content of this Health and Safety Specification and shall ensure that our employees
and contractors on site comply with the requirements of this document, our safety documentation and
health and safety legislation.

Signature of Contractor

Date

Comments:
