



**higher education
& training**

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA



**WATERBERG
TVET COLLEGE**

Together ensuring success

CENTRAL OFFICE

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BID DOCUMENT

CONSTRUCTION OF A NEW FEEDS STORAGE FOR WATERBERG TVET COLLEGE ROOIVAAL FARM

**BID NUMBER:
WTC-F/FS01/21**

**CLOSING DATE AND TIME:
17 MAY 2021 AT 11:00**

1. BACKGROUND

Waterberg Technical and Vocational Education and Training (TVET) College is looking for a Construction industry development board (CIDB) registered company for the Construction of the new feeds storage at Rooivaal Farm.

Interested bidders are hereby invited to submit their bids for the Construction of the new feeds storage at Rooivaal farm.

2. SCOPE OF WORK SUMMARY

An existing feed storage is to be demolished and replaced with a new one. The feed storage to be demolished consists of a steel structural frames and a corrugated iron roof. Dimensions are detailed in the BOQ attached.

The scope of work includes the following:

2.1 Excavation

Excavation in earth or controlled gravel filling not exceeding 2m deep

2.2 Working space excavation

Back excavation of vertical sides of excavation in controlled gravel not exceeding 500mm deep for working space, including backfilling compacted to 93% Mod AASHTO density

2.3 Filling etc.

Earth filling obtained from the excavations and /or prescribed stock pile on site, compacted to 93% Mod AASHTO density

2.4 Reinforce concrete cast against excavated surfaces

25MPa/19mm concrete
Slab & bases

2.5 Foundations

Brickwork of NFX bricks (14 MPa nominal compressive strength) in class 1 mortar

2.6 Brickwork Sundries

150mm wide reinforcement built in horizontally

2.7 Roof covering etc.

0.66mm IBR profile Z275 spelter galvanised steel troughed sheeting with "Chromadek" finish on one side, in single lengths fixed to timber purlins or rails and 0.6mm galvanised steel accessories with "Chromadek" finish on one side fixed to timber purlins. Roof covering with pitches not exceeding 25 degrees

2.8 Steel columns and rafters

Columns and rafters in single lengths including base plates, end plates, haunchings and stiffeners

NB! Bidders that submit a price 10% below or 10% above the quantity surveyors estimates will be disqualified.

3 SUBMISSION OF BIDS

Bidders are to submit one (1) pack of original proposal, marked "ORIGINAL" in one envelope.

Bid documents can be submitted in the tender box located in Waterberg TVET College central office building. The tender box is marked "Tender Box".

Closing date and time for submission is: **17 May 2021 at 11:00**

Note: E-mail and faxed submissions will not be accepted. Late submissions will be disqualified.

4 GENERAL TERMS

All documents submitted in the response to this bid shall be written in English completed with a pen. Bid documents completed with a pencil will be disqualified. All corrections and scratching must be initialled. The use of correction pen (Tippex) will automatically invalidate your bid. All required documents must be attached behind the specified divider to allow for convenient checking during evaluation. Each tender shall be valid for a period of three months (90 days) calculated from the closing date of the tender.

Any enquiries in connection to this tender shall be submitted in writing this email address: procurement@waterbergcollege.co.za

5 ADMINISTRATIVE CRITERIA

Tenders must include the following documentation (**Failure to submit this required documentation will lead to disqualification**)

a) Invitation to bid: SBD 1

Requires that applicants agree to be bound by bid's terms and conditions

b) Declaration of interest: SBD 4

Requires a declaration of interest from applicant, stating any existing relationship/ acquaintance with DHET or Waterberg TVET College employees. This is to ensure that these persons are not involved in anyway, to avoid corruption.

c) Preference certificate as part of the preferential procurement regulation, 2001: SBD 6.1

Requires Preferential Procurement points claims

d) Declaration of bidders past SCM practices: SBD 8

Requires declaration of bidder's past supply chain management practices

e) Certificate of independent bid determination: SBD 9

Requires declaration from bidder to prevent bid rigging

6 MANDATORY CRITERIA

Tenders must include the following documentation (**Failure to submit this required documentation will lead to disqualification**)

a) A valid Tax Clearance Certificate and Tax Compliance Status Pin

b) VAT registration certificate (for VAT Vendors Only)

c) Proof of Company Registration Certificate (Company/CC/Trust/ Partnership)

d) Certified ID copies of all Members/ Partners/ Directors. If Members/Partners/ Directors are employed by the state, proof that they are allowed to conduct business outside remunerative work should be provided

e) Company profile a professional summary of the business and its activities

f) A copy or printscreen copy of the CIDB grading certificate of 1GB or higher

g) A letter of good standing from the office of the compensation commissioner and a certified copy of compensation for Occupational Injuries and Diseases Act (COIDA) **registration certificate** indicating **building/construction** as core business.

h) Priced Bill of Quantity (BOQ)

NB! Bidders that price 10% below or 10% above the quantity surveyors estimates will be disqualified.

i) Health and safety plan for this project.

j) Proof of Central supplier database (CSD) registration

k) Proof of bank account (Cancelled Cheque or original letter from the bank confirming banking details)

l) Proof of Business address. Statement of water and lights not more than three months or lease agreement for the company or letter from the tribal authority indicating the name of the business.

7 OTHER REQUIRED DOCUMENTS

Each tender document should also include the following documentation, although failure to submit these documents will not result in disqualification. However, the information contained in them is required for evaluation purposes.

- a) **Track record/traceable references for verification purposes:** Provide the names and contact details of current or previous clients you have provided similar building/construction projects to, and details of similar projects completed in the past and those still running. Provide testimonial/reference letters from previous completed projects.
- b) **Method statement**
- c) **CVs and qualifications** of the project team
- d) A current **broad-based black economic empowerment (B-BBEE) status level certificate.**

8 EVALUATION CRITERIA

This bid will be evaluated on functionality. Bidders must score a minimum of 40 points on functionality to qualify for further evaluation. 80/20 preference point system in line with Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000) regulation 2017 will be applicable. Sufficient information must be provided to allow the evaluation panel to score bids against all these criteria.

No	EVALUATION CRITERIA	TOTAL POINTS	MINIMUM REQUIRED
1.	Previous Experience: (Relevant building experience) (Supply detail info on projects successfully completed and letters of references) <ul style="list-style-type: none"> • >2 Completed Projects= 15 points • > 1 Completed Projects = 13 points • 0-1 Completed projects = 6 points 	15	13
2.	Method statement <ul style="list-style-type: none"> • Generic and irrelevant activities = 0 • Less activities with no explanation = 10 • Less activities with explanation = 13 • Major activities explained = 15 • All activities explained = 20 	20	15
3.	Project Team <ul style="list-style-type: none"> • Project leader with BSc: QS/Civil = 15 • Project leader with ND: Building/Civil = 12 • No Qualification/certificates = 0 	15	12
	TOTAL	50	40

The next stage will evaluate the price and preference points of those bids that meet the minimum threshold for functionality. In accordance with the preferential procurement regulations, 2011 pertaining to the preferential policy framework Act (No. 5 of 2000), the 80/20 point system will be applied in evaluating proposals that qualify for further consideration, where price constitutes 80 points and a maximum of 20 points will be awarded based on the bidders B-BBEE status level contribution or a sworn affidavit. In terms of Regulation 6 (2) and 7 (2) of the Preferential Procurement Regulations, 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	80/20
1	20
2	18
3	14
4	12
5	8
6	6
7	4
8	2
Non-complaint contributor	0

PART A INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE WATERBERG TVET COLLEGE					
BID NUMBER:	WTC-F/FS01/21	CLOSING DATE:	17 MAY 2021	CLOSING TIME:	11:00
DESCRIPTION	CONSTRUCTION OF A NEW FEEDS STORAGE FOR WATERBERG TVET COLLEGE ROOIVAAL FARM				
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
WATERBERG TVET COLLEGE CETRAL OFFICE					
C/O TOTIUS & HOOGES STREET					
MOKOPANE					
0600					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
CONTACT PERSON	Ms HMG MAKHURUPETJI		CONTACT PERSON	Mr Mlondolozzi Jwara	
TELEPHONE NUMBER	015 492 9042		TELEPHONE NUMBER	015 492 9042	
FACSIMILE NUMBER			FACSIMILE NUMBER		
E-MAIL ADDRESS	scm@waterbergcollege.co.za		E-MAIL ADDRESS	pmi@waterbergcollege.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					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No:	MAAA
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT	[TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No	
[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED 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 THE QUESTIONNAIRE BELOW]	
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS					
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
DOES THE ENTITY HAVE A BRANCH IN THE RSA?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.					

**PART B
TERMS AND CONDITIONS FOR BIDDING**

1. BID SUBMISSION:
1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED--(NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.
1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
1.4. THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).
2. TAX COMPLIANCE REQUIREMENTS
2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.
2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.
2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
2.6 WHERE NO TCS PIN IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE."

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

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:
(Proof of authority must be submitted e.g. company resolution)

DATE:

DECLARATION OF INTEREST

1. Any legal person, including persons employed by the state¹, or persons having a kinship with persons employed by the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid (includes a price quotation, advertised competitive bid, limited bid or proposal). In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons employed by the state, or to persons connected with or related to them, 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 state; and/or
- the legal person on whose behalf the bidding document is signed, has a relationship with persons/a person who are/is involved in the evaluation and or adjudication of the bid(s), or where it is known that such a relationship exists between the person or persons for or on whose behalf the declarant acts and persons who are involved with the evaluation and or adjudication of the bid.

2. **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

2.1 Full Name of bidder or his or her representative:

2.2 Identity Number:

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

2.4 Company Registration Number:

2.5 Tax Reference Number:

2.6 VAT Registration Number:

2.6.1 The names of all directors / trustees / shareholders / members, their individual identity numbers, tax reference numbers and, if applicable, employee / persal numbers must be indicated in paragraph 3 below.

¹"State" means –

- (a) any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No. 1 of 1999);
- (b) any municipality or municipal entity;
- (c) provincial legislature;
- (d) national Assembly or the national Council of provinces; or
- (e) Parliament.

²"Shareholder" means a person who owns shares in the company and is actively involved in the management of the enterprise or business and exercises control over the enterprise.

2.7 Are you or any person connected with the bidder presently employed by the state? **YES / NO**

2.7.1 If so, furnish the following particulars:

Name of person / director / trustee / shareholder/ member:
Name of state institution at which you or the person connected to the bidder is employed :
Position occupied in the state institution:

Any other particulars:
.....
.....
.....

2.7.2 If you are presently employed by the state, did you obtain the appropriate authority to undertake remunerative work outside employment in the public sector? **YES / NO**

2.7.2.1 If yes, did you attached proof of such authority to the bid document? **YES / NO**

(Note: Failure to submit proof of such authority, where applicable, may result in the disqualification of the bid.

2.7.2.2 If no, furnish reasons for non-submission of such proof:

.....
.....
.....

2.8 Did you or your spouse, or any of the company's directors / trustees / shareholders / members or their spouses conduct business with the state in the previous twelve months? **YES / NO**

2.8.1 If so, furnish particulars:

.....
.....
.....

2.9 Do you, or any person connected with the bidder, have any relationship (family, friend, other) with a person employed by the state and who may be involved with the evaluation and or adjudication of this bid? **YES / NO**

4 DECLARATION

I, THE UNDERSIGNED (NAME).....

CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 2 and 3 ABOVE IS CORRECT.
I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF
PARAGRAPH 23 OF THE GENERAL CONDITIONS OF CONTRACT SHOULD THIS DECLARATION
PROVE TO BE FALSE.

.....
Signature

.....
Date

.....
Position

.....
Name of bidder

**PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL
PROCUREMENT REGULATIONS 2017**

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 MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017.

1. GENERAL CONDITIONS

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

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

1.2

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

1.3 Points for this bid shall be awarded for:

- (a) Price; and
- (b) B-BBEE Status Level of Contributor.

1.4 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

1.5 Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

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

2. DEFINITIONS

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

5. BID DECLARATION

5.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:

6. B-BBEE STATUS LEVEL OF CONTRIBUTOR CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 4.1

6.1 B-BBEE Status Level of Contributor: = (maximum of 10 or 20 points)
 (Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 4.1 and must be substantiated by relevant proof of B-BBEE status level of contributor.

7. SUB-CONTRACTING

7.1 Will any portion of the contract be sub-contracted?

(Tick applicable box)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

7.1.1 If yes, indicate:

- i) What percentage of the contract will be subcontracted.....%
- ii) The name of the sub-contractor.....
- iii) The B-BBEE status level of the sub-contractor.....
- iv) Whether the sub-contractor is an EME or QSE

(Tick applicable box)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

v) Specify, by ticking the appropriate box, if subcontracting with an enterprise in terms of Preferential Procurement Regulations,2017:

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

Any QSE		
---------	--	--

8. DECLARATION WITH REGARD TO COMPANY/FIRM

8.1 Name of company/firm:.....

8.2 VAT registration number:.....

8.3 Company registration number:.....

8.4 TYPE OF COMPANY/ FIRM

- Partnership/Joint Venture / Consortium
 - One person business/sole propriety
 - Close corporation
 - Company
 - (Pty) Limited
- [TICK APPLICABLE BOX]

8.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....

.....

.....

.....

.....

8.6 COMPANY CLASSIFICATION

- Manufacturer
 - Supplier
 - Professional service provider
 - Other service providers, e.g. transporter, etc.
- [TICK APPLICABLE BOX]

8.7 Total number of years the company/firm has been in business:.....

8.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contributor indicated in paragraphs 1.4 and 6.1 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 6.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- iv) If the B-BBEE status level of contributor has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –

- (a) disqualify the person from the bidding process;
- (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
- (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
- (d) recommend that the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
- (e) forward the matter for criminal prosecution.

WITNESSES

1.

2.

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

DATE:

ADDRESS

.....

.....

DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

- 1 This Standard Bidding Document must form part of all bids invited.
- 2 It serves as a declaration to be used by institutions in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
- 3 The bid of any bidder may be disregarded if that bidder, or any of its directors have-
 - a. abused the institution's supply chain management system;
 - b. committed fraud or any other improper conduct in relation to such system; or
 - c. failed to perform on any previous contract.
- 4 **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

Item	Question	Yes	No
4.1	<p>Is the bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector? (Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer/Authority of the institution that imposed the restriction after the <i>audi alteram partem</i> rule was applied).</p> <p>The Database of Restricted Suppliers now resides on the National Treasury's website(www.treasury.gov.za) and can be accessed by clicking on its link at the bottom of the home page.</p>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.1.1	If so, furnish particulars:		
4.2	<p>Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? The Register for Tender Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za) by clicking on its link at the bottom of the home page.</p>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.2.1	If so, furnish particulars:		
4.3	<p>Was the bidder or any of its directors convicted by a court of law (including a court outside of the Republic of South Africa) for fraud or corruption during the past five years?</p>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.3.1	If so, furnish particulars:		

4.4	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?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.4.1	If so, furnish particulars:		

SBD 8

CERTIFICATION

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

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

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

Js365bW

CERTIFICATE OF INDEPENDENT BID DETERMINATION

- 1 This Standard Bidding Document (SBD) must form part of all bids¹ invited.
- 2 Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).² Collusive bidding is a *pe se* prohibition meaning that it cannot be justified under any grounds.
- 3 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 BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:

(Bid Number and Description)

in response to the invitation for the bid made by:

(Name of 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

1. EXTENT OF CONTRACT & ASSUMPTIONS ON THE BOQ

Building contract

The work embodied in the contract comprises construction of a stable building with associated services and external works.

The successful tenderer for this contract will be appointed in terms of the Principal Building Agreement, July 2007 edition 5 prepared by the Joint Building Contracts Committee (JBCC Series 2000) and amended by the quantity surveyor to suit the project.

Assumptions

- The bills of quantities have been produced without a civil, structural, mechanical & fire engineer's input, all quantities & project specifications have been assumed and shall be confirmed once these professionals are appointed and give accurate professional drawings.
- Ground conditions have been assumed to be adequate for the type of construction, no geotech has been conducted. All costs for a geotech investigation shall be borne by the client.
- Contingency has been added at the final summary. This allowance shall be used on a proven cost basis and signed off by the client and principal agent.

ACQUAINTANCE WITH TENDER DOCUMENTS

By submission of a tender, the contractor shall be deemed to have acquainted himself with the contract documents, local requirements and laws and all aspects of the work envisaged in the documents, prior to pricing and submission of a tender. It is of vital importance that the tenderers visit the site prior to the submission of a tender to study conditions on site. No claim resulting from failure to comply with any of the above will be entertained.

3. CONTRACT DOCUMENTS

The contract documents shall comprise:

- * This tender enquiry document, bills of quantities and its annexures.
- * All architectural drawings, to be read in conjunction with the bills of quantities:

4. BILLS OF QUANTITIES

These bills of quantities contain pages numbered consecutively as indicated in the Index. Before the contractor submits his tender he should check the number of pages, and if any are found to be missing or duplicated, or the figures or writing indistinct, or the tender documents contain any obvious errors, he should apply to the quantity surveyors at once and have same rectified as no liability whatsoever will be admitted by the quantity surveyors in respect of errors in a tender due to the foregoing.

On no account should these documents be used for placing orders for materials. The contractor may do so at his/ her own risk but shall not be reimbursed for additional costs incurred.

Unless a separate rate for the supply and for the installation of any items is specifically called for, the supply and installation costs of any item shall be deemed to be fully included in the unit price.

5. MATERIAL AND LABOUR COST FLUCTUATIONS

Tenders shall be fixed i.e. inclusive of provision for material and labour cost fluctuations during the course of the works.

6. CONTRACT PERIOD

Building contract

Tenderers' attention is drawn to the fact that no physical start & completion dates have been put forward, it is required of the tenderers to propose a duration for this should the contract be awarded to them.

7. CONDITIONS TO BE OBSERVED IN TENDERING

7.1 Tenders shall include Value Added Tax

7.2 The quantity surveyors will notify the tenderers of the tender results

7.3 The lowest, or any, or portion of any tender will not necessarily be accepted.

7.4 All tenders must be entered on the form provided herein.

7.5 Tenders must hold good for ninety (90) calendar days from the tender closing date as stated herein.

7.6 All recipients of the tender document (whether they submit a tender or not) must treat the details of the document as private and confidential

7.7 The employer will not be responsible for, or pay for, expenses or losses, which may be incurred by any tenderer in the preparation of his tender.

8. TENDER INFORMATION

The employer may require additional information from the tenderer in order to evaluate the tender. The tenderer is required to provide such information if so required by the employer.

WATERBERG TVET COLLEGE - ROOIVAAL FARM
 CONSTRUCTION OF FEED STORAGE STRUCTURE
 Principal Building Agreement

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p><u>BILL No. 1</u></p> <p>PRELIMINARIES</p> <p><u>BUILDING AGREEMENT AND PRELIMINARIES</u></p> <p>The JBCC Series 2000 Principal Building Agreement (July 2007 edition 5.0 - reprint 1) prepared by the Joint Building Contract Committee shall be the applicable building agreement, amended as hereinafter described</p> <p>The JBCC Principal Building Agreement Contract Data EC and the JBCC Principal Building Agreement Contract Data CE form an integral part of this agreement</p> <p>The ASSAQS Preliminaries (August 2010 edition) published by the Association of South African Quantity Surveyors for use with the said JBCC Principal Building Agreement shall be deemed to be incorporated in these bills of quantities</p> <p>Contractors are referred to the abovementioned documents for the full intent and meaning of each clause thereof</p> <p>These clauses are hereinafter referred to by clause number and heading only. Where standard clauses or alternatives are not entirely applicable to this agreement such modifications, corrections or supplements as will apply are given under each relevant clause heading and such modifications, corrections or supplements shall take precedence notwithstanding anything contrary contained in the abovementioned documents</p> <p>Where any item is not relevant to this specific agreement such item is marked N/A, signifying "not applicable"</p> <p><u>PREAMBLES FOR TRADES</u></p> <p>The Model Preambles for Trades (2008 edition) as 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 Model Preambles will be entertained</p> <p>Supplementary preambles are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the said Model Preambles</p> <p>The contractor's prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the said Model Preambles and in any supplementary preambles</p>				

<u>PRICING OF PRELIMINARIES</u>		
	<p>Should the contractor select Option A in terms of sub clause 3.2.1 in the Contract Data - Contractor to Employer (CA) for the purpose of adjustment of these preliminaries, the amount entered into the amount column in these preliminaries is to be divided into one or more of the three categories provided namely Fixed (F), Value Related (V) and Time Related (T)</p>	
	<u>SECTION A - PRINCIPAL BUILDING AGREEMENT</u>	
	Definitions	
A	<p>Clause 1.0 - DEFINITIONS AND INTERPRETATION</p> <p>Clause 1.1 Definition of Bills of Quantities is amended by replacing the first sentence with the following:</p> <p>BILLS OF QUANTITIES: The document drawn up in accordance with the Sixth Edition (Revised) of the Standard System of Measuring Builder's Work in South Africa issued by the Association of South African Quantity Surveyors, modified in certain respects where necessary to meet the requirements of certain particular cases. All adjustments arising out the Contract will be measured on the basis of these bills of quantities."</p> <p>Clause 1.1 Definition of CPA is amended by replacing it with the following:</p> <p>CPA: The JBCC Contract Price Adjustment Provisions used for the adjustment of the contract value.</p> <p>Clause 1.1 Definition of interest is amended by replacing the first sentence with the following:</p> <p>INTEREST: The bank rate that is applicable from time to time to registered banks when borrowing money from the Reserve Bank of the Republic of South Africa.</p> <p>Clause 1.7 is amended by replacing it with the following:</p> <p>For the purpose of sentence in relation to a payment certificate only, the parties consent to the jurisdiction of any court of the country in which district the site is located although the amount of the claim by either of the parties against the other may exceed the jurisdiction of such court</p> <p>F:..... V:..... T:.....</p>	<p>Item 1</p>
A	<p>Clause 2.0 - OFFER, ACCEPTANCE AND PERFORMANCE OBLIGATIONS</p> <p>F:..... V:..... T:.....</p>	<p>Item 0</p>

B	<p>Clause 3.0 - DOCUMENTS</p> <p>Clause 3.6 is amended by replacing the last sentence with the following:</p> <p>The original signed set of contract documents shall be held by the principal agent</p> <p>F:..... V:..... T:.....</p>	Item	0	
A	<p>Clause 4.0 -DESIGN RESPONSIBILITY</p> <p>The following new sub-clauses is hereby added to this clause:</p> <p>4.4 Notwithstanding the provisions of 4.2, the Contractor shall ensure that every such nominated or selected subcontractor shall simultaneously with the signing of the relevant subcontract deliver to the Employer a Design Materials and Workmanship Warranty and Undertaking in favour of the Employer or, a Materials and Workmanship Undertaking strictly in accordance with the instructions or provisions contained in the tender documents for the nominated or selected subcontract works"</p> <p>4.5 The Contractor shall be responsible for requesting from and/or clarifying of any design information with the Principal Agent timeously to avoid any delay in the intended date for Practical Completion"</p> <p>F:..... V:..... T:.....</p>	Item	0	
B	<p>Clause 5.0 - EMPLOYER'S AGENTS</p> <p>F:..... V:..... T:.....</p>	Item	0	
A	<p>Clause 6.0 - CONTRACTOR'S SITE REPRESENTATIVE</p> <p>Clause 6.1 is amended by adding to the second sentence the following:</p> <p>for the principal agent's approval, which approval shall not unreasonably withheld, but which approval may be withdrawn by notice at any time."</p> <p>Clause 6.0 is amended by adding the following clause:</p> <p>6.3 The contractor shall in addition keep on site, as necessary, competent senior foremen and sub foremen in charge of the work in progress. The principal agent may require details of past experience of such foremen to be submitted for approval by the principal agent before such foremen take up position on site."</p> <p>Clause 6.0 is amended by adding the following clause:</p>	Item	0	

	<p>6.4 The principal agent and the contractor shall provide one another with a list of names, addresses and telephone numbers of key personnel in their respective organisations who may be contacted in an emergency both during and outside office hours"</p> <p>F:..... V:.....T:.....</p>			
A	<p>Clause 7.0 - COMPLIANCE WITH LAWS AND REGULATIONS</p> <p>Without limiting the generality of the provisions of clause 7.0, the contractor's attention is drawn to the provisions of the Construction Regulations, 2003 issued in terms of the Occupational Health and Safety Act, 1993. It is specifically stated that the employer shall prepare a documented health and safety specification for the works. Refer to Annexure C for a copy of the relevant specification 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 reasonable provisions of the aforementioned health and safety specifications</p> <p>F:..... V:..... T:.....</p>	Item	1	
B	<p>Clause 8.0 - WORKS RISK</p> <p>F:..... V:..... T:.....</p>	Item	0	
C	<p>Clause 9.0 - INDEMNITIES</p> <p>F:..... V:..... T:.....</p>	Item	0	
D	<p>Clause 10.0 - GENERAL INSURANCES</p> <p>The Contractor shall be registered with the Compensation Commissioner in accordance with the requirements of the Compensation for Occupational Injuries and Diseases Act No 130 of 1993, as amended and shall provide the Client with its COID registration number</p> <p>F:..... V:..... T:.....</p>	Item	0	
E	<p>Clause 11.0 - SPECIAL INSURANCES</p> <p>F:..... V:..... T:.....</p>	Item	0	
A	<p>Clause 12.0 - EFFECTING INSURANCES</p> <p>F:..... V:.....T:.....</p>	Item	0	
B	<p>Clause 13.0 - ASSIGNMENT</p> <p>F:..... V:..... T:.....</p>	Item	0	
C	<p>Clause 14.0 - SECURITY</p>	Item	0	

	<p>Only a fixed construction guarantee will be accepted as security</p> <p>F:..... V:..... T:.....</p> <p>Execution</p>			
D	<p>Clause 15.0 - PREPARATION FOR AND EXECUTION OF THE WORKS</p> <p>The following should be added to Subclause 15.6.1</p> <p>The contractor must submit with the tender a programme showing detailed information for the first 90 days of construction and an outline programme for the rest of the construction period of how the Works will be executed for consideration by the Principal Agent.</p> <p>The programme will be finalized by mutual consent before signing of the contract</p> <p>F:..... V:..... T:.....</p>	Item	0	
A	<p>Clause 16.0 - SITE AND ACCESS</p> <p>Clause 16.7 - Known services</p> <p>Before removing existing services the contractor must inform the Employer who needs to give the approval to remove the services</p> <p>Clause 16.8 - Protection of Trees</p> <p>Protected trees will be indicated to the Contractor on a drawing</p> <p>F:..... V:..... T:.....</p>	Item	0	
B	<p>Clause 17.0 - CONTRACT INSTRUCTIONS</p> <p>F:..... V:..... T:.....</p>	Item	0	
C	<p>Clause 18.0 - SETTING OUT OF THE WORKS</p> <p>F:..... V:..... T:.....</p>	Item	0	
D	<p>Clause 19.0 - TEMPORARY WORKS AND PLANT</p> <p>Clause 19.1.1 is amended by adding the following:</p> <p>The site must be adequately enclosed to ensure the safety of the residents. Area/s to be enclosed will be pointed out during the site inspection meeting."</p> <p>F:..... V:..... T:.....</p>	Item	0	

E	Clause 20.0 - NOMINATED SUBCONTRACTORS F:..... V:..... T:.....	Item	0	
F	Clause 21.0 - SELECTED SUBCONTRACTORS F:..... V:..... T:.....	Item	0	
A	Clause 22.0 - EMPLOYER'S DIRECT CONTRACTORS F:..... V:..... T:.....	Item	0	
B	Clause 23.0 -CONTRACTOR'S DOMESTIC SUBCONTRACTORS F:..... V:..... T:..... Completion	Item	0	
C	Clause 24.0 - PRACTICAL COMPLETION The site will be handed over see Contract Data The contractor must immediately start with the work after the site has been handed over subject to the contractor's site establishment and medical and safety inductions, which must be carried out before actual construction may commence Practical completion will occur on see Contract Data The following sub-clause is hereby added to this clause: 24.3.3 Practical Completion implies that the housing units are to be completed and operational and fit for occupation by the tenants. The internal infrastructure and service installations including paving, landscaping, walkways, carports and the like will be completed, commissioned, operational and clean, and undisturbed access for occupants and their vehicles will be offered. Any future work required shall be undertaken with minimal disruption to the occupants." F:..... V:..... T:.....	Item	0	
A	Clause 25.0 - WORKS COMPLETION Clause 25.1 is modified as follows:	Item	0	

	<p>"The employer intends that the works will be occupied by tenants upon practical completion. Before the principal agent may issue the certificate of practical completion, the contractor shall have brought the works to full completion in all respects and shall have corrected all defects that a reasonable inspection of the works would reveal. It is intended that the works completion list will have no outstanding works or defects that were apparent at the date of practical completion, but will only list defects that have been revealed after practical completion. Nevertheless, the employer reserves the right to waive this clause in respect of any section."</p> <p>F:..... V:..... T:.....</p>			
B	<p>Clause 26.0 - FINAL COMPLETION</p> <p>F:..... V:..... T:.....</p>	Item	0	
C	<p>Clause 27.0 - LATENT DEFECTS LIABILITY PERIOD</p> <p>F:..... V:..... T:.....</p>	Item	0	
D	<p>Clause 28.0 - SECTIONAL COMPLETION</p> <p>F:..... V:..... T:.....</p>	Item	0	
A	<p>Clause 29.0 - REVISION OF DATE FOR PRACTICAL COMPLETION</p> <p>Subclause 29.1.1 is hereby deleted and substituted with the following:</p> <p>"Subclause 29.1.1</p> <p>Exceptionally inclement weather, shall only relate to weather with a degree of inclemency which is materially greater than or is, materially beyond the average inclemency recorded in the past five years and/or recorded in terms of available records or otherwise for the site or, for the area in which the site is situated for the period/s in question. Any revision of the date of projected completion, which may in terms of this clause be allowed for exceptionally inclement weather, shall be related only to those periods of exceptionally inclement weather by which the average period of time, during which exceptionally inclement weather is experienced and/or recorded in the area in which the site is situated, is exceeded. The contractor is therefore to make allowances for normal vagaries of the weather"</p> <p>The following shall be added to Subclause 29.3</p> <p>"The removal and replacement of materials and/or workmanship which do not conform to specification or drawings shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value"</p>	Item	0	

	F:..... V:..... T:.....			
B	Clause 30.0 - PENALTY FOR LATE OR NON-COMPLETION	Item	0	
	F:..... V:..... T:.....			
	Payment			
A	Clause 31.0 - INTERIM PAYMENT	Item	0	
	Sub clauses 31.5.3 and 31.8 are deemed to be deleted			
	Sub clause 31.6.5 is deemed to be deleted and replaced with:			
	Notwithstanding this, or any other clause, materials and goods stored off site shall not be included in the amount authorised for payment			
	Subclause 31.9 is hereby amended by the substitution of "seven (7) calendar days" in the second line with "forty nine (49) calendar days".			
	F:..... V:..... T:.....			
B	Clause 32.0 - ADJUSTMENT TO THE CONTRACT VALUE	Item	0	
	Sub clauses 32.8 and 32.13 are deemed to be deleted			
	Add clause 32.16 as follows:			
	Where prices are submitted by the contractor or n/s subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of the contract and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the Principal Agent wish to accept any such prices prior to the issue of the final payment certificate, it shall be in writing			
	F:..... V:..... T:.....			
C	Clause 33.0 - RECOVERY OF EXPENSE AND LOSS	Item	0	
	F:..... V:..... T:.....			
A	Clause 34.0 - FINAL ACCOUNT AND FINAL PAYMENT	Item	0	
	Clause 34.3 is modified as follows:			
	"Should the contractor object to the final account with good reason, the contractor shall lodge with the principal agent full and comprehensive details of this objection in final form within fourteen (14) days of issuance of the final account failing which the			

	<p>contractor strictly acknowledges that any such objection will have been waived by the contractor and shall be rejected by the principal agent".</p> <p>Clause 34.10 is modified as follows:</p> <p>Delete the words "seven (7) calender days" and substitute with the words "twenty five (25) calender days".</p> <p>F:..... V:..... T:.....</p>			
B	<p>Clause 35.0 - PAYMENT TO OTHER PARTIES</p> <p>F:..... V:..... T:.....</p> <p>Termination</p>	Item	0	
C	<p>Clause 36.0 - TERMINATION BY EMPLOYER - CONTRACTOR'S DEFAULT</p> <p>F:..... V:..... T:.....</p>	Item	0	
D	<p>Clause 37.0 - TERMINATION BY THE EMPLOYER - LOSS AND DAMAGE</p> <p>F:..... V:..... T:.....</p>	Item	0	
E	<p>Clause 38.0 - TERMINATION BY THE CONTRACTOR - EMPLOYER'S DEFAULT</p> <p>F:..... V:..... T:.....</p>	Item	0	
A	<p>Clause 39.0 - TERMINATION - CESSATION OF THE WORKS</p> <p>F:..... V:..... T:.....</p> <p>Dispute</p>	Item	0	
B	<p>Clause 40.0 - SETTLEMENT OF DISPUTES</p> <p>F:..... V:..... T:.....</p> <p>Contract agreement</p>	Item	0	
C	<p>Clause 41.0 - POST TENDER PROVISIONS</p> <p>The required post tender information shall be inserted in the post tender provisions after consultation with the contractor</p>	Item	0	
D	<p>Clause 42.0 - CONTRACTUAL AGREEMENT</p> <p>The required information of the contracting parties and the amount of the accepted contract sum shall be inserted in the contractual agreement for signature of the agreement by the contracting parties</p> <p><u>CONTRACT DATA - EMPLOYER TO CONTRACTOR</u></p>	Item	0	

Information necessary for elections and completion of those clauses contained in the Contract Data which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that no specific requirements are expected

Tenderers are referred to the PRINCIPAL BUILDING AGREEMENT Contract Data EC for the full intent and meaning of the following clauses and are to provide for all costs and charges in connection therewith

1.0 - CONTRACTING AND OTHER PARTIES

1.1Employer: Waterberg TVET College

Postnet Suite #59

Private X2449

Mokopane, 0600

Tel. No: 015 492 9000

Fax No: 015 492 9042

Physical Address:

Cnr Totius & Hooge Streets
Mokopane
0600

1.2Principal Agent: Komaru Consulting Engineer's

Postal Address: Office No. 12, 166 Protea Boulevard

Protea Glen Extension 12
Johannesburg, 1834

Tel. No: 084 787 7552

Fax No:N/A

E-mail:admin@komaru.co.za

1.3Agent (1)Komaru Consulting Engineer's

Agent's Service:Architectural

Postal Address: Office No. 12, 166 Protea Boulevard

Protea Glen Extension 12
Johannesburg, 1834

Tel. No: 084 787 7552

Fax No:N/A

E-mail:admin@komaru.co.za

1.4 Agent (2) Komaru Consulting Engineer's

Agent's Service:Quantity Surveying

Postal Address: Office No. 12, 166 Protea Boulevard

Protea Glen Extension 12
Johannesburg, 1834

Tel. No: 084 787 7552

Fax No:N/A

E-mail:admin@komaru.co.za

1.5 Agent (3) Komaru Consulting Engineer's

Agent's Service Engineering - Civil and Structural

Postal Address: Office No. 12, 166 Protea Boulevard

Protea Glen Extension 12
Johannesburg, 1834

Tel. No: 084 787 7552

Fax No:N/A

E-mail:admin@komaru.co.za

1.6 Agent (3). Komaru Consulting Engineer's

Agent's Service Engineering - Electrical

Postal Address: Office No. 12, 166 Protea Boulevard

Protea Glen Extension 12
Johannesburg, 1834

Tel. No: 084 787 7552

Fax No:N/A

E-mail:admin@komaru.co.za

1.9 Interest of the principal agent or other agents in the project

NO

1.10 The principal agent named in 1.2 above is responsible for the preparation of the contract data schedule and must be contacted should the contractor 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

2.0 CONTRACT AND SITE INFORMATION

2.1 The law applicable to this agreement - South African

2.2 Works identification

The works comprises the construction of a school with alternative construction technology

2.3 Site description

The site is the existing Hani Park School Welkom

2.4 Possession of the site is to be given on

2.5 Period for commencement of the works after the contractor takes possession of the site

1 week

2.6 Completion of the works in sections is required

Yes

2.7 Waiver of the contractor's lien or right of continuing possession is required

Yes

2.8 Defined restrictions to the site area

Yes. Restrictions will be pointed out at the pre - tender site inspection.

2.9 Geotechnical investigation of the site has been undertaken

Not applicable

2.10 Existing premises will be occupied

Yes. Will be pointed at the pre - tender site inspection

2.11 Provision of temporary services required

Yes

2.11.1 Water Option A

Contractor to provide labour and material for pipe work, meter, connections, etc. The clause regarding standing time will be disregarded

2.11.2 Electricity Option A

Contractor to provide labour and material for cables, trenches, meter, connections, etc.

The clause regarding standing time will be disregarded

2.11.3 Telecom Option A

2.11.4 Ablutions Option A

2.12 Protection of existing trees

Yes

3.0 INSURANCES AND SECURITIES

3.1 Contract works insurance to be effected by Contractor

For the sum of: Contract Sum plus 30%

With a deductible of: Nil

3.2 Supplementary/Special Insurances effected by contractor

For the sum of the Contract Sum plus 30%

With a deductible of: Nil

3.3 Public liability insurance to be effected by Contractor

For the Sum of R 5 000 000.00 (Five Million Rand) per claim

With a deductible of: Nil

3.4 Support insurance to be effected by the employer

Not Applicable

3.5 Special insurance to be effected by

Not applicable

4.0 PRACTICAL COMPLETION DATES AND PENALTIES

4.1 The dates for practical completion for each block is as follows:

The penalty per calendar day is

5.0 DOCUMENTS AND GENERAL

5.1 Construction document copies to be supplied to the Contractor free of charge

Two

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

5.4 Changes made to JBCC standard documents

Yes

5.5 On acceptance of the tender the priced document is to be submitted within the stated working days

At time of tender

5.6 Work to be undertaken by direct contractors

Yes

5.7 On achievement of practical completion the contractor is to hand over manuals etc related to the works listed below

Electrical, Plumbing, Fire and any other installations as may be required

5.8 Interim payment certificate to be issued by

25th day of every month

6.0 CHANGES MADE TO THE STANDARD DOCUMENT

Principal Building Agreement

Clause 1 amended

Clause 3 amended

Sub-Clause 4.4 added

Clause 6 amended

Clause 7 amended

Clause 10 amended

Clause 15 amended

Clause 16 amended

Clause 19 amended

Clause 24 amended

Cause 25 amended

Clause 29 amended

Clause 31 amended

Clause 32 amended

Clause 34 amended

Preliminaries

Clause 2.1 amended

Clause 2.2 amended

Clause 2.3 amended

Clause 4.2 amended

Clause 6.2 amended

Clause 9.4 amended

7.0DECLARATION BY THE PRINCIPAL AGENT

I, the principal agent named in 1.2 above, declare that the information provided above is complete and accurate at the time of calling for tenders. Where necessary, should any of the above information need to be varied, tenderers will be forthwith informed thereof in writing

Principal Agent

Date

A	<p><u>CONTRACT DATA - CONTRACTOR TO EMPLOYER</u></p> <p>The following information must be completed in full by the Tenderer and must be submitted with the tender</p> <p>The option not chosen must be crossed out</p> <p>The Tenderer is referred to the PRINCIPAL BUILDING AGREEMENT Contract Data CE for the full intent and meaning of the following clauses and to provide for all costs and charges in connection therewith</p> <p>1.0 CONTRACTING PARTY</p> <p>1.1 Contractor</p> <p>Postal Address</p> <p>Code</p> <p>Tel</p> <p>Fax</p> <p>e-mail</p> <p>Tax / Vat Registration No</p> <p>1.2 Physical Address</p> <p>.....</p> <p>Tel</p> <p>Fax</p> <p>e-mail</p> <p>2.0 SECURITIES</p> <p>2.1 The security provisions selected are:</p> <p>2.1.1 Variable Construction Guarantee Yes / No</p> <p>2.1.2 Fixed Construction Guarantee and Payment Reduction Yes / No</p> <p>2.1.3 Advance Payment is required Yes / No Amount _____</p> <p>2.1.4 Advance Payment Guarantee to be provided Yes / No</p> <p>3.0 PAYMENT AND ADJUSTMENT OF PRELIMINARIES</p>	Item		1	

	3.1Payment of preliminaries			
	3.1.1Option A			
	3.1.2Option B			
	3.2Adjustment of preliminaries			
	3.2.1Option A			
	3.2.2Option B			
	3.2.3Payment certificate cash flow			
	3.2.4 The contract value shall be adjusted according CPAP NO			
	3.2.5Payment of preliminaries Option A / Option B			
	3.2.6Adjustment of preliminaries Option A / Option B			
	4.0EMPLOYER CHANGES TO JBCC STANDARD DOCUMENTS			
	4.1 Changes in terms of the Employer's Contract Data are acceptedYes / No			
	<u>SECTION B - PRELIMINARIES</u>			
	DEFINITIONS AND INTERPRETATIONS			
A	Clause 1.0 - DEFINITIONS AND INTERPRETATIONS	Item	0	
	F:..... V:..... T:.....			
	DOCUMENTS			
A	Clause 2.1 - Checking of documents	Item	0	
	The items in these provisional bills of quantities are to be read and priced in conjunction with and the descriptions regarded as amplified by the Model Preambles for Trades as recommended and published by the Association of South African Quantity Surveyors, 2008 edition, and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained.			
	F:..... V:..... T:.....			
B	Clause 2.2 - Provisional bills of quantities	Item	0	
	The following shall be added to clause 2.2			
	These bills of quantities shall not be used for ordering purposes			
	F:..... V:..... T:.....			

C	<p>Clause 2.3 - Availability of construction documentation</p> <p>The budgetary allowances and selected subcontract amounts allocated for subsequent trades included in this document will be separately procured, based on multiple procurement of selected subcontractors during the construction period</p> <p>F:..... V:..... T:.....</p> <p>PREVIOUS WORK AND ADJOINING PROPERTIES</p>	Item	0
D	<p>Clause 3.1 - Previous work - dimensional accuracy</p> <p>F:..... V:..... T:.....</p>	Item	0
E	<p>Clause 3.2 - Previous work - defects</p> <p>F:..... V:..... T:.....</p>	Item	0
A	<p>Clause 3.3 - Inspection of adjoining properties</p> <p>F:..... V:..... T:.....</p> <p>SAMPLES, SHOP DRAWINGS AND MANUFACTURER'S INSTRUCTIONS</p>	Item	0
B	<p>Clause 4.1 - Samples of materials</p> <p>F:..... V:..... T:.....</p>	Item	0
C	<p>Clause 4.2 - Workmanship samples</p> <p>Add the following paragraph:</p> <p>Construction must be carried out to the following maximum tolerances:</p> <p>Levelness of horizontal surfaces maximum 10mm deviation over 2 metres</p> <p>Plumbness of vertical surfaces maximum 10mm deviation over 2 metres including out of squareness of corners or openings"</p> <p>F:..... V:..... T:.....</p>	Item	0
D	<p>Clause 4.3 - Shop drawings</p> <p>F:..... V:..... T:.....</p>	Item	0
E	<p>Clause 4.4 - Compliance with manufacturer's instructions</p> <p>F:..... V:..... T:.....</p> <p>DEPOSITS AND FEES</p>	Item	0
F	<p>Clause 5.1 - Deposits and fees</p>	Item	0

	F:..... V:..... T:.....			
	TEMPORARY SERVICES			
A	Clause 6.1 - Water	Item	0	
	F:..... V:..... T:.....			
B	Clause 6.2 - Electricity	Item	0	
	The following shall be added to clause 6.2			
	No delay claims will be accepted by the Employer in terms of any power outages by the electricity supply agency"			
	F:..... V:.....			
	T:.....			

C	Clause 6.3 - Telecommunication facilities F:..... V:..... T:.....	Item	1	
D	Clause 6.4 - Ablution facilities F:..... V:..... T:.....	Item	0	
PRIME COST AMOUNTS				
E	Clause 7.1 - Responsibility for prime cost amounts F:..... V:..... T:.....	Item	0	
SPECIAL ATTENDANCE ON N/S SUBCONTRACTORS				
F	Clause 8.1 - Special attendance F:..... V:..... T:.....	Item	0	
GENERAL				
G	Clause 9.1 - Protection of the works F:..... V:..... T:.....	Item	0	
A	Clause 9.2 - Protection/isolation of existing/sectionally occupied works F:..... V:..... T:.....	Item	1	
B	Clause 9.3 - Security of the works F:..... V:..... T:.....	Item	1	
C	Clause 9.4 - Notice before covering work Add the following paragraphs: The Contractor will notify the Principal Agent after completion of the following and before starting the next operation: Foundation excavation before casting footings After casting of footings before building foundation brickwork After building of brickwork before plastering After plastering before tiling or painting	Item	0	

	<p>Failure by the Contractor to notify the Principal Agent timeously may incur additional cost for rectification which cost will be for the account of the Contractor.</p> <p>The Contractor must take inspection periods into account when the programme for the project is compiled</p> <p>F:..... V:..... T:.....</p>			
D	<p>Clause 9.5 - Disturbance</p> <p>F:..... V:..... T:.....</p>	Item	0	
A	<p>Clause 9.6 - Environmental disturbance</p> <p>F:..... V:..... T:.....</p>	Item	0	
B	<p>N/A</p> <p>Clause 9.7 - Works cleaning and clearing</p> <p>F:..... V:..... T:.....</p>	Item	0	
C	<p>Clause 9.8 - Vermin</p> <p>F:..... V:..... T:.....</p>	Item	0	
D	<p>Clause 9.9 - Overhand work</p> <p>F:..... V:..... T:.....</p>	Item	0	
E	<p><u>SECTION C - SPECIFIC PRELIMINARIES</u></p> <p>Labour record.</p> <p>At the end of each month the contractor shall provide the principal agent and the employer with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all subcontractors on the works each day. The record shall show the name and surname of the tradesperson or labourer, ID number, permanent address of person and hours worked</p>	Item	0	
F	<p>Plant record.</p> <p>At the end of each month the contractor shall provide the principal agent and the employer with a written record, in schedule form, reflecting the number, type and capacity of all plant and hand tools, currently used on the works. The record must also show the date the plant was inspected and who carried out the inspection</p>	Item	0	
A	<p>Site instructions</p>	Item	0	

WATERBERG TVET COLLEGE - ROOIVAAL FARM
CONSTRUCTION OF FEED STORAGE STRUCTURE
Principal Building Agreement

B	Contract Instructions issued on site are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor F:..... V:..... T:..... Warranties for material and workmanship	Item	0	
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	<p>Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty, addressed to the employer, from the firm supplying the materials and/or doing the work and shall deliver same to the principal agent on the final completion of the contract. The warranty shall state that workmanship, materials and installation are warranted for a specified period from the date of final completion and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice to do so. The warranty will not be enforced if the work is damaged by defects in the construction of the building in which case the responsibility for replacement shall rest entirely with the contractor</p> <p>F:.....V:.....T:.....</p>			
C	<p>Co-operation of contractor for cost management</p> <p>It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the final building cost does not exceed the budget. The principal agent undertakes to make available to the contractor all budgetary allowances and cost assessments/reports to enable the proper procedure to be implemented and the contractor shall attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures, as necessary, to all subcontractors</p> <p>F:.....V:.....T:.....</p>	Item	0	
A	<p>Propping of floors below</p> <p>The contractor is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of materials and goods and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the principal agent and the cost thereof shall be borne by the contractor</p> <p>F:..... V:..... T:.....</p>	Item	0	
B	<p>Use of lifts and or temporary hoists</p> <p>The contractor shall devise his/her own temporary access for equipment into the building and the removal of rubble from the building.</p>	Item	0	

C	<p>If the contractor makes use of a hoist and/or scaffolding and creates temporary openings in order to gain access, or for any other reason, the contractor shall upon completion of the Works reinstate all affected existing work to match its original condition.</p> <p>Strict safety rules shall apply to the use of any scaffolding, hoists or lifts.</p>	Item	0
A	<p>Copyright</p> <p>The ownership of the copyright in and to all drawings, specifications, models and documents of any nature, delivered to the Contractor, or produced by, or on behalf of the Contractor in connection with the works, shall remain vested in, and/or is hereby assigned to, the Employer by the Contractor</p> <p>F.....V.....T.....</p>	Item	0
B	<p>Confidentiality</p> <p>The Contractor shall treat all drawings, specifications, models and documents of any nature delivered to the Contractor, or produced by, or on behalf of the Contractor in connection with the works as being confidential. The Contractor shall not copy, photograph and/or repeat either wholly, or in part, any of the contract documents referred to above (except insofar as may be necessary in connection with the project). The Contractor shall return to the Principal Agent with his tender, all contract documents issued herewith, and, upon completion of the Works deliver to the Principal Agent all contract documents of any nature pertaining to the project</p> <p>F.....V.....T.....</p>	Item	0
C	<p>Testing of windows for watertightness</p> <p>Each window shall be tested for watertightness with water sprayed on using adequate pressure. If in the opinion of the principal agent, the pressure proves to be inadequate, then the pressure shall be boosted by means of compressed air or other approved means</p> <p>F:..... V:..... T:.....</p>	Item	0
C	<p>Testing of flat roof waterproofing for watertightness</p> <p>Flat roof waterproof areas shall be prepared with small sand dykes around them of a size and enclosing an area approved by the principal agent, flooded with water and kept "ponded" for at least 36 hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing</p> <p>F:..... V:..... T:.....</p>	Item	0

SUMMARY OF CATEGORIES

Category : Fixed

Category : Value

Category : Time

CARRIED TO FINAL SUMMARY

BILL NO. 2

ALTERATIONS

User note

Insert preambles/specifications as may be required or in order to supplement any applicable preambles, specifications or bills of quantities descriptions

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Consider inserting the preambles hereunder when using the abovementioned Model Preambles for Trades 2008

View site

Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials salvageable from the alterations. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained

Explosives

No explosives whatsoever may be used for alteration purposes unless otherwise stated

General

The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to tenants in the building and to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent

Doors, fanlights, windows, fittings, frames, linings, etc which are to remain the property of the employer shall be carefully taken out, temporarily stored, transported over a distance of approximately ?km to store and handed over to the employer

Doors, fanlights, windows, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately

Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc

Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc

With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork

Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary

The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)

REMOVAL EXISTING WORKS

Removal of Existing Structure

Removal of existing structure Carrogated steel sheeting room covering, Timber Round pole rufters, columns and Brickwork on both sides, structure overal dimensions 20X9,5X3,78High

No

1

CARRIED TO FINAL SUMMARY

BILL NO. 3

EARTHWORKS

User note

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The following are typical examples of descriptions of "nature of ground"

Nature of ground

The nature of the ground is assumed to be loose sandy material, therefore "earth", but possibly interspersed with "soft rock" or "hard rock"

The nature of the ground is assumed to be gravel, therefore "earth", but possibly interspersed with "soft rock" or "hard rock"

The nature of the ground is assumed to be silty clay with loose river boulders varying in size up to approximately 450mm diameter, all of which will be deemed as "earth", but possibly interspersed with "hard rock"

Trial holes indicate that the nature of the ground is silty clay to a depth of approximately 500mm with fine to medium loose sandy material below, therefore "earth"

A soils investigation has been carried out on the site by the engineer and the report is annexed to these bills of quantities. 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"

User note

*The following are typical examples of descriptions of
Subterranean water*

No subterranean water is expected. The water table is expected to vary between approximately ?m and ?m 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. 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

User note

When no information regarding density and other tests is available the following preamble in respect of testing may be inserted

Testing

Prices for filling are to include for all necessary density and other tests

SITE CLEARANCE

User note

Where the value is of significance, the removal of hedges etc shall be given separately in meters or in number

Site clearance

Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc and trees not exceeding 200mm girth

BULK EXCAVATION, FILLING, ETC

User note

This section is given as an alternative option and in the event of it being utilised, the excavation, filling, etc other than bulk is to be given in the later section under the appropriate heading If this alternative is not utilised then all excavation, filling, etc (bulk and otherwise) is to be given in the later section under the appropriate heading

EXCAVATIONS ETC

Digging up topsoil

Digging up topsoil to an average depth of 100 mm and preserving for use as filling

m2 270

Open face excavation

m3 9

working space not exceeding 2m all sides

m2 65

FILLING ETC

Earth filling obtained from the excavations, including haulage approximately ?m from perimeter of excavations (not compacted)

In prescribed stock piles on site

Compaction of surfaces

Compaction of natural or excavated ground surface over site by wetting and compacting with Roller passes of a 1 ton vibratory roller	m2	270	
<u>TESTS</u>			
<u>Prescribed tests to determine degree of compaction or other properties of ground or filling</u>			
Modified AASHTO Density test	No	1	
<u>WEED KILLERS, INSECTICIDES, ETC</u>			
<u>Weedkiller (active ingredients metalaclor 102,8 g/l, terbitilasien 248,6 g/l and atrasien 248,6 g/l) mixed in the proportion of 100 ml weedkiller to 100 l water and applied at a rate of 10 l/m²</u>			
Under surface bed etc	m2	270	
CARRIED TO FINAL SUMMARY			
<u>BILL NO 4</u>			
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
<u>User note</u>			
<i>Insert preambles/specifications as may be required or in order to supplement any applicable preambles, specifications or bills of quantities descriptions</i>			
<i>Take note that these Model Bills of Quantities utilise abbreviated descriptions</i>			

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Cost of tests

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)

Breeze concrete

Breeze concrete shall consist of twelve parts clean dry furnace ash, free from coal or other foreign matter, to one part cement (1:12); the ash graded up to particles which will pass a 16,5mm ring from a minimum which fails to pass a 4,75mm mesh. The finer materials from the screening are to be first mixed with the cement into a mortar and the ash added afterwards and thoroughly incorporated

Lightweight concrete

Lightweight concrete shall have a density of 600kg/m³ for the top 50mm and 400kg/m³ for the remaining thickness. The minimum thickness at outlets, channels, etc shall be 50mm

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

UNREINFORCED CONCRETE CAST ON/IN FORMWORK

30MPa/19mm concrete

Surface beds	m3	49
Footing bases	m3	1.5

TEST CUBES

Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	3
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ROUGH FORMWORK (DEGREE OF ACCURACY III)

<u>Rough formwork to sides</u>		
Bases (Provisional)	m2	1
Surface bad	m2	6

REINFORCEMENT

REINFORCEMENT (PROVISIONAL)

Mild steel and high tensile steel reinforcement to structural concrete work

Various Diameter bars

t

0.45

Fabric reinforcement

User note

The following types of fabric reinforcement are normally specified: Types 100, 193, 245, 311 and 395

Type 365 fabric reinforcement in concrete surface beds etc

m2

549

CARRIED TO FINAL SUMMARY

BILL NO 5

MASONRY

User note

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BRICKWORK

Sizes in descriptions

Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick

User note

The following preamble generally applies for works in hot and humid coastal areas

Bagged and sealed walls

Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats bitumen emulsion waterproofing coating

Face bricks

Bricks shall be ordered timeously to obtain uniformity in size and colour

Pointing

Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc

BLOCKWORK

Concrete masonry units

Blocks are to be either solid or hollow modular dense concrete masonry units having a compressive strength of 7MPa

Wall ties for blockwork

Wall ties shall be polypropylene ties complying with BS 76377. Ties for hollow walls shall be of sufficient length to allow not less than 75mm of each end to be built into the blockwork. Ties are to be spaced at intervals of not more than 1m in the horizontal direction and not more than 400mm staggered in the vertical direction except at openings, vertical joints or ends of walls where they are to be placed vertically above each other

Blockwork

Blockwork shall comply with SANS 10145 "Concrete Masonry Construction"
 Surfaces to be plastered shall have joints raked out to a depth of at least 10mm to provide a key. Cavities of hollow walls shall be kept free of mortar droppings or other undesirable matter. Every second perpend of the bottom course of the external skin of hollow walls shall be left open as a weep hole

Standard complementary blocks

Descriptions of blockwork shall be deemed to include standard complementary blocks such as corner, three-quarter, half and quarter blocks required in the construction of corners, reveals, jambs, ends, etc to solid and hollow walls and for bonding as necessary

DECORATIVE BLOCKS

Blocks shall be of approved manufacture, sound, well burnt or cured and uniform and true in size, shape and colour

BRICKWORK

FOUNDATIONS (PROVISIONAL)

Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar in loadbearing walls etc

One brick walls

m2

55

SUPERSTRUCTURE

Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar in loadbearing walls etc

One brick walls

m2

117

CARRIED TO FINAL SUMMARY

BILL NO 5

WATERPROOFING

User note

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Waterproofing

Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs

DAMPPROOFING OF WALLS AND FLOORS

User note

Where SANS 952-1985 in the following headings is not applicable, refer to other suitable construction standards or provide full specifications

One layer type FV dampproof course

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

In walls

m2

78

One layer 375 (500, 1000?) micron orange
polyethylene waterproof sheeting (SANS 952-1985
type A) sealed at laps with PVC self-adhesive tape
Under surface beds

m2

303

CARRIED TO FINAL SUMMARY

BILL NO 6

ROOF COVERINGS, CLADDINGS, ETC

User note

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PROFILED METAL SHEETING AND ACCESSORIES

User note

Profiled metal sheeting is available in various thicknesses Usually Z275 spelter galvanising is used in inland areas and Z600 spelter galvanising for coastal areas. However galvanised sheeting is generally not used in coastal areas When the pitch of troughed roof covering is less than 5 degrees or if dustproofing is required then the description of roof coverings "with side laps sealed" is to be used

Where roof coverings are fixed on top of rigid board insulation to purlins etc they are to be described as such Note that besides galvanised steel, sheeting is also available in corten steel, stainless steel, copper and aluminium

0,65mm Z275 spelter galvanised corrugated steel sheets fixed to steel purlins or rails

WATERBERG TVET COLLEGE - ROOIVAAL FARM
CONSTRUCTION OF FEED STORAGE STRUCTURE
Principal Building Agreement

Roof covering with pitches not exceeding 25 degrees	m2	343	
Side cladding	m2	96	
CARRIED TO FINAL SUMMARY			

BILL NO 6

STRUCTURAL STEELWORK

User note

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Consideration is to be given in specific applications (e.g. where "heavy" steel structures such as in industrial plants, towers for mine shafts, etc are dominant) to implement the principles laid down by the "Measurement for Structural Steelwork" as prepared and recommended by the South African Institute of Steel Construction or any other appropriate principles This bill is, however, based on the building work measuring system

Finishing-off painting is to be included in this trade only when the structural steel contractor is required to execute the work

<u>Descriptions</u>			
Descriptions of bolts shall be deemed to include nuts and washers			
Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and embedding in concrete			
Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete			
<u>STEEL COLUMNS AND BEAMS</u>			
<u>140 x 73mm x 13kg/m, IPE 140 I-section column with one 200 x 90 x 12mm thick mild steel end plate on either side of column, each end plate six time holed for 12mm diameter bolts for connection to rafter on either side.</u>			
140 x 73mm x 13kg/m IPE 140 columns	t		2.275
<u>PURLINS, GIRTS, ETC.</u>			
<u>Purlins and girts, bolted to steel</u>			
120 x 64mm x 10kg/m IPE purlins	t		2.4
250 x 65 x 8mm Thick continuously welded purpose made mild steel channel girt four time holed for 12mm diameter bolts, bolted to column.(Column elsewhere measured)	t		0.6
<u>BRACING, ETC</u>			
<u>Welded bracing etc with flat connection plates, bolted to steel</u>			
<u>Bracing to fit overall size 4000 x 2800mm wide consisting of 20mm Diameter round tension bars with threaded ends, one end threaded into and including 90 x 70mm purpose made cleat welded to internal flange of column, and other end threaded into purpose made 219mm diameter 6mm thick hollow section tension ring, including all necessary nuts and bolts.</u>			
Temporary welded bracing etc with flat connection plates,welded to steel	t		3
CARRIED TO FINAL SUMMARY			

FINAL SUMMARY

- 1 PRELIMINARIES
- 2 EARTHWORKS
- 3 CONCRETE, FORMWORK AND REINFORCEMENT
- 4 MESONRY
- 5 WATERPROOFING
- 6 ROOF COVERING
- 7 STRUCTURAL STEEL

Sub Total

- 3 CONTINGENCY ALLOWANCE

Sub Total

Vat @ 15%

CARRIED TO FORM OF TENDER
