

BID NUMBER: LDPWRI-B/20381

**APPOINTMENT OF CONTRACTOR FOR THE INSTALLATION OF
FENCING, CARPORT AND CONSTRUCTION OF GUARDHOUSE AT
GROBLERSBERGH WEIGH BRIDGE IN THE WATERBERG
DISTRICT THROUGH THE FRAMEWORK CONTRACT CATEGORY C**

for the

**THE LIMPOPO DEPARTMENT OF PUBLIC WORKS, ROADS AND
INFRASTRUCTURE**

Issued by:

Limpopo Department of Public Works, Roads and Infrastructure
Works Towers Building
43 Church Street
Polokwane
0700

Contact Person: General Queries
Name : Mr NJ Motsopye,
Tel No. : 015 284 7126
Email : motsopyen@dpw.limpopo.gov.za

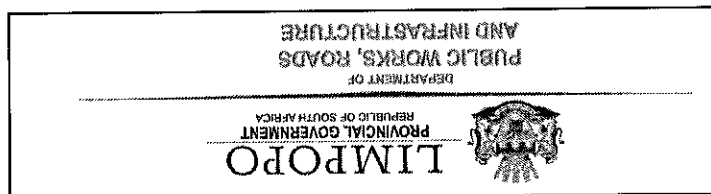
Technical: Technical Queries
Name : Mr. Richard Nthabala
Tel No. : 015 284 7375
Email : nthabala@dpw.limpopo.gov.za

Name of the Bidder :

DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA





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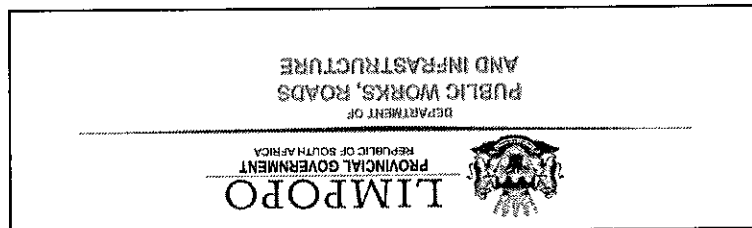
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INSTALLATION OF FENCING, CARPORT AND CONSTRUCTION OF GUARDHOUSE AT GROBLERSBERGH WEIGH
BRIDGE IN THE WATERBERG DISTRICT FOR THE LIMPOPO DEPARTMENT OF PUBLIC WORKS, ROADS AND
INFRASTRUCTURE
CONTRACT No. LDPWRI-B/20381

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PART T1: TENDERING PROCEDURE

1

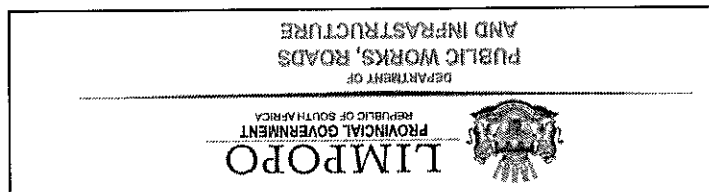
Bidder's initials

T1.1 Tender Notice and Invitation to Tender

The Limpopo Department of Public Works, Roads and Infrastructure invites tenders from contractors appointed on the framework agreement on category C for THE INSTALLATION OF FENCING, CARPORT AND CONSTRUCTION OF GUARDHOUSE AT GROBLERSBERGH WEIGH BRIDGE IN THE WATERBERG DISTRICT for a period of 6 months. It is estimated that tenderers must have a CIDB contractor grading designation of 3 GB or higher.

The conditions of the CIDB Standard for Indirect Targeting for Enterprise Development through Construction Works Contracts Gazette Notice No. 36190 of 25 February 2013 will be applicable on this project

Project Name		THE INSTALLATION OF FENCING, CARPORT AND CONSTRUCTION OF GUARDHOUSE AT GROBLERSBERGH WEIGH BRIDGE IN THE WATERBERG DISTRICT for a period of 6 months.	
Tender Number	LDPWRI-B/20381		
Tender documents availability	Limpopo Department of Public Works, Roads and Infrastructure website		
Address for submission of tenders	DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE. Physical address: Corner River and Blaauwberg Streets, Ladanna, 0699.		
Closing date of the tender	As per Tender invite		
Closing time of the tender	As per Tender invite		
Compulsory briefing meeting (Tenderers must sign the attendance register in the name of the tendering entity. Addenda (if any) will be issued only to those tendering entities appearing on the attendance register)	☒ Yes ☐ No		
Date	As per Tender invite		
Time:	As per Tender invite		
Evaluation criteria	1. Compliance with mandatory or compulsory requirements 2. Risk assessment on current projects 3. Price 4. Preference		
Mandatory or Compulsory Requirements (failure to submit or comply with these requirements will lead to automatic disqualification)	Only tenderers who are appointed on category C registered with the Construction Industry Development Board (CIDB) with designation of 3 GB or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations are eligible to have their tenders evaluated Completed and signed Form of Offer		



T1.2 Tender Data

Clause number	Tender Data
C.1.1	The conditions of tender are the Standard Conditions of Tender as contained in Annex C of Board Notice 423 of 2019 in Government Gazette No. 42622 of 08 August 2019, Construction Industry Development Board (CIDB) Standard for Uniformity in Construction Procurement. (See www.cidb.org.za) which are reproduced without amendment or alteration for the convenience of tenderers as an Annex to this Tender Data. The Standard Conditions of Tender make several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the standard conditions of tender. Each item of data given below is cross-referenced to the clause in the Standard Conditions of Tender to which it mainly applies. The contractor shall achieve in the performance of the contract the Contract Participation Goals (CPG) relating to the engagement of targeted enterprises as established in the CIDB Standard for Indirect Targeting for Enterprise Development through Construction Works Contracts Gazette Notice No. 36190 of 25 February 2013. In this case, contractor shall provide a minimum Contract Participation Goal (CPG) of 5% of the total project value and develop targeted enterprises stated under C3 of this document. The following variations, amendments and additions to the Standard Conditions of Tender as set out in the Tender Data below shall apply to this tender. Add the following to clauses in Standard Conditions of Tender: The Employer is the Department of Public Works, Roads and Infrastructure

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 schedules The Contract Part C1: Agreements and contract data C1.1 Form of offer and acceptance C1.2 Contract data C1.3 Joint Venture Agreement (if Applicable) The Contract Part C2: Pricing data C2.1 Pricing instructions C2.2 Bills of Quantities Part 3: Scope of work C3.1 Special Notes to Bidders C3.2 OHS Specifications Part 4: Site information C4 Drawings	C.1.4 All communications related to this bid should be directed to the persons indicated under Enquiries on this tender document. Attention is also drawn to the fact that verbal information, given by the Employer's agent during site visits/clarification meetings or at any other time prior to the award of the Contract, will not be regarded as binding on the Employer. Only information issued formally by the Employer in writing to Tenderers will be regarded as amending the Tender Documents. The employer reserve to cancel the tender prior to the award of the tender. C1.6.2 A competitive negotiation procedure will not be followed. C1.6.3 A two-stage system will not be followed.	C.2.1 Eligibility in respect of CIDB grading Only tenderers who are appointed on framework agreement category C and registered with the Construction Industry Development Board (CIDB) with designation of 3 GB or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations, are eligible to have their tenders evaluated.	C2.2 Cost of tendering The tenderer accept that, unless otherwise stated in the tender data, the employer will not compensate the tenderer for any costs incurred in the preparation and submission of a tender offer, including the costs of any testing necessary to demonstrate that aspects of the offer complies with requirements	C.2.7 Compulsory site briefing A compulsory briefing meeting will be held as per Tender invite Tenderers must sign the attendance list in the name of the tendering entity. Addenda (if any) will be issued only to those tendering entities appearing on the attendance list.
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C.2.11	Alterations to the documents	Bidders are required to not make any alterations or additions to the tender documents, except to comply with instructions issued by the employer, or necessary to correct errors made by the tenderer. All signatories to the tender offer shall initial all such alterations
C.2.12	Alternative tender offer	No alternative tender offer is permitted in this tender.
C.2.13.2	Replace sub-clause C.2.13.2 with the following: Return all returnable documents to the employer after completing them in their entirety by writing in non-erasable black ink	
C.2.13.3	Parts of each tender offer communicated on paper shall be submitted as an original	
C.2.13.4	The tender shall be signed by a person duly authorized to do so.	
C.2.13.5	The employer's details and address for delivery of tender offers and identification details that are to be shown on each tender offer package are: Location of tender box: DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE. Physical address: Corner River and Blaauwberg Streets, Ladanna, 0699 Identification details: Sealed Tender with Tender reference number, Title of Tender and the closing date and time of the tender.	
C.2.15.1	The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender. Telephonic, telex, facsimile or e-mailed tender offers will not be accepted.	
C.2.16.1	The tender offer validity period is 12 weeks or 90 days.	
C.2.16.2	The tender accepts that a tender submission that has been submitted to the employer may only be withdrawn or substituted by giving the employer's agent written notice before the closing time for tenders that a tender is to be withdrawn or substituted. If the validity period stated in C.2.16 lapses before the employer evaluating tender, the contractor reserves the right to review the price based on Consumer Price Index (CPI).	
C.3.1	The tenderer is required to indicate how they claim points for each preference point system and attached relevant supporting documents. The specific goals for claiming of preference points include the following: - Persons who had no franchise in national elections prior to 1983 and 1993 - Women - Disabled persons - Promotion of SMMEs - Enterprise located in Limpopo Province - Promotion of youth	
C.3.2	CIDB Grading Certificate Tenders are required to provide proof of registration with the CIDB register of contractors indicating the category of registration, grading as well as the CRS number of the tenderer. Letter of Good Standing Tender are required to submit, bound with the tender submission, a letter of good from the compensation commissioner indicating that the bidder is in good standing. Notwithstanding any requests for confirmation of receipt of Addenda issued, the tenderer shall be deemed to have received such addenda if the employer can show proof of transmission thereof (or a notice in respect thereof) via electronic mail, facsimile or registered post.	

C.3.4.1	Tenders will not be opened immediately after the closing time for tenders.
C.3.11	The tenderers will be evaluated in four stages (i) Stage 1: Compliance with mandatory requirements as stated in Part T1.1 (ii) Stage 2: Risk assessment on current projects (iii) Stage 3: Price (iv) Stage 4: Preference The technical capacity (functionality) of the contractors will not be evaluated any further during evaluation of the RFQ. However, the contractors will be required to declare the status of their key staff and any administrative compliance. In cases where there are changes in the key staff, the contractor should provide CVs and qualifications of the new staff to LDPWR&I. The new staff should have similar skills, qualifications and experience as the staff submitted during tender. Similarly, the contractors will be expected to provide an update on any changes in their administrative compliances – and should submit the required SBD document in such cases. The award will only be issued to contractors with valid Tax Clearance certificates, active CIDB grading and the contractor who meets all the legislative requirement – this shall be verified by SCM in line with the departmental SCM Policy. The total value of current projects for a contractor under consideration cannot exceed the twice the maximum value of their relevant CIDB grade.¹
	a) Stage 1: Administrative Compliance: The Compliance or compulsory documents and returnables are detailed in Section T.2.1 of this tender document. Failure to submit, complete or comply with these requirements will lead to automatic disqualification. b) Stage 2: Risk assessment on current projects The total value of current projects for a contractor under consideration cannot exceed the twice the maximum value of their relevant CIDB grade.

Stage 3 and 4:

The procedure for final evaluation of responsive tenders is Method 2 (Financial offer and preference). The total number of tender evaluation points (T_{EV}) shall be determined in accordance with the following formula.

$$T_{EV} = N_{FO} + N_P$$

a) N_{FO} is the number of tender evaluation points awarded for the financial offer made. The score for financial offer is calculated using the following formula:

$$P = A * \left(1 - \frac{P_m}{(P_o - P_m)} \right)$$

Where:

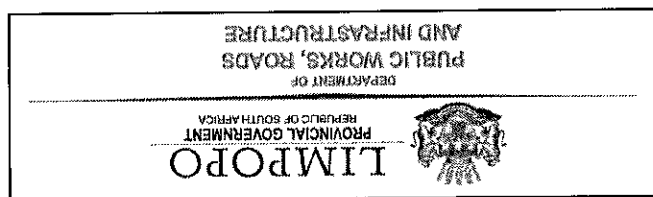
A is 80 since the estimated financial value of works inclusive of VAT is equals or is less than R 50,000,000.00.

P is the points awarded to the bid under consideration

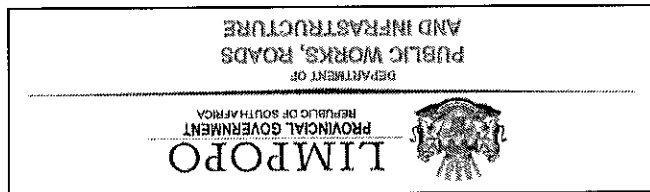
P_m is the lowest Comparative bid price

P_o is the comparative price under consideration

b) N_P is the number of tender evaluation points awarded for preferences claimed in accordance with the Prefencing Schedule in 3.18



PART 12: RETURNABLE DOCUMENTS



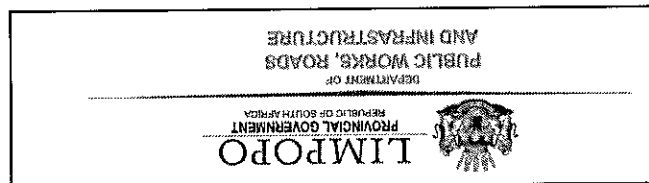
T2.1 : LIST OF RETURNABLE DOCUMENTS

The following documents will form part of the documents submitted to the Contractors as part of the Request for Proposals:

- 2.1 Fully completed Form of Offer
- 2.2 Bills of Quantities
- 2.3 Proof of specific goal for award of the preference points as determined on the Request for Proposal
- 2.4 SBD 6.1.
- 2.5 Declaration on the status of Administration compliance.
- 2.6 CIDB grading certificate
- 2.7 CSD Report
- 2.8 Tax clearance certificate
- 2.9 Declaration of current projects

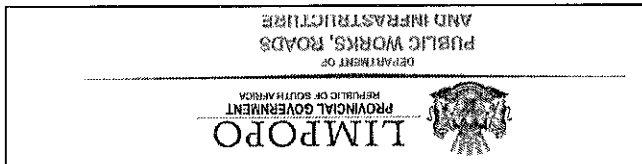
Failure by the service provider to submit or complete item 2.1 or 2.2 will render their proposal not responsive and will not be considered.

The bidder should also not appear on the National Treasury's list of black listed entities



T 2.2 : RETURNABLE SCHEDULE

Document Name	Returnable document
1. Preferencing schedule:	☐ Yes ☐ No
2. Proposed amendments and qualifications (if applicable)	☐ Yes ☐ No
3. SBD 1: Invitation to tender	☐ Yes ☐ No
4. SBD 6.1: Reference Points claim form in terms of the Preferential Procurement Regulations 2017 or amended	☐ Yes ☐ No
5. Form of offer	☐ Yes ☐ No
6. CSD summary report	☐ Yes ☐ No
7. Original tax clearance certificate or tax pin	☐ Yes ☐ No
8. Priced bills of quantities	☐ Yes ☐ No
9. Proof of CIDB class grading: 3 GB or higher.	☐ Yes ☐ No
10. Declaration with regard to current projects	☐ Yes ☐ No



Declaration on the status of administrative compliance

Please indicate, by circling either **Yes** or **No**, whether the administrative information submitted with the original framework tender documents has changed or not. If yes, kindly provide the particulars below with any supporting documents.

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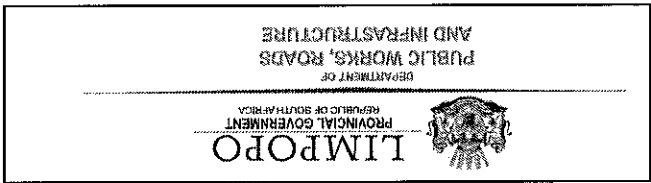
Signed

Date

Name

Position

Enterprise



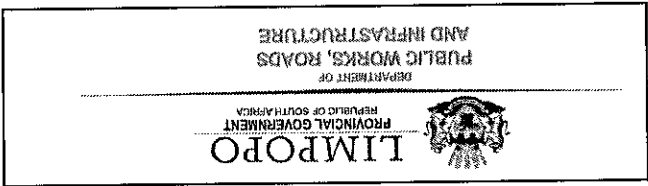
Record of Addenda to tender documents

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

	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

Attach additional pages if more space is required.

Signed _____
 Name _____
 Position _____
 Tenderer _____
 Date _____



Proposed amendments and qualifications

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

Page	Clause or item	Proposal

Signed

Name

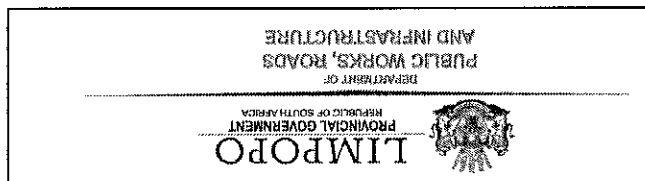
Tenderer

Date

Position

INSTALLATION OF FENCING, CARPORT AND CONSTRUCTION OF GUARDHOUSE AT GROBLERSBERGH WEIGH BRIDGE IN THE WATERBERG DISTRICT FOR THE LIMPOPO DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE

CONTRACT No. LDPWRI-B/20381



SBD 1

PART A: INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE LIMPOPO DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE

BID NUMBER:	DESCRIPTION
LDPWRI-B/20381	INSTALLATION OF FENCING, CARPORT AND CONSTRUCTION OF GUARDHOUSE AT GROBLERSBERGH WEIGH BRIDGE IN THE WATERBERG DISTRICT FOR THE LIMPOPO DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE
CLOSING DATE	As Tender Advert per
CLOSING TIME:	11:00am

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

DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE.

Physical address: Corner River and Blaauwberg Streets, Ladanna, 0699.

BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO

CONTACT PERSON	Mr. NJ Motsopye
TELEPHONE NUMBER	0152847126
E-MAIL ADDRESS	motsopyen@dpmw.limpopo.gov.za
CONTACT PERSON (TECHNICAL)	Mr. Richard Nthabala
TELEPHONE NUMBER	0152847375
E-MAIL ADDRESS	nthabalar@dpmw.limpopo.gov.za

SUPPLIER INFORMATION

NAME OF BIDDER	
POSTAL ADDRESS	
STREET ADDRESS	
TELEPHONE NUMBER	
CODE	
NUMBER	
CELLPHONE NUMBER	
E-MAIL ADDRESS	
VAT REGISTRATION NUMBER	
SUPPLIER COMPLIANCE STATUS	
TAX COMPLIANCE	
SYSTEM PIN:	
OR	
CENTRAL SUPPLIER	
DATABASE No:	MAAA

QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS			
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	[] Yes [] No	ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	[] Yes [] No
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?			
DOES THE ENTITY HAVE A BRANCH IN THE RSA?			
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?			
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?			
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?			
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.
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NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

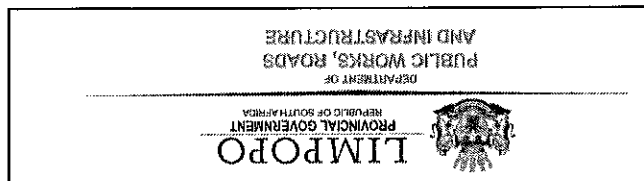
INSTALLATION OF FENCING, CARPORT AND CONSTRUCTION OF GUARDHOUSE AT GROBLERSBERGH WEIGH BRIDGE IN THE
WATERBERG DISTRICT FOR THE LIMPOPO DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE
CONTRACT No. LDPWR-B/20381

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:

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

DATE:



SBD 6.1

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

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

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

1. GENERAL CONDITIONS

- 1.1 The following preference point systems are applicable to invitations to tender:
- 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 To be completed by the organ of state
- a) The applicable preference point system for this tender is the 80/20 preference point system.
- 1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:
- (a) Price; and
 - (b) Specific Goals.
- 1.4 To be completed by the organ of state:

The maximum points for this tender are allocated as follows:

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

- 1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.
- 1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.
2. DEFINITIONS

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

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

3.1.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

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

80/20 or 90/10

$$Ps = 80 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right) \text{ or } Ps = 90 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right)$$

Where

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

PROCUREMENT

POINTS AWARDED FOR PRICE

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

$$PS = 80 \left(1 + \frac{P_{max}}{P_t - P_{max}} \right) \text{ or}$$

80/20

$$PS = 90 \left(1 + \frac{P_{max}}{P_t - P_{max}} \right)$$

or 90/10

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

4. POINTS AWARDED FOR SPECIFIC GOALS

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

- (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
- (b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system, then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

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

The specific goals allocated points in terms of this tender	Number of points allocated (90/10 system) (To be completed by the organ of state)	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (90/10 system) (To be completed by the tenderer)	Number of points claimed (80/20 system) (To be completed by the tenderer)
Persons who had no franchise in national elections prior to 1983 and 1993	-	6		
Women	-	3		
Disabled persons	-	2		
Promotion of SMEs	-	2		

Enterprises located in Limpopo Province	-	4		
Promotion of youth	-	1		
Promotion of enterprises located in rural areas	-	1		
Promotion of enterprises located in the relevant District	-	1		

DECLARATION WITH REGARD TO COMPANY/FIRM

- 4.3. Name of company/firm.....
 4.4. Company registration number:
 4.5. TYPE OF COMPANY/ FIRM

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

[Tick APPLICABLE BOX]

4.6.

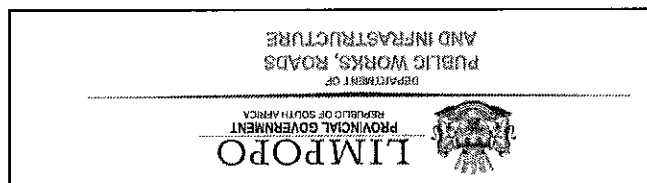
I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –

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

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

INSTALLATION OF FENCING, CARPORT AND CONSTRUCTION OF GUARDHOUSE AT GROBLERSBERGH WEIGH BRIDGE IN THE
WATERBERG DISTRICT FOR THE LIMPOPO DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE
CONTRACT NO. LDPWRI-B/20381



INSTALLATION OF FENCING, CARPORT AND CONSTRUCTION OF GUARDHOUSE AT GROBLERSBERGH WEIGH BRIDGE IN THE WATERBERG DISTRICT FOR THE LIMPOPO DEPARTMENT OF PUBLIC
WORKS, ROADS AND INFRASTRUCTURE
CONTRACT No. LDPWR-B/20381



DECLARATION OF CURRENT PROJECTS

Current value refers to current value of projects for both General Building (GB) and Civil Engineering (CE).

Please list the current projects which your company is busy executing in the table below.

If no projects at the moment the tender must indicate/write on this table

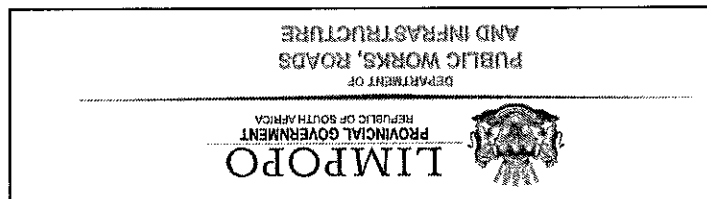
Table 1 List of current projects executed by the bidder

1. Do you have the current projects being executed Yes/No?
2. If Yes, please indicate the details on the table below. Please note that it is compulsory to answer the question and if the answer is yes, complete the table. If the question not answered or the table not completed the points will not be allocated.

Project Description	Project Value	Start date	Planned end date	Client Name	Contact Person number

[illegible]

THE CONTRACT



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:

**INSTALLATION OF FENCING, CARPORT AND CONSTRUCTION OF GUARDHOUSE AT
GROBLERSBERGH WEIGH BRIDGE IN THE WATERBERG DISTRICT**

The tenderer, identified in the offer signature block, has examined the documents listed in the tender data and addenda thereto as listed in the tender schedules, and by submitting this offer has accepted the conditions of tender.

By the representative of the tenderer, deemed to be duly authorized, signing this part of the 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 PRICE INCLUSIVE OF VALUE ADDED TAX IS (CONTRACT PRICE)

Rand (in words): R.....

(in figures) R.....

This offer may be accepted by the employer by signing the acceptance part of this form of offer and acceptance and returning one copy of this document to the tenderer before the end of the period of validity stated in the tender data, whereupon the tenderer becomes the party named as the contractor in the conditions of contract identified in the contract data.

Signature(s)

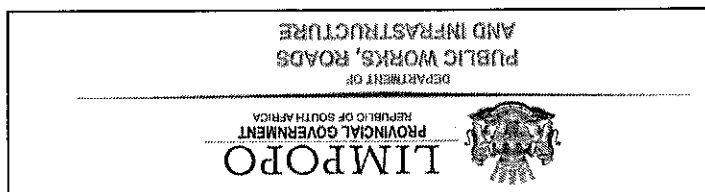
Name(s)

Capacity

For the tenderer:

Name & signature of witness

Date



Acceptance (To be completed by the employer – not the bidder)

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 Consultant 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 Form of Offer and Acceptance)
Part C2	Pricing Data
Part C3	Scope of Work

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

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 Form of Offer and Acceptance. No amendments to or deviations from said documents are valid unless contained in this Schedule.

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. Failure to fulfill 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 original copy of this document, including the Schedule of Deviations (if any). Unless the tenderer (now Consultant) within five working days of the date of such receipt notifies the Employer in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the Parties.

For the Employer

Signature

Name

Capacity

Name and address of organization

Signature and Name of Witness

Signature

Name

Capacity

Schedule of Deviations

1 Subject

Details

2 Subject

Details

3 Subject

Details

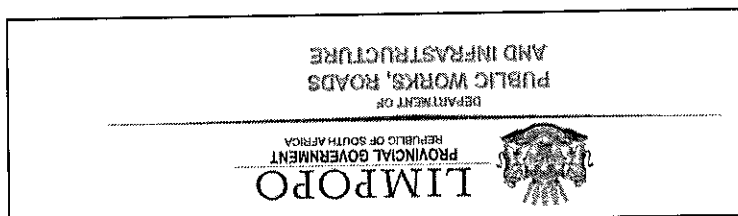
4 Subject

Details

By the duly authorised representatives signing this agreement, the *Employer* and the *Tenderer* agree to and accept the addenda thereto as listed in the returnable 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.

C2.1 CONTRACT DATA



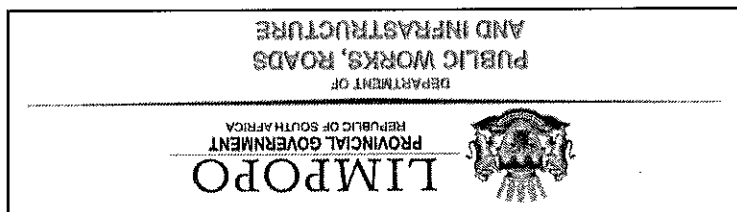
The Conditions of Contract are clauses 1 to 41 of the JBCC Series 2000 Principal Building Agreement (Edition 4.1 of March 2005) published by the Joint Building Contracts Committee.

Copies of these conditions of contract may be obtained from the Association of South African Quantity Surveyors (011-3154140), Master Builders Association (011-205-9000; 057-3526269) South African Association of Consulting Engineers (011-4632022) or South African Institute of Architects (051-4474909; 011-4860684; 053-8312003;)

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.

The contractor shall achieve in the performance of the contract the Contract Participation Goals (CPG) relating to the engagement of targeted enterprises as established in the CIDB Standard for Indirect Targeting for Enterprise Development through Construction Works Contracts Gazette Notice No. 36190 of 25 February 2013."

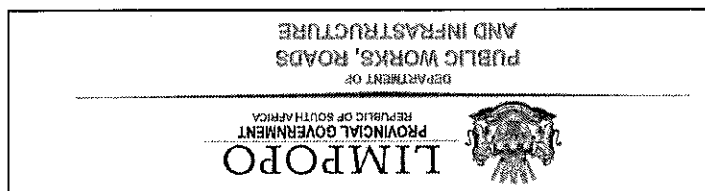
PART C2: PRICING DATA



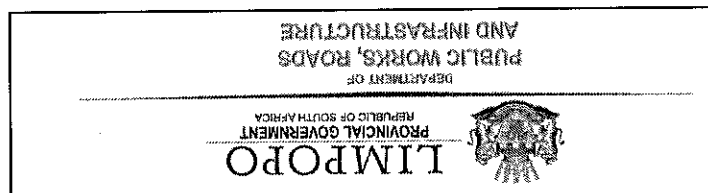
C2.1 Pricing instruction

- The Bills of Quantities have been drawn up in accordance with the Standard System of Measuring Building Work in accordance with the provisions of the Model Bills of Quantities or Electrical Work, published by the South African Association of Quantity Surveyors, (July, 2005).
- The agreement is under the JBCC N/S Subcontractor Agreement for use with the JBCC PBA (Edition 4.1 code 2101 March 2005) form of contract with Preliminaries (Code 2103 May 2005) incorporating the State Provisions of cl 41.0.
- 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.
- The prices and rates in these Bills of Quantities are fully inclusive prices for the work described under the items. Such prices and rates cover all costs and expenses that may be required in and for the execution of the work described in accordance with the provisions of the Scope of Work, and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the Contract Data, as well as overhead charges and profit. These prices will be used as a basis for assessment of payment for additional work that may have to be carried out.
- An item against which no price is entered will be considered to be covered by the other prices or rates in the Bills of Quantities. A single lump sum will apply should a number of items be grouped together for pricing purposes.
- 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 (Preliminaries) of the Bills of Quantities.
- The Bills of Quantities is not intended for the ordering of materials. Any ordering of materials, based on the Bills of Quantities, is at the Contractor's risk.
- The shall set a minimum of 5 % of the project value for sub-contractor determine the amount to be paid for the Contract Participation Goal (CPG).

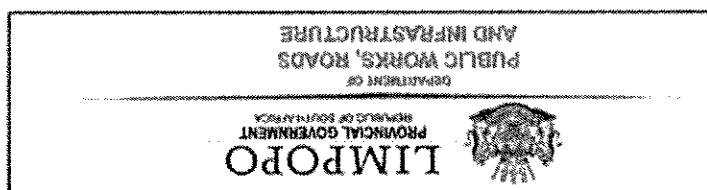
PART C2.2: BILLS OF QUANTITIES



PART C3 SCOPE OF WORKS



PART C3.1: SPECIAL NOTES TO BIDDERS



- The following special conditions are for compliance and attention to bidders:
- 1.1. LDPWR&I reserve the right to call interviews with short-listed bidders before final selection.
 - 1.2. LDPWR&I reserve the right to conduct supplier due diligence prior to final award or at any time during the contract period. This may include surprise site visits.
 - 1.3. LDPWR&I reserve the right to appoint the bidder that proves to be fully capable and qualified to handle and execute the job.
 - 1.4. The proposals submitted must be in line with the detailed specification.
 - 1.5. LDPWR&I reserve the right to cancel or withdraw this bid if:
 - i. Due to changed circumstances, there is no longer a need for this services; or
 - ii. Funds are no longer available to cover the total envisaged expenditure; or
 - iii. No acceptable bids are received; or
 - iv. There is a material irregularity in the Bid process.

- 1.6. In the case of sub-contracting or joint venture agreement, LDPWR&I will enter into a single contract with the principal bidder.
- 1.7. Bidders who are not registered on Central Supplier Database (CSD) must register before submission of bids.
- 1.8. Any completion of the bid document in pencil or erasable ink will not be acceptable and will automatically disqualify the submitted bid.

- 1.9. Successful bidder will be required to sign and enter into a formal contract upon the award.
- 1.10. Notwithstanding shortcomings and/or inconsistencies, if any, in this specification, which is only a minimum specification, a bidder shall make provision for a complete solution that will deliver the required service efficiently and cost-effectively.
- 1.11. Bid documents must be submitted physically to the closing address as reflected on the Request for Quotations.

- 1.12. Quotations received after the closing date and time will not be accepted for consideration.
- 1.13. This request for bid document contains confidential information about LDPWR&I, which has been provided to supply potential bidders with the data necessary to provide a holistic response.

- 1.14. No part of the contents may be used, copied, disclosed or conveyed in whole or in part to any party, in any manner whatsoever without the prior written permission of LDPWR&I.
- 1.15. Any reproduction or transmission of information contained in this document except for the sole purpose of responding to this bid is strictly prohibited.

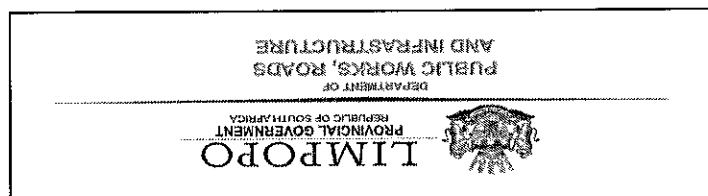
- 1.16. References to LDPWR&I must not be made in any literature, promotional material, and brochures or sales presentations without the express written consent of LDPWR&I.

1.17.

Attachment for Specific Goal Points

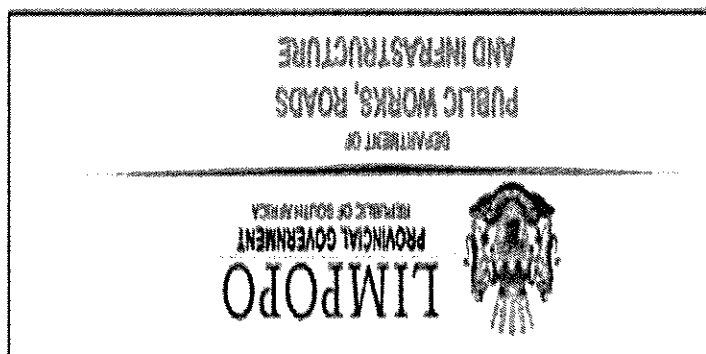
- I. Attach Directors certified copy of South African ID & CK as proof
- II. Attach letter from Health Professional as proof
- III. Attach Financial statement as proof
- IV. Address proof of enterprise address/Lease agreement
- V. Attach proof of enterprise address signed by the local traditional council

PART C3.2: OHS SPECIFICATIONS



PART C4 SITE INFORMATION

C4.1 DRAWINGS



SECTION NO 1

BILL NO. 1

PRELIMINARIES

PRELIMINARIES

All prices/rates to be net, excluding Value Added Tax

General

- i) The agreement is to be the JBCC Series 2000 Principal Building Agreement (Edition 4.1) prepared by the Joint Building Contracts Committee, March 2005
- ii) The preliminaries are to be the JBCC Series 2000 Preliminaries prepared by the Joint Building Contracts Committee, March 2005 edition and shall be deemed to be incorporated herein
- iii) Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading
- iv) Tenderers are referred to the abovementioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary
- v) Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable")

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vi) If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories, where "F" denotes a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value and "T" denotes an amount in proportion to time

vii) Any reference to the words "Tender" or "Tenderer" herein and/or in any other documentation shall be construed to have the same meaning as the words "Bid" or "Bidder"

SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT

Definitions (A1)

Definitions and interpretation (clause 1)

Clause 1.1 Definition of "Agreement" is amended by replacing it with the following:

Agreement means the agreement arising from the signing of the Form of Offer and Acceptance by the parties.

Clause 1.1 Definition of "Bills of Quantities" is amended by adding the following:

"...and the Pricing Instructions contained in the Pricing Data" after the word measuring system.

Clause 1.1 Definition of "Contract Documents" is amended by adding the following:

".....this Agreement and all other documents referenced therein.." after the word this document"

Clause 1.1 Definition of "Contract Drawings" is amended by replacing it with the following:

Contract Drawings means the drawings upon which the tender was accepted and used in preparing the bills of quantities and are available for viewing at the offices of the Principal Agent at the time of tender

Clause 1.1 Definition of "Contract Sum" is amended

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by replacing it with the following:

Contract Sum means the total of prices in the Form of Offer and Acceptance.

Clause 1.1 Definition of "Schedule" is amended by adding the following:

".....and in the **Contract Data**", at the end on the sentence ending with **agreement**

Clause 1.1 Definition of "Commencement Date" is added:

"Commencement date" means the date that the **agreement**, made in terms of the Form of Offer and Acceptance, comes into effect

Clause 1.1 Definition of "Construction Guarantee" is amended by replacing it with the following:

"Construction guarantee" means guarantee at call obtained by the **contractor** from an institution approved by the **employer** in terms of the **employers** construction guarantee form as selected in the **schedule**

Clause 1.1 Definition of "Construction Period" is amended by replacing it with the following:

"Construction period" means the period commencing on the commencement date and ending on the date of practical completion

Clause 1.1 Definition of "Corrupt Practice" is added:

"Corrupt Practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution

Clause 1.1 Definition of "Fraudulent Practice" is added:

"Fraudulent Practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to

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deprive the tenderer of the benefits of free and open competition.

Clause 1.1 Definition of "Interest" is amended by replacing it with the following:

"Interest" means the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999).

Clause 1.1 Definition of "Principal Agent" is amended by replacing it with the following:

"Principal Agent" means the person or entity appointed by the employer and named in the schedule. In the event of a principal agent not being appointed, then all the duties and obligations of a principal agent as detailed in the agreement shall be fulfilled by a representative of the employer as named in the schedule.

Clause 1.1 Definition of "Security" is amended by replacing it with the following:

"Security" means the form of security provided by the employer or contractor, as stated in the schedule, from which the contractor or employer may recover expense or loss

Objective and Preparation (A2 - A14)

Offer, acceptance and performance (clause 2)

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Item
 Value Related
 Item
 Time Related
 Item

R

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3 Documents (clause 3)

Clause 3.2.1 is amended by replacing "14.1" with "14.0"
 Clause 3.7 is amended by the addition of the following:
 The contractor shall supply and keep a copy of the
 JBCC Series 2000 Principal Building Agreement and
 Preliminaries applicable to this contract on the site, to
 which the employer, principal agent and agents shall
 have access at all times.
 Clause 3.10 is amended by replacing the second
 reference to "principal agent" with the word
 "employer"

4

Design responsibility (clause 4)

Fixed
 Value Related
 Time Related
 Item
 Item
 Item

5

Employer's agents (clause 5)

Fixed
 Value Related
 Time Related
 Item
 Item
 Item

6

Contractor's site representative (clause 6)

Fixed
 Value Related
 Time Related
 Item
 Item
 Item

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Compliance with laws and regulations (clause 7)		Note: A separate clause has been included in Section C: Specific Preliminaries of the bills of quantities for the contractor to have the opportunity to price for all the requirements of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification		Value Related		Time Related		Fixed		Value Related		Time Related	
Works risk (clause 8)													
Fixed													
Value Related													
Time Related													
Carried to Collection													
Section No. 1													
PRELIMINARIES													
Bill No. 1													
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9 Indemnities (clause 9)

Clause 9.0 is amended by adding Clause 9.1.4:

The **contractor** indemnifies and holds harmless the **employer** against all liability, losses, 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 or part thereof otherwise than in accordance with the provisions of the specification. All payments and royalties payable in one sum or by installments 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.

Fixed
 Value Related
 Time Related

Item
 Item
 Item

10 Works Insurances (clause 10)

Clause 10.0 is amended by the addition of the following clauses

10.5 Damage to the Works

(a) Without in any way limiting the **contractor's** obligations in terms of the contract, the **contractor** shall bear the full risk of damage to and/or destruction of the **works** by whatever cause during construction of the **works** and hereby indemnifies and holds harmless the **employer** against any such damage. The **contractor** shall take such precautions and security measures and other steps for the protection and security of the **works** as the

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contractor may deem necessary

- (b) The contractor shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works
- (c) The employer shall carry the risk of damage to or destruction of the works and material paid for by the employer that is the result of the excepted risks as set out in 10.6

- (d) Where the employer bears the risk in terms of this contract, the contractor shall, if requested to do so, reinstate any damage or destroyed portions of the works and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof

10.6 Injury to Persons or loss of or damage to Properties

- (a) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the works unless due to any act or neglect of any person for whose actions the employer is legally liable

- (b) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person, arising out of or in the course of or by reason of the execution of the works unless due to any act or neglect of any person for whose actions the employer is legally liable

- (c) The contractor shall, upon receiving a contract instruction from the principal agent, cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the employer shall be entitled to cause it to be made good and to recover the

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cost thereof from the **contractor** or to deduct the same from amounts due to the **contractor**

- (d) The **contractor** shall be responsible for the protection and safety of such portions of the premises placed under his control by the **employer** for the purpose of executing the **works** until the issue of the **certificate of practical completion**

- (e) Where the execution of the **works** involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the **contractor** shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the **works** has been completed

- (f) The **contractor** shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the **works**

10.7 High risk insurance

In the event of the project being executed in a geological area classified as a "High Risk Area", that is an area which is subject to highly unstable subsurface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:

10.7.1 Damage to the works

The **contractor** shall, from the commencement date of the **works** until the date of the **certificate of practical completion** bear the full risk of and hereby indemnifies and holds harmless the **employer** against any damage to and/or destruction of the **works** consequent upon a catastrophic ground movement as mentioned above. The **contractor** shall take such precautions and security measures and other steps for the protection of the **works** as he may deem necessary

When so instructed to do so by the principal agent, the **contractor** shall proceed immediately to remove and/or

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dispose of any debris arising from damage to or
 destruction of the works and to rebuild, restore, replace
 and/or repair the works, at the contractor

**10.7.2 Injury to persons or loss of or damage to
 property**

The contractor shall be liable for and hereby
 indemnifies and holds harmless the employer against
 any liability, loss, claim or proceeding arising at any time
 during the period of the contract whether arising in
 common law or by statute, consequent upon personal
 injuries to or the death of any person whomsoever
 resulting from, arising out of or caused by a catastrophic
 ground movement as mentioned above

The contractor shall be liable for and hereby
 indemnifies the employer against any and all liability,
 loss, claim or proceeding consequent upon loss of or
 damage to any moveable or immovable or personal
 property or property contiguous to the site, whether
 belonging to or under the control of the employer or any
 other body or person whomsoever arising out of or
 caused by a catastrophic ground movement, as
 mentioned above, which occurred during the period of
 the contract

10.7.3 It is the responsibility of the contractor to ensure
 that he has adequate insurance to cover his risk and
 liability as mentioned in 10.7.1 and 10.7.2. Without
 limiting the contractor's obligations in terms of the
 contract, the contractor shall, within twenty-one (21)
 calendar days of the commencement date but before
 commencement of the works, submit to the employer
 proof of such insurance policy, if requested to do so

10.7.4 The employer shall be entitled to recover any
 and all losses and/or damages of whatever nature
 suffered or incurred consequent upon the contractor's
 default of his obligations as set out in 10.7.1; 10.7.2 and
 10.7.3. Such losses or damages may be recovered from
 the contractor or by deducting the same from any
 amounts still due under this contract or under any other
 contract presently or hereafter existing between the
 employer and the contractor and for this purpose all
 these contracts shall be considered one indivisible
 whole

Fixed

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Item

R

11	Liability insurances (clause 11)	Value Related	Item
		Time Related	Item
		Fixed	Item
		Value Related	Item
		Time Related	Item
12	Effecting insurances (clause 12)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
13	No clause (clause 13)		
			Item
14	Security (clause 14)		
	Clause 14.0 is amended by:-		
	i) The addition of the following clauses:-		
	Clause 14.7.3		
	"Hand the site over to the contractor subject to agreement that shall be made between the employer and the contractor"		
		Fixed	Item
		Value Related	Item
		Time Related	Item
	Carried to Collection		

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Execution (A15 - A23)

15	Preparation for and execution of the works (clause 15)	Clause 15.1.1 is amended by replacing it with: No clause Clause 15.1.2 is amended by replacing it with: The security selected in terms of 14.0 Clause 15.1 is amended by the addition of the following clause: 15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993) or latest edition, revision and amendments, within twenty-one (21) calendar days of commencement date Clause 15.2.1 is amended by replacing it with the following clause: Give the contractor possession of the site within ten (10) working days of the contractor complying with the terms of 15.1	
16	Access to the works (clause 16)	Fixed Value Related Time Related	Item Item Item
17	Contract instructions (clause 17)	Fixed Value Related Time Related	Item Item Item
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18 Setting out of the works (clause 18)
 Time Related
 Item

The contractor shall notify the principal agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc. exist in order that the necessary arrangements may be made for the rectification of any such encroachments

The contractor shall perform tolerance control checks regularly throughout the contract period and report on this at regular interval to the Principal Agent in the approved format. Should the contractor fail to comply with this requirement to the satisfaction of the Principal Agent, progressively as the structure is being constructed, the Employer will commission a Registered Land Surveyor to do so on the Contractor's behalf and at the Contractor's Expense.

Fixed
 Value Related
 Time Related
 Item
 Item
 Item

19 Assignment (clause 19)

Fixed
 Value Related
 Time Related
 Item
 Item
 Item

20 Nominated sub-contractors (clause 20)

Fixed
 Value Related
 Time Related
 Item
 Item
 Item

Clause 20.0
 Clause 20.1.3 is amended by replacing it with the following:
 No Clause

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21	Selected sub-contractors (clause 21)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
22	Employer's direct contractors (clause 22)			
	<i>The Contractor shall allow the direct contractors and employers agents access to the work, allocate reasonable space in the building for storage of their materials, tools and equipment, all to the satisfaction of the Principal Agent. The contractor shall also allow the direct contractors, etc. free of charge, use of their ablution facilities and water and power supply to the and shall in no way hinder or prevent the execution of their works. Attendance may be priced against the relevant specified items in the bills of quantities.</i>	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
23	Contractor's domestic sub-contractors (Clause 23)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
COMPLETION				
Completion (A24-A30)				
24	Practical completion (clause 24)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
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25	Works completion (clause 25)	Fixed	Item			
		Value Related	Item			
		Time Related	Item			
26	Final completion (clause 26)					
		Fixed	Item			
		Value Related	Item			
		Time Related	Item			
27	Latent defects liability period (clause 27)					
		Fixed	Item			
		Value Related	Item			
		Time Related	Item			
28	Sectional completion (clause 28)					
		Fixed	Item			
		Value Related	Item			
		Time Related	Item			
29	Revision of date of practical completion (clause 29)					
	Clause 29.1.1 shall be deemed to be omitted and replaced by the following:					
	Inclement weather shall be defined as weather in excess of the average rainfall (volume and period) for each calendar month over the past ten (10) years as recorded by the nearest commonly recognised weather bureau in the region of the project					
	It shall be deemed that the contractor has adequately allowed in his programme and tendered rates for expenses which might result from delays due to average or below rainfall as described above					
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Add Clause 29.9 as follows:
 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."

Add Clause 29.10 as follows:
 Clause 29.10 - Acceleration

Clause 29.10.1
 Irrespective of whether or not the principal agent rules that the **contractor** is entitled to an extension of time or a revision of the date for **practical completion**, the **principal agent** shall nevertheless, at any time, be entitled to instruct the **contractor** in writing to accelerate the progress of the remaining **works** to ensure that the **works** are completed by the original date for **practical completion** or revised date as the case may be.

Clause 29.10.2
 Upon receipt of such instruction, the **contractor** shall take all necessary steps to ensure that the **works** are completed timeously including the provision by him of additional resources, plant, manpower, etc and the working overtime or additional overtime beyond that contemplated at the time of tender (at all times adhering to the regulations and requirements of all authorities) and by all other adequate and proper means and methods. The **contractor** shall prove that such steps are being taken if called upon to do so.

Clause 29.10.3
 The **contractor's** entitlement to compensation arising out of or in respect of any revision to the date for **practical completion** that may have been granted by the **principal agent** or alternatively where the **principal agent** has instructed the **contractor** to accelerate, shall be adjudicated strictly in terms of clause 32.

Fixed
 Value Related

Carried to Collection

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	Section No. 1	PRELIMINARIES	PRELIMINARIES & GENERAL
30	Penalty for non-completion (clause 30)	Clause 30 is amended by replacing reference to 36.3 at end of sentence with 36.0	
	Time Related		
	Value Related		
	Fixed		
31	Interim payment to the contractor (clause 31)	Clause 31.9 is amended by replacing "seven (7) calendar days" with "thirty (30) calendar days" and by deleting the words "subject to the contractor giving the employer a tax invoice for the amount due"	
	Time Related		
	Value Related		
	Fixed		
	Payment (A31 - A35)		
32	Adjustment to the contract value (clause 32)	Clause 32.0	Clauses 32.5.1, 32.5.4 and 32.5.7 are amended by the addition of the following at the end of the sentence: "due to no fault of the contractor"
	Time Related		
	Value Related		
	Fixed		
	Carried to Collection		

Recovery of expense and loss (clause 33)

Final account and final payment (clause 34)

Clause 34.2 is amended by inserting # next to 34.2

Clause 34.13 is amended by replacing "seven (7) calendar days" with "thirty (30) calendar days" and deleting the words "subject to the employer giving the contractor a tax invoice for the amount due"

item

item

item

Payment to other parties (clause 35)

Item	Value
1	100
2	200
3	300
4	400
5	500
6	600
7	700
8	800
9	900
10	1000

Item	Value
1	100
2	200
3	300
4	400
5	500
6	600
7	700
8	800
9	900
10	1000

item

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Cancellation (A36-A39)

36 Cancellation by employer - contractor's default (clause 36)

Clause 36.1 is amended by the additions of the following clauses:

36.1.3 refuses or neglects to comply strictly with any of the conditions of contract

36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa

36.1.5 in the judgement of the employer, has engaged in corrupt or fraudulent practices in competing for or in executing the contract

Clause 36.3 is amended by removing the reference to "No clause" and replacing the words "principal agent" with "employer"

Clause 36.0 is amended by the addition of the following clause:

36.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor, or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever

Fixed

Value Related

Time Related

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37 Cancellation by employer - loss and damage (clause 37)

Clause 37.3.5 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)"

Clause 37.0 is amended by the addition of the following clause:

37.5 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever

Fixed

Value Related

Time Related

Item

Item

Item

38

Cancellation by contractor - employer's default (clause 38)

Clause 38.5.4 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)"

Clause 38.0 is amended by the addition of the following clause:

38.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever

Fixed

Value Related

Time Related

Item

Item

Item

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39 Cancellation - cessation of the works (clause 39)

Clause 39.3.5 is amended by the addition of the following at the end of the sentence: "within one hundred and twenty (120) working days of completion of such report"

Fixed

Value Related

Time Related

Item

Item

Item

Dispute Settlement (A40)

40 Disputes Settlement (clause 40)

Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years"

Clause 40.6 is amended by removing the reference to:

No clause

Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following:

Whether or not mediation resolves the dispute, the parties shall bear their own cost concerning the mediation and equally share the costs of the mediator and related costs.

Fixed

Value Related

Time Related

Item

Item

Item

State Provision (A41)

41 State Substitutions (clause 41)

Delete in the Substitute Provisions (41.0 State Clauses) clauses 40.2.1, 40.2.2, 40.3, 40.4, 40.5 and 40.6 and replace with the following:

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40.1 Should any dispute between the employer, his agents or principal agent on the one hand and the contractors on the other arise out of this agreement, such dispute shall be referred to adjudication.

40.2 Adjudication shall be conducted in accordance with the edition of the JBC Rules for Adjudication current at the time when the dispute is declared. The party, which raises the dispute, shall select three adjudicators from the panel of adjudicators published by the South African Institution of Civil Engineering or Association of Arbitrators (Southern Africa), determine their hourly fees and confirm that these adjudicators are available to adjudicate the dispute in question. The other party shall then select within 7 days one of the three nominated adjudicators, failing which the chairman for the time being of the Association of Arbitrators (Southern Africa) shall nominate an adjudicator. The adjudicator shall be appointed in terms of the Adjudicators Agreement set out in C1.4.

40.3 If provided in the schedule, a dispute shall be finally settled by a single Arbitrator to be agreed on between the parties or, failing such agreement within 28 days after referring the dispute to Arbitration, an Arbitrator nominated by the chairman for the time being of the Association of Arbitrators (Southern Africa). Any such reference shall be deemed to be a submission to the arbitration of a single arbitrator in terms of the Arbitration Act (Act No 42 of 1965, as amended), or any legislation passed in substitution therefore. In the absence of any other agreed procedure, the arbitration shall take place in accordance with the Rules for the Conduct of Arbitrations issued by the Association of Arbitrators (Southern Africa) which are current at the time of the referral to arbitration. The Arbitrator shall, in his award, set out the facts and the provisions of the contract on which his award is based.

40.4 If the schedule provides for court proceedings to finally resolve disputes, disputes shall be determined by court proceedings.

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42

Contract Variables (A41)

The Schedule (clause 42)

*Tenderers are referred to the Contract Data and
 Notes to Tenderers for variable pertaining to this
 contract*

Fixed

Value Related

Time Related

Item

Item

Item

Fixed

Value Related

Time Related

Item

Item

Item

SECTION B: PRELIMINARIES

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Definition and interpretation (B1)		Definition and interpretation		See also clause A1.0 of Section A for additional and/or amended definitions which shall apply equally to this Section		Fixed		Item
		Value Related				Fixed		Item
		Time Related				Fixed		Item
Documents (B2)		Checking of documents (B2.1)		These bills of quantities:		(1) contain pages and annexes as indexed, and;		(2) are in multiple procurement format, i.e. all trades are fully measured with minor budgetary allowances
						Items in these bills of quantities are to be read and priced in conjunction with the descriptions regarded as amplified by the Model Preambles for Trades, 2008 edition, as recommended and published by the Association of South African Quantity Surveyors and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained		Fixed
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		Value Related		Value Related		Fixed		Item
		Time Related		Time Related		Fixed		Item
		Value Related		Value Related		Fixed		Item
		Time Related		Time Related		Fixed		Item
		Value Related		Value Related		Fixed		Item
		Time Related		Time Related		Fixed		Item
		Value Related		Value Related		Fixed		Item
		Time Related		Time Related		Fixed		Item
		Value Related		Value Related		Fixed		Item
		Time Related		Time Related		Fixed		Item
		Value Related		Value Related		Fixed		Item
		Time Related		Time Related		Fixed		Item
		Value Related		Value Related		Fixed		Item
		Time Related		Time Related		Fixed		Item
		Value Related		Value Related		Fixed		Item
		Time Related		Time Related		Fixed		Item
		Value Related		Value Related		Fixed		Item
		Time Related		Time Related		Fixed		Item
		Value Related		Value Related		Fixed		Item

46	Availability of construction documentation (B2.3)	The minor budgetary allowances included in this document will be separately procured, based on multiple procurement of selected sub-contractors during the construction period	Fixed	Item
			Value Related	Item
			Time Related	Item
47	Interests of agents (B2.4)		Fixed	Item
			Value Related	Item
			Time Related	Item
48	Priced documents (B2.5)		Fixed	Item
			Value Related	Item
			Time Related	Item
49	Tender submission (B2.6)	Notwithstanding anything contained in this clause tenders shall be valid for a period of ninety (90) days from the closing date of tenders	Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer and Acceptance C1.1"	Fixed
			Value Related	Item
			Time Related	Item
			Carried to Collection	

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The site (B3)

50	Defined works area (B3.1)	Fixed	Item
		Value Related	Item
		Time Related	Item
51	Geotechnical investigation (B3.2)	Fixed	Item
		Value Related	Item
		Time Related	Item
52	Inspection of the site (B3.3)	Fixed	Item
		Value Related	Item
		Time Related	Item
	<i>Tenderers are instructed to familiarise themselves before submission of their tender with regard to the relevant local site conditions, site accessibility, the nature of operations required, availability of labour and any conditions pertaining thereto, together with conditions relating to unloading, carting and storage of materials, equipment and tools required for the works.</i>		
	<i>No claims for extras arising from the contractor having failed to comply with this clause will be entertained</i>		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
53	Existing premises occupied (B3.4)	Fixed	Item
		Value Related	Item
		Time Related	Item

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54	Previous work - dimensional accuracy (B3.5)	Fixed	Item
<i>Work executed under a previous contract and the extent thereof will be pointed out to the contractor by the principal agent on handing over of the site</i>			
55	Previous work - defects (B3.6)	Fixed	Item
		Value Related	Item
		Time Related	Item
56	Services - known (B3.7)	Fixed	Item
		Value Related	Item
		Time Related	Item
57	Services - unknown (B3.8)	Fixed	Item
		Value Related	Item
		Time Related	Item
58	Protection of trees, etc (B3.9)	Fixed	Item
		Value Related	Item
		Time Related	Item
59	Articles of value (B3.10)	Fixed	Item
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4. shall be in sufficient and approved detail to ensure effective control of the work, including all items necessary to enable calculations to be made for the distribution of finance during the cashflow analysis.
 5. shall be accompanied by a full written method statement

The principal agent shall examine and comment on the contract programme and method statement within two weeks of its submission.

Following on these comments the contractor shall amend the contract programme and method statement as may be necessary and submit the final contract programme and method statement to the principal agent for approval within a further two weeks thereafter.

The contract programme shall be processed by computer and be presented to the principal agent in the form of logic charts and bar charts in such a way as to determine the critical path and the float on non-critical activities. All supporting printouts must be available to the principal agent on demand.

The acceptance by the principal agent of the contract programme, or any revision thereof, does not necessarily sanction the accuracy or validity of the network logic, the correctness of individual activities in terms of description or duration, the comprehensiveness of networks or the discrepancies between drawings and any other documents presented by the contractor, and in no way relieves the responsibility of the contractor to comply with the requirements of the Agreement.

No policy decisions other than the planning requirements, procedures and policies provided, will be enforced on the contractor regarding construction of the project and the contractor shall be responsible at all times for ensuring the accuracy, validity and reasonableness of programming information.

Documentation will not be available in complete detail at the date of award of the contract. Non-availability of information will not be deemed an excuse for non-presentation of programmes. In the event of inadequate information, the contractor shall estimate the predicted time applications on available information and quality the submission accordingly.

Development of the contract programme and method

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statement

Within two weeks of award of the contract, the contractor shall submit an updated contract programme and written method statement which shall include the latest information in sufficient detail to permit comprehensive monitoring.

Progress of the works will be monitored by the principal agent. The contractor shall liaise with the principal agent in order to provide whatever information is required to facilitate such monitoring.

Revisions to the contract programme

Revisions to the contract programme may be introduced periodically by the contractor subject to compliance with the contract completion and handover dates.

Providing the required consultation between the relevant parties has highlighted the implications of the required changes, the programming strategy on the project may be changed and the changes noted and specified on logic charts delivered to the principal agent. The changes to the programme will be recorded as firm and binding once the principal agent has sanctioned the said changes.

A revision to the programme will not invalidate the contractual completion dates and applications for extensions of time will be processed by the principal agent in accordance with the conditions of contract.

Should the contractor fail to submit a request for revision to the construction programme, progress monitoring shall be based on the latest revised programme sanctioned by the principal agent.

The contractor shall make all his necessary revisions on the approved network sheets clearly marking, inter-alia, the logic changes and duration changes. These will then be processed by the necessary parties and then approved in the normal manner.

Progress Monitoring

The contractor shall provide regular progress reports showing actual and expected progress against the latest contract programme. Progress reports shall be submitted at each site progress meeting and shall

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outline the progress against key target dates and deviation which has occurred against the most recently updated control programme due to the progress reflected in the as-built construction programme. The status of each activity must also be reported as follows: Target - If the activity is not complete, the latest predicted completion date shall be supplied. Start - If the activity has commenced, the actual date shall be supplied. Finish - If the activity is complete, the actual completion date shall be supplied. Problems which may occur during execution of the contract must be specifically identified in progress reports under a separate section of the contractor's report. Should problems occur during the execution of the contract or the scope of work be increased or decreased, the contractor may be requested to increase the extent or the detail of the programme. The principal agent may recommend action to be taken by the contractor, including the revision of resource levels, but this information will not be binding on the contractor unless the recommendations are enforced in terms of the conditions of contract by the principal agent and will in no way relieve the contractor's responsibility to comply with the requirements of the Agreement. Extension of time Any extension of time which is granted by the principal agent will be annotated to affect selected activities in the programme and the associated activities will be incorporated by revisions to the programme by the contractor. Should the additional activities or the extension of time on existing activities fall on a non-critical area of the programme, extension will be limited to the activities affected by the said additional activities or extensions and the contract dates shall not be affected. If, however, the additional activities fall on the critical path, the principal agent shall take this into account when granting any extension of time in terms of the conditions of contract.	outline the progress against key target dates and deviation which has occurred against the most recently updated control programme due to the progress reflected in the as-built construction programme. The status of each activity must also be reported as follows: Target - If the activity is not complete, the latest predicted completion date shall be supplied. Start - If the activity has commenced, the actual date shall be supplied. Finish - If the activity is complete, the actual completion date shall be supplied. Problems which may occur during execution of the contract must be specifically identified in progress reports under a separate section of the contractor's report. Should problems occur during the execution of the contract or the scope of work be increased or decreased, the contractor may be requested to increase the extent or the detail of the programme. The principal agent may recommend action to be taken by the contractor, including the revision of resource levels, but this information will not be binding on the contractor unless the recommendations are enforced in terms of the conditions of contract by the principal agent and will in no way relieve the contractor's responsibility to comply with the requirements of the Agreement. Extension of time Any extension of time which is granted by the principal agent will be annotated to affect selected activities in the programme and the associated activities will be incorporated by revisions to the programme by the contractor. Should the additional activities or the extension of time on existing activities fall on a non-critical area of the programme, extension will be limited to the activities affected by the said additional activities or extensions and the contract dates shall not be affected. If, however, the additional activities fall on the critical path, the principal agent shall take this into account when granting any extension of time in terms of the conditions of contract.
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The contractor agrees that the contract completion date (i.e. the date for practical completion) has been stipulated in the contract for the benefit of the employer, so that, without derogating from the generality of the foregoing principle it is provide that:

1. The contractor shall not be entitled to deliver the site and the works to the employer prior to the contract completion date and
2. Should there for any reason be any float period indicated in the contract programme prior to the contractual completion date then this float period shall be utilized to absorb any delays or extensions of time without affecting the contract completion date.
3. The contractor shall, at all times, ensure that, notwithstanding the approval or sanctioning, reviewing or inspection of a programme or any revision of a programme by the principal agent in the foregoing terms, practical completion and completion of the works shall take place strictly in accordance with this Agreement.

A defective or faulty programme, even if so sanctioned, approved, reviewed or inspected by the principal agent, shall therefore not constitute a cause for granting an extension of time for completion of the works or for entitling the contractor to the payment by the employer in terms of the contract of any loss, compensation or damage whatsoever.

The contractor acknowledges that the principal agent's foregoing participation in the approval of development of, revisions to and updating of the Contract Programme shall take place in consultation with the principal agent. The contractor shall therefore provide the principal agent with such co-operation and/or information and/or access as they may reasonably require for such purposes.

Fixed

Value Related

Time Related

Item

Item

Item

R

63	Progress meetings (B4.3)	Fixed	Item
		Value Related	Item
		Time Related	Item
64	Technical meetings (B4.4)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
65	Labour and plant records (B4.5)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
	<u>Samples, shop drawings and manufacturer's instructions (B5)</u>		
66	Samples of materials (B5.1)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
67	Workmanship samples (B5.2)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
68	Shop drawings (B5.3)		
		Fixed	Item

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69	Compliance with manufacturer's instructions (B5.4)	Value Related	Item
		Time Related	Item
		Fixed	Item
		Value Related	Item
		Time Related	Item
<u>Temporary works and plant (B6)</u>			
70	Deposits and fees (B6.1)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
71	Enclosure of the works (B6.2)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
72	Advertising (B6.3)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
73	Plant, equipment, sheds and offices (B6.4)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
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74	Main notice board (B6.5)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
75	Subcontractors notice board (B6.6)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<u>Temporary services (B7)</u>			
76	Location (B7.1)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
77	Water (B7.2)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
78	Electricity (B7.3)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
79	Telecommunication facilities (B7.4)	Fixed	Item	
		Value Related	Item	
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80	Abolition facilities (B7.5)	Time Related	Item
81	<u>Prime cost amounts (B8)</u> Responsibility for prime cost amounts (B8.1)	Fixed	Item
		Value Related	Item
		Time Related	Item
82	<u>Attendance on nominated and selected subcontractors (B9)</u> General attendance (B9.1) The schedule rates providing for attendance on nominated subcontractors and other contractors, will be adjusted only if the scope of the work has changed	Fixed	Item
		Value Related	Item
		Time Related	Item
83	Special attendance (B9.2)	Fixed	Item
		Value Related	Item
		Time Related	Item
84	Commissioning - Fuel, water and electricity (B9.3)	Fixed	Item
		Value Related	Item
		Carried to Collection	

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85	Financial aspects (B10)	Statutory taxes, duties and levies (B10.1)	Provision is made in the summary of these bills of quantities for the inclusion of Value Added Tax (VAT)	Fixed	Item
		Value Related		Item	
		Time Related		Item	
86	Payment of preliminaries (B10.2)	Fixed		Item	
		Value Related		Item	
		Time Related		Item	
87	Adjustment of preliminaries (B10.3)	Clauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) working days of taking possession of the site" with "when submitting his priced bills of quantities"	Fixed	Item	
		Value Related		Item	
		Time Related		Item	
88	Payment certificate cash flow (B10.4)	Fixed		Item	
		Value Related		Item	
		Time Related		Item	
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General (B11)					
89	Protection of works (B11.1)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
90	Protection/isolation of existing/sectionally occupied works(B11.2)				
		Fixed	Item		
		Value Related	Item		
		Time Related	Item		
91	Site security (B11.3)				
		Fixed	Item		
		Value Related	Item		
		Time Related	Item		
92	Notice before covering work (B11.4)				
		Fixed	Item		
		Value Related	Item		
		Time Related	Item		
93	Disturbance (B11.5)				
		Fixed	Item		
		Value Related	Item		
		Time Related	Item		
94	Environmental disturbance (B11.6)				
		Fixed	Item		
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95	Works cleaning and clearing (B11.7)	Time Related	Item
		Value Related	Item
		Fixed	Item
		Value Related	Item
		Time Related	Item
96	Vermis (B11.8)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
97	Overhand work (B11.9)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
98	Instruction manuals and guarantees (B11.10)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
99	As built information (B11.11)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
Carried to Collection			

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100	Tenant installations (B11.12)			
101	Schedule of variables (B12) Pre-tender information (B12.1) This schedule contains all variables referred to in this document and is divided into pre-tender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of these Preliminaries.	Fixed	Value Related	Time Related
		Item	Item	Item
			Value Related	Time Related
		Item		
	12.1.1 Provisional bills of quantities (B12.1.1)			
	The quantities are provisional:			
	Yes			
	12.1.2 Availability of construction documentation (B12.1.2)			
	Construction documentation is complete:			
	Yes			
	12.1.3 Interest of agents (B12.1.3)			
	No			
	12.1.4 Defined works area (B12.1.4)			
	The area of the works to be occupied by the contractor, any restriction on the area and the limit of access or exit will be pointed out to the contractor by the principal agent on handing over of the site			
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	Yes	No
12.1.5 Geotechnical investigation (B12.1.5)	The geotechnical report is available for viewing at the offices of the Principal Agent	
12.1.6 Existing premises occupied (B12.1.6)	[3.4] Specific requirements: The contractor shall execute the works with as little noise and disturbance as possible	
12.1.6 Existing premises occupied	[3.4] Specific requirements: The contractor shall execute the works with as little noise and disturbance as possible	
12.1.7 Previous work - Dimensional accuracy (B12.1.7)	[3.5] Details: No additional details	
12.1.8 Previous work - defects	[3.6] Details: No additional details	
12.1.9 Services - known (B12.1.9)		
Existing services and points of connection are shown on the site plan and/or will be pointed out on site by the principal agent		
12.1.10 Protection of trees	[3.9] Specific requirements: No trees to be damaged or removed except those specifically designated in writing by the Architect	

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12.1.11 Inspection of adjoining properties

[3.11] Specific requirements:
 None

12.1.12 Enclosure of the works

[6.2] Specific requirements:
 Areas where work is taking place shall at all

times be blocked off by appropriate means

12.1.13 Offices

[6.4.3] Specific requirements:

The contractor shall provide, maintain and

remove on completion of the works an office for

the exclusive use of the principal agent,

minimum size 4 x 3 m high internally, suitably

insulated and ventilated, provided with electric

lighting and fitted with boarded floor, desk,

chair, drawing stool, drawing board and lock-up

drawers for drawings. The office shall be kept

clean and fit for use at all times.

12.1.14 Main notice board

[6.5] Specific requirements:

The contractor shall provide, erect where

directed, maintain and remove on completion of

the works a notice board size 3 x 3 m

constructed of suitable boarding with flat smooth

surface and with edging bead 19mm thick round

outer edges and projecting 12mm from face of

boarding and rounded on front edge. The board

shall be securely fixed to hoarding, where

hoarding is provided, or fixed to and including a

suitable supporting structure of timber or tubular

posts and braces. The board is to be painted

ivory white and the bead and 12mm wide

dividing lines dark green. All wording shall be

inscribed in dark green as per the coat of arms

for SA. All wording shall be inscribed in dark

green painted sans serif lettering.

12.1.15 Subcontractors' notice board

[6.6] A notice board is required (yes/no)

Specific requirements:

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12.1.16 Water	[7.2] Option A (by contractor)	YES (yes/no)
12.1.17 Electricity	[7.3] Option A (by contractor)	YES (yes/no)
12.1.18 Telecommunications	[7.4] Telephone	YES (yes/no)
	Facsimile	YES (yes/no)
	E-mail	YES (yes/no)
12.1.19 Ablution facilities	[7.5] Option A (by contractor)	YES (yes/no)
	Option B (by employer)	NO (yes/no)
12.1.20 Protection of existing/sectionally occupied works	[11.2] Protection is required	YES (yes/no)
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12.1.21 Special attendance	The contractor must obtain information from all subcontractors at tender stage regarding special allowance that might be required and make allowance for each and every subcontract that requires special attendance	[9.2] Subcontractor (1) Details:	Subcontractor (2) Details:	Subcontractor (3) Details:	12.1.22 Protection of the works	[11.1] Specific requirements: All work that requires protection during construction must be adequately protected up to practical completion by the contractor	12.1.23 Disturbance	[11.5] Specific requirements: The contractor shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the principal agent	12.1.24 Environmental disturbance	[11.6] Specific requirements: None	Post-tender information (B12.2)	All post-tender information for this section will be determined once tender is awarded	Fixed	Value Related	Time Related	Carried to Collection	Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES & GENERAL
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12.2.1	<i>Payment of preliminaries</i>	YES [10.2] Option A (prorated) (yes/no)	NO Option B (calculated) (yes/no)
12.2.2	<i>Adjustment of preliminaries</i> [10.3] Option A (three categories) (yes/no)	YES Option B (detailed breakdown) (yes/no)	NO Additional agreed preliminaries items
12.2.3	Details: None	Other post tender information (B12.3)	All post-tender information for this section will be determined once tender is awarded
	Fixed	Value Related	Time Related
SECTION C: SPECIFIC PRELIMINARIES			
Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item			
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Clause C1 - Contract drawings

The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed

Should any part of the drawings not be clearly understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent

Fixed
 Value Related
 Time Related
 Item
 Item
 Item

105

Clause C2 - General Preambles

The "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the trades is deemed to be included herein and shall be read in conjunction with the bills of quantities and be referred to for the full descriptions of work to be done and materials to be used.

Fixed
 Value Related
 Time Related
 Item
 Item
 Item

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Clause C3 - Site Instructions

All site instructions issued on site shall be recorded in writing within seven (7) calendar days in site instruction book (A4 size and triplicate carbon format), which is to be provided and maintained by the contractor. The said site instruction book shall be kept on site at all times for the exclusive use of recording site instructions only

Site instructions may be issued by the architect or any of the consultants only. Copies of the site instructions are to be submitted to the architect and quantity surveyor within seven (7) calendar days of such recording in the site instruction book

107

Clause C4 - Trade Names

Wherever a trade name for any product has been described in the bills of quantities, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders

If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for

Fixed

Value Related

Time Related

Item

Item

Item

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108	Clause C5 - Overtime	Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the contractor unless the principal agent has specifically authorized and indicated in writing, prior to the execution thereof, that costs for such overtime will to be borne by the employer	Fixed	Item					
			Value Related	Item					
			Time Related	Item					
109	Clause C6 - As-built drawings	The position of construction breaks and the extent of individual concrete pours are to be recorded by the contractor on the structural engineer's drawings and are to be submitted to the principal agent and the structural engineer for their records	Fixed	Item					
			Value Related	Item					
			Time Related	Item					
110	Clause C5 - Labour record	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 subcontractors on the works each day	Fixed	Item					
			Value Related	Item					
			Time Related	Item					
Carried to Collection									
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Clause C6 - Plant record	At the end of each calendar 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	Fixed	Value Related	Time Related
Clause C7 - Non-cession of monies	The contractor shall not cede nor assign his rights or claims to any monies due or to become due to him under this contract	Fixed	Value Related	Time Related
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It is required of the **contractor** to thoroughly study the latest Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document.

Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.

item

item

Item

114

Fixed

Item

R

115

Clause C10 - Commencement of Works in School Areas
 Time Related

As the works falls within a school area the contractor must give the Principal or other responsible staff member notice before commencement of the works. Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account

Fixed
 Value Related
 Time Related

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116

Clause C11 - Entrance Permits to School Areas
 As the works falls within a school area the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Principal, or chief security officer

Fixed
 Value Related
 Time Related

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117	Clause C12 - Security Check of Personnel	
118	Clause C13 - HIV/Aids Awareness The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified in the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works Fixed Value Related Time Related	Item Item Item
119	It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the bills of quantities. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of Clause A 31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment Fixed Value Related Carried to Collection	Item Item Item

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Clause C13.1 - Awareness Champion

Time Related

Item

Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification

Fixed

Item

Value Related

Item

Time Related

Item

Clause C13.2 - Awareness Workshop

120

Selection and appointment of a competent Service Provider approved by the **principal agent**, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification

Fixed

Item

Value Related

Item

Time Related

Item

Clause C13.3 - Posters, booklets, videos, etc.

121

Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the **construction period**, all in accordance with the HIV/AIDS Specification

Fixed

Item

Value Related

Item

Time Related

Item

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Clause C13.4 - Access to Condoms		Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period , all in accordance with the HIV/AIDS Specification		Fixed	Item	Value Related	Item	Time Related	Item
Clause C13.5- Monitoring		Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period and close out, all in accordance with the HIV/AIDS Specification		Fixed	Item	Value Related	Item	Time Related	Item
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SECTION NO.2
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ALTERATIONS

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades

REMOVAL OF EXISTING WORK:

NATURE OF WORK: Tenders 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.

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.

PIPES, ETC Special care is to be taken not to interfere unnecessary 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.

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

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Quantity	Rate	Amount
	R	

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, falling 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 should be kept safely and handed over to the School Governing Body or the school principal who 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 school governing body or the school principal who shall sign for all material received.

DEMOLITIONS, ETC.

Taking down and removing fence

1 Take down and remove existing diamond mesh fence approximately 1800mm high

A : 0 B : 504

Taking out and removing ironmongery

2 Pining board size 2400 x 1200mm high

A : 0 B : 1

Taking out and removing doors, windows, etc

3 Timber single door 813 x 2032mm high

A : 0 B : 7

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4	Ceilings including branderings and cornices	A : 0 B : 110	m2	110
5	Fibre cement fascias, barge boards, etc.	A : 0 B : 60	m	60
6	100 mm x 100 mm gutters	A : 0 B : 60	m	60
7	100 mm x 100 mm downpipes including short length pipes	A : 0 B : 27	m	27
	Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc and preparing screeds for new floor coverings			
8	300 x 300 x 11,5mm Ceramic floor tiles fixed with adhesive to plaster (plaster elsewhere) and flush pointed with tinted waterproof jointing compound (PC Amount R150-00/thousand Vat excl supplied and delivered to site)	A : 0 B : 110	m2	110
9	Skirting	A : 0 B : 110	m	110
	Taking out and removing sundry joinery work, fittings, etc			
10	Joinery fittings	A : 0 B : 6	m2	6
	Removal of sanitary fittings, tanks, geysers etc			
11	Removal of complete WC	A : 0 B : 2	No	2
12	Removal of basins	A : 0 B : 2	No	2
13	Removal of lockable tissue holder	A : 0 B : 2	No	2
14	Removal of hand towel dispensers	A : 0 B : 2	No	2

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Removal of 800ml soap dispenser white or equal
 approved.

No

2

No

2

A : 0 B : 2

Removal of shower tap

No

1

A : 0 B : 1

Removal of sink mixer tap

m2

5

Taking out and removing glass and mirrors

Glass from steel windows, including cleaning out
 rebates and preparing for new glass

m2

20

A : 0 B : 20

SERVICING OF DOORS AND WINDOWS

Replace window stays, handles and pegs (PC Amount
 R150-00 Vat excl supplied and delivered to site)

No

50

A : 0 B : 50

MAKING GOOD OF FINISHES ETC

Making good internal cement plaster

m2

20

A : 0 B : 20

Walls in patches

Testing and Electrical fault finding

Removal of faulty fluorescent lights

No

12

A : 0 B : 12

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EARTHWORKS

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades

SUPPLEMENTARY PREAMBLES

Nature of ground

Use "assumed to be" if no trial holes, soils investigations, etc have been carried out - discuss with engineer. Use "Trial holes indicate that" where the ground has been investigated by means of trial holes

Nature of ground

A soils investigation has been carried out on site by the engineer and the report is annexed to these bills of quantities. Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" described in the above report and where conditions of a more difficult character are indicated these are separately measured

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

Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material

Carried to Collection

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Quantity	Rate	Amount
	R	

Soil poisoning

Art and weed poisoning will be applied in accordance to SABS specifications by Registered and Approved Specialists who will issue a five (5) year guarantee. The contractor will only be paid for this item once they have produced the said certificate to the Principal Agent

SITE CLEARANCE ETC

Site clearance

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

A: 31
B: 604

EXCAVATION, FILLING, ETC

Excavation in earth not exceeding 2m deep

2	Trenches
---	----------

A: 8
B: 0

Extra over trench and hole excavations in earth for excavation in

excavation in

A:0.4
B:0.0

4	Hard rock
---	-----------

A:1
B:0

Extra over all excavations for carting away

5	Surplus material from excavations on site to a dumping site to be located by the contractor
---	---

A:4
B:0

Risk of collapse of excavations

6	Sides of trench and hole excavations not exceeding 1,5m deep
---	--

A:22
B:0

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BUILDING
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FOUNDATIONS

Carried to Collection

Item	Description	Unit	Quantity	Rate	Amount
7	Keeping excavations free of all water other than subterranean water				
8	Earth filling obtained from the excavations and/or prescribed stock piles on site including compacted to 93% Mod AASHTO density	m ³	16		
9	Backfilling to trenches, holes, etc	m ³	4		
10	Earth filling supplied by the contractor compacted to 93% Mod AASHTO density	m ³	16		
11	Under floors, steps, paving, etc	m ²	16		
12	Backfilling to trenches, holes, etc	m	4		
13	Compaction of 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	m ²	16		
14	"Modified AASHTO Density"	No	5		
SOIL POISONING					
Carried to Collection					
Section No. 3 BUILDING Bill No. 1 FOUNDATIONS					

Weedkiller mixed in accordance to suppliers specifications			
15	To bottoms and sides of trenches, etc.	A : 33 B : 0	m2
16	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	A : 16 B : 0	m2
	Soil insecticide		
17	To bottoms and sides of trenches etc	A : 33 B : 0	m2
18	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	A : 16 B : 0	m2
CONCRETE, FORMWORK AND REINFORCEMENT			
UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES			
19	Surface blinding under footings and bases	A : 0.3 B : 0.0	m3
	15MPa/19mm concrete		
REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES			
20	Strip footings	A : 3 B : 0	m3
	25MPa/19mm concrete		
SMOOTH FORMWORK (DEGREE OF ACCURACY II)			
Carried to Collection			
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R			

21	Edges, risers, ends and reveals not exceeding 300mm high or wide	A : 16 B : 0	m	16
<u>MOVEMENT JOINTS ETC</u>				
<u>Horizontal construction joints through concrete including thick cement slurry to one side</u>				
22	Surface bed not exceeding 300mm thick	A : 18 B : 0	m	18
<u>REINFORCEMENT</u>				
<u>Mild steel reinforcement to structural concrete work</u>				
23	8mm Diameter bars	A : 1.00 B : 0.00	t	1.00
24	10mm Diameter bars	A : 0.40 B : 0.00	t	0.40
25	16mm Diameter bars	A : 1.00 B : 0.00	t	1.00
<u>TEST CUBES</u>				
26	Allow for preparing a set of three concrete strength test cubes, each size 150 x 150 x 150mm, sending them to an approved Testing Laboratory for testing and paying all charges in connection therewith.	A : 10 B : 0	Sets	10
<u>BRICKWORK</u>				
27	Half brick walls	A : 2 B : 0	m ²	2
28	One brick walls	A : 11 B : 0	m ²	11
<u>BRICKWORK SUNDRIES</u>				
Carried to Collection				
Section No. 3 BUILDING Bill No. 1 FOUNDATIONS				

29	12mm Fibre board built in vertically between brick skins.	m2	18
30	150mm Wide reinforcement built in horizontally	m	49
31	Extra over brickwork for face brickwork	m2	11
32	Coping on top of one brick wall	m	16
33	12 x 20mm In vertical expansion joints including raking out expansion joint filler as necessary	m	48

FACE BRICKWORK

Face bricks (Purchase price of R3 500-00/1000 VAT excl. delivered to site) pointed with recessed horizontal and vertical joints

Extra over brickwork for face brickwork

Brick-on-edge header course copings, sills, etc of face bricks (Purchase price R3 500.00/1000 VAT excl. delivered to site) pointed with recessed joints on all exposed faces

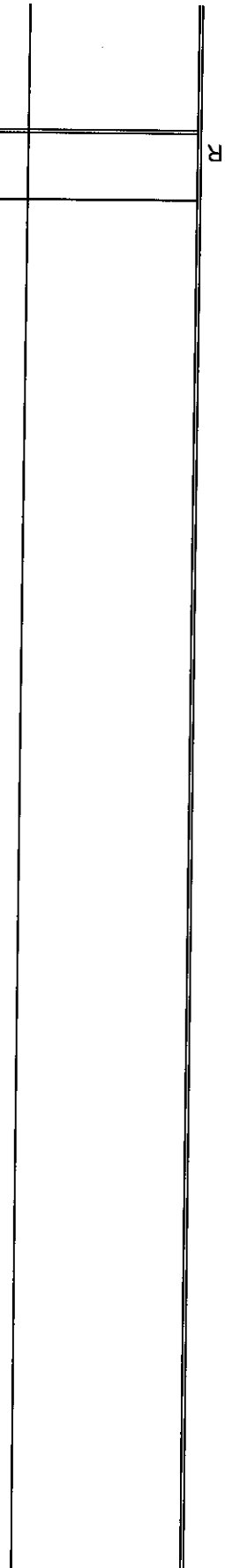
WATERPROOFING

JOINT SEALANTS ETC

Joint surface to be dry, clean and free from dust and grease. Insert closed cell polyethylene foam-backing strip into joint. Prime joint surface with Jayco G317 two part epoxy primer. Mix two components thoroughly to form a homogeneous mixture. Apply Jaycoflex M973 2 Part Polysulphide Sealant into joint using a hand or pressure operated closed barrel gun, smooth sealant using a spatula, all in accordance with manufacturer's recommendations.

Carried to Collection

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Sealing compound including backing cord bond breaker
 primer, etc.
 Sendor Performance Foams Sendorband flexible wax
 and resin impregnated Polyurethane foal sealing strip,
 size 3mm x 30mm thick, compressed and inserted into
 gap
 A : 6
 B : 0

m

6

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CONCRETE, FORMWORK AND REINFORCEMENT

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades

SUPPLEMENTARY PREAMBLES

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 to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the architect. (Test cubes are measured separately)

"Foamciment " lightweight concrete

"Foamcement" lightweight concrete is to 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

"Celbeton" lightweight concrete

"Celbeton" lightweight concrete is to have a density of 1000kg/m³ for the top 20mm and 480kg/m³ for the remaining thickness. The minimum thickness at outlets, channels, etc shall be 30mm

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CONCRETE, FORMWORK & REINFORCEMENT (PROV

Description 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.

Formworks to soffits of solid etc shall be deemed to be slabs not exceeding 250mm thick 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"

REINFORCED CONCRETE

30MPa/19mm concrete

Surface beds cast in panels on waterproofing.

CONCRETE SUNDRIES

A : 16
B : 0

Surface beds, slabs, etc

TEST CUBES

Allow for preparing a set of three concrete strength test cubes, each size 150 x 150 x 150mm, sending them to an approved Testing Laboratory for testing and paying all charges in connection therewith

MOVEMENT JOINTS ETC

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Section No. 3
 BILLING
 CONCRETE, FORMWORK & REINFORCEMENT (PROV)

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4	Sondor Performance Foams Jointex low density (33kg/m ³), cross linked, closed cell, expanded polyethylene joint former, size 85 x 10mm thick with tear off strip fitted to concrete surface with adhesive as per adhesive manufacturer's recommendation.	A : 48 B : 0	m	48
5	Saw cut joints 5 x 25mm Saw cut joints on top of concrete	A : 24 B : 0	m	24
6	Smooth formwork to sides Edges, risers, ends and reveals not exceeding 300mm high or wide	A : 16 B : 0	m	16
SMOOTH FORMWORK (DEGREE OF ACCURACY I)				
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CONCRETE, FORMWORK & REINFORCEMENT (PROVISIONAL)

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MASONRY

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades

SUPPLEMENTARY PREAMBLES
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

Linings to concrete

Descriptions of linings to concrete, unless otherwise described, shall be deemed to include wire ties

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

SUPERSTRUCTURE

Half brick walls

A : 6 B : 0

Half brick walls in beamfilling

A : 6 B : 0

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Quantity

R

3	One brick walls	A : 39 B : 0	m2	39
BRICKWORK SUNDRIES				
4	Extra over brick work for leaving ventilation openings size 115 x 1700mm high at 300mm cc	A : 2 B : 0	No	2
Joint forming material in movement joints:				
5	12mm Bitumen impregnated fibre board built in vertically between brick skins not exceeding 300mm wide	A : 45 B : 0	m2	45
Brickwork reinforcement				
6	75mm Wide reinforcement built in horizontally	A : 24 B : 0	m	24
7	150mm Wide reinforcement built in horizontally	A : 157 B : 0	m	157
Galvanised hoop iron cramps, ties, etc				
8	30 x 1,6mm Root tie 1,5m long with one end fixed to timber and other end built into brickwork	A : 16 B : 0	No	16
9	230mm Wide turning pieces to lintels etc	A : 10 B : 0	m	10
10	"Alled Concrete" prestressed fabricated lintels 110 x 75mm Lintels in lengths not exceeding 3m	A : 13 B : 0	m	13
FACE BRICKWORK				
Face bricks (Purchase price of R3 500-00/1000 VAT excl. delivered to site) pointed with recessed horizontal and vertical joints				
11	Extra over brickwork for face brickwork	A : 39 B : 0	m2	39

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 MASONRY

12	Extra over brickwork for brick-on-edge header course intel	A : 16 B : 0	m	16
13	Brick-on-edge header course copings, sills, etc of face bricks. (Purchase price R3 500-00/1000 VAT excl. delivered to site) pointed with recessed joints on all exposed faces Coping on top of one brick wall	A : 16 B : 0	m	16
14	110mm Wide sill set level and slightly projecting	A : 10 B : 0	m	10
SILLS				
15	Nutec window internal sill, size 150mm x 15mm thick, manufactured in accordance with SANS 803:2005 and installed below window with sill lug screwed to underside of sill at 400mm centres, minimum of 75mm from end of window sill and bedded in Class II mortar with plastic slip joints at end of sills at plaster reveals and projecting from the finished face of wall, all in accordance with the manufacturer's recommendations. Everite Nutec window internal sill, size 150mm wide x 15mm thick (Code: 031-507), manufactured in accordance with SANS 803:2005 and installed below window with window sill lug screwed to underside of sill at 400mm centres, minimum of 75mm from end of window sill and bedded in Class II mortar with plastic slip joints at end of sills at plaster reveals and projecting from the finished face of wall, all in accordance with the manufacturer's recommendations.	A : 10 B : 0	m	10
Carried to Collection				

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WATERPROOFING

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades

SUPPLEMENTARY PREAMBLES

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

DAMP-PROOFING OF WALLS AND

FLOORS

One layer of 375 micron Consol Plastic Brikrip DPC" embossed damp proof course

In walls

A : 4 B : 0

m2

4

One layer of 250 micron "Consol Plastic USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"

Under surface beds

A : 10 B : 0

m2

10

JOINT SEALANTS ETC

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Sika Primer-3N one component epoxy polyurethane
 based primer for joint sealants (Sikaflex-PRO 2HP and
 Sikaflex 11FC), applied in accordance with the
 manufacturer's instructions.

3 10 x 15mm In expansion joints including raking out of
 expansion joint filler as necessary

A : 24
 B : 0

Prepare and apply a.b.e. Construction Chemicals
 epidermix 365 general-purpose liquid epoxy adhesive.
 Crack injection epoxy and tile pointing grout when mixed
 with blended silica sand. The compound shall have a 7
 day compressive strength of 75 Mpa, a tensile strength
 of 9 MPa, and a lap shear strength of 4 MPa, all in
 accordance with the manufacturer's instructions.

4 5 x 10mm In saw cut joints in top of concrete

A : 24
 B : 0

Joint surface to be dry, clean and free from dust and
 grease. Insert closed cell polyethylene foam-backing
 strip into joint. Prime joint surface with Jayco G317 two
 part epoxy primer. Mix two components thoroughly to
 form a homogeneous mixture. Apply Jaycoflex M973 2
 Part Polysulphide Sealant into joint using a hand or
 pressure operated closed barrel gun, smooth sealant
 using a spatula, all in accordance with manufacturer's
 recommendations.

5 12 x 20mm In vertical expansion joints including raking
 out expansion joint filler as necessary

A : 24
 B : 0

Carried to Collection

Section No. 3
 BUILDING
 Bill No. 4
 WATERPROOFING

GUARDHOUSE AT GROBLERSBERGH WEIGH BRIDGE

COLLECTION

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WATERPROOFING

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SECTION NO.3

BILL NO.5

ROOF COVERINGS ETC

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades

SUPPLEMENTARY PREAMBLES

General

All roof coverings, etc., to be with a covering of Z275 galvanising. All holes to be drilled and not punched Where described as with "Chromadek" finish, all sheets, flashings, etc., shall be with "Chromadek" silicone polyester paint for exterior use

Sizes

All items are measured net unless otherwise described

Flashings, trimming plates, etc.

Prices to include for all cutting and waste and relevant fixing material, unless otherwise described

All rates for flashings, trimmings, etc., to include for forming drips and closed ends to troughs of sheet steel roof covering where applicable

All items are unless otherwise described measured net

Carried to Collection

Section No. 3
 BUILDING
 Bill No. 5
 ROOF COVERINGS, ETC (PROVISIONAL)

Quantity	Rate	Amount
	R	

Traffic Green color to be as follows:

Colour: Traffic Green
 Gloss: 30+/- Gardner 60
 Film Thickness: 17 - 22 Microns
 Primer: Global Prime 204
 Pencil Hardness: H
 Flexibility: >8mm
 Impact Resistance: >30 INLB on HDG
 Bending: 2 Ton HDG
 Solvent Resistance: > 100 Double Rubs with MEK
 Salt Spray Test: 500 Hours ECCA T8, Corrosion,
 Blisters, Loss of Adhesion less than 3mm from the
 scribe
 Weather-0-meter: 2000 Hours ECCA T10, loss of gloss
 less than 50% average colour change not greater than 5
 units (CEILAB)
 Florida Exposure Test: After two (2) years loss of gloss
 less than 75%, average colour change not greater than
 three (3) units (CEILAB)

PROFILED METAL SHEETING AND ACCESSORIES

0.5mm "Brownbult Klip-Lok Light Industrial" galvanised
 troughed sheeting steel with "Chromadek - Traffic
 Green" finish on one side, in single lengths fixed to
 timber purlins and 0.6mm galvanised steel accessories
 with "Chromadek" finish on one side, fixed to roof
 members by a firm of Specialists who will give a five (5)
 year guarantee, all in accordance with the
 manufacturer's instructions

1 Roof covering with pitch not exceeding 50 degrees
 m2 31

2 Ridge capping (Code FK3) to be Brownbult Klip-Lok
 406 550mm girth, three times bent along girth and
 notched on site to suit roof profile.
 m 4

3 Hip capping to be Brownbult Klip-Lok 406 550mm girth,
 three times bent along girth and notched on site to suit
 roof profile.
 m 4

STEEL LOUVRES

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Section No. 3
 BUILDING
 Bill No. 5

ROOF COVERINGS, ETC (PROVISIONAL)

			"NTY Steelworks" or similar approved 4 Triangular steel louvre size approximately 1500 x 500mm high fixed to timber purlins including watertight heading joints, necessary sealing strips, fixing accessories, etc (Purchase price R2 900-00 each Vat excl. supplied and delivered to site) A : 2 B : 0 ROOF AND WALL INSULATION "Alucushion" 4mm Alucushion®/Bubblefoil® FR (fire retardant grade) double-sided aluminium foil insulation (Code: 1983), laid out over timber purlins complying with SANS 428:2007, and fixed concurrently with roof covering; including white PVC coated straining wires at 383mm centres, ensuring subsequent sheets overlap the previous sheet by 100mm all in accordance to the manufacturer's recommendations. A : 31 B : 0 5 Carried to Collection Section No. 3 BUILDING Bill No. 5 ROOF COVERINGS, ETC (PROVISIONAL)
	2	No	
	31	m2	
	R		

Section No. 3

BUILDING

Bill No. 5

ROOF COVERINGS, ETC (PROVISIONAL)

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ROOF COVERINGS, ETC (PROVISIONAL)

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SECTION NO.3

BILL NO. 6

CARPENTRY AND JOINERY

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades

SUPPLEMENTARY PREAMBLES

Particle board:

Particle board shall comply with the following specifications:

a) SABS 1300 Particle board: exterior and flooring type

b) SABS 1301 Particle board: interior type

Joinery:

Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc

Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes

Fixing

Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.

Decorative laminate finish:

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

ROOFS, ETC.

Carried to Collection

Section No. 3
BUILDING
Bill No. 6
CARPENTRY

CARPENTRY AND JOINERY

Quantity	Rate	Amount
	70	

Plate nailed timber roof truss construction

The following is applicable in respect of roof trusses:
 Trusses are at maximum 1100mm centres, roof covering is 0,6mm "Klip-Lok Light Industrial" iron sheeting on purlins. Ceilings are 6mm sheeling fibre cement ceilings on 38 x 38mm brading.

The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained on the site before design or fabrication commences.

The design, manufacture and transportation of the roof trusses, bracing etc. shall be under control of a registered Engineer (in accordance with the SABS Code of Practice for the design of Timber Structure) and it shall be required from the manufacturer of the trusses to lodge a written guarantee that the construction has been designed by a qualified Structural Engineer and that the Engineer is in possession of a capability certificate issued by the Institute for Timber Construction Trusses.

The designs must further be in accordance with SABS 0163 as well as the additional requirements of the latest Model Preambles of Trades.

The manufacturer of the trusses shall supply a written guarantee that the trusses are designed, manufactured and erected to support the roof covering specified. The guarantee shall be valid for a period of 10 (ten) years.

Payment of the roof construction will only be made once the two (2) required certificates have been submitted to and approved by the Project Registered Structural Engineers.

Sawn softwood

1	50 x 228mm Bearers bolted	A : 1 B : 0	m	1
2	38 x 114mm Wall plates	A : 16 B : 0	m	16
3	50 x 76mm Purlins in lengths exceeding 3,9m and not exceeding 6,6m	A : 8 B : 0	m	8

Carried to Collection

Section No. 3
 BUILDING
 Bill No. 6
 CARPENTRY AND JOINERY

Sundries					
4	Two coats creosote on sawn timbers	A : 31 B : 0	m2	31	
EAVES, VERGES, ETC					
<u>"Everite FC77" pressed fibre-cement</u>					
5	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.	A : 16 B : 60	m	76	
DOORS, ETC					
<u>44mm Wrought meranti framed, ledged, braced and battered door of 44 x 150mm top rails and stiles, 22 x 150mm middle legde and braces and 22 x 220mm bottom rail filled in with 22mm V-jointed one side boarding</u>					
6	Door size 813 x 2032mm high with standard weather bar	A : 2 B : 4	No	6	
<u>40mm Solid core interior doors with Masonite® Plain standard hardboard door panel for paint (elsewhere specified).</u>					
7	Door size 813 x 2032mm high	A : 1 B : 0	No	1	
8	Door size 914 x 2032mm high	A : 0 B : 3	No	3	
Carried to Collection					
Section No. 3 BUILDING Bill No. 6 CARPENTRY AND JOINERY					

WATERBERG DISTRICT

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BUILDING

Bill No. 6

CARPENTRY AND JOINERY

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CARPENTRY AND JOINERY

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Amount

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SECTION NO.3

BILL NO. 7

CEILINGS, ETC.

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades

SUPPLEMENTARY PREAMBLES

Descriptions:

Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete

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

CEILINGS ETC

Insulation

50mm glass fibre insulation blanket to manufacturer's specification, laid on ceiling.

A:31
B:110

"Rhino" gypsum plasterboard cornices

75mm Covered cornices

NAILED UP CEILINGS

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

Ceilings on existing 38 x 38mm bracing at 90deg to trusses at maximum centres of 400mm by 32mm long galvalinised nails. (in patches)

A: 31
B: 110

Carried to Collection

Section No. 3

BUILDING

Bill No. 7

CEILINGS, ETC

Quantity	Rate	Amount
141	R	
131		
141		

4

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
 A : 1 B : 2

No

3

Carried to Collection

Section No. 3
 BUILDING
 Bill No. 7
 CEILINGS, ETC

WATERBERG DISTRICT

Section No. 3

BUILDING

Bill No. 7

CEILINGS, ETC

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BUILDING
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CEILINGS, ETC

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Amount

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Item No	SECTION NO.3	BILL NO.8	IRONMONGERY
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades		
	SUPPLEMENTARY PREAMBLES		
	Finishes to Ironmongery		
	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		
	CATCHES,CABIN HOOKS, ETC		
	"Solid" 100mm Cabin hook and eye including 70 x 70 x 20mm chamfered hardwood block twice oiled and plugged A : 0 B : 4 LOCKS "Dorma" Dorma "DDC056501" 65mm satin nickel double cylinder (not master keyed) A : 2 B : 7 Dorma "CB30" satin chrome lever handle (S/C) A : 2 B : 7 Dorma "D036" Cylinder lock case A : 2 B : 7		
	No	Pairs	9
	No	No	9
	No	No	4
	Carried to Collection		
	Section No. 3 BILL No. 8 BUILDING IRONMONGERY		

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5	Dorma "DDS-NP-018" nickel plated door stop. (N/Plated)	A: 2 B: 3	No	5
6	Dorma "DHC-SS-031B" stainless steel hat and coat hook with rubber buffer.	A: 2 B: 0	No	2
7	Dorma "D038R" rebate conversion kit	A: 2 B: 0	No	2
8	32mm Type 9 back grab rail 800mm long plugged	A: 0 B: 2	No	2
9	32mm Type 8 side grab rail 900mm girth plugged	A: 0 B: 1	No	1
10	19mm Diameter chromium plated towel rail 600mm long incl. end brackets	A: 0 B: 1	No	1
11	CALMOC anti theft toilet roll holder or equal approved	A: 1 B: 2	No	3
12	TIDY SYSTEMS 800ml soap dispenser white or equal approved.	A: 1 B: 2	No	3
13	TIDY SYSTEMS 800ml soap Hand dryer white or equal approved.	A: 1 B: 2	No	3
14	19mm Diameter chromium plated towel rail 600mm long incl. end brackets	A: 0 B: 1	No	1
15	"Code AL5022-E10" Natural anodised aluminium plate with male symbol	A: 1 B: 1	No	2
"Union" LETTERS, NAMEPLATES, ETC				
Section No. 3 BUILDING Bill No. 8 IRONMONGERY Carried to Collection				

16	"Code AL5022-E11" Natural anodised aluminium plate with female symbol A: 0 B: 1	No	1
17	STEEL CUPBOARDS PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC "Vitrex" Pinning boards 1200 x 1200mm high fixed to brickwork A: 1 B: 4	No	5
Carried to Collection			

Section No. 3
 BUILDING
 Bill No. 8
 IRONMONGERY

WATERBERG DISTRICT

Section No. 3

BUILDING

Bill No. 8

IRONMONGERY

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BUILDING
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IRONMONGERY

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SECTION NO.3

BILL NO.9

METALWORK

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades

SUPPLEMENTARY PREAMBLES

Descriptions

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 or concrete

Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described

WELDED SCREENS, GATES, ETC

Gates to external doors

1 Single gate and frame size 855 x 2185mm high (PC Amount R5 000-00 each VAT excl. supplied and installed to site) (Nutrition Centre)

A:0 B:3

2 Single gate and frame size 1000 x 2185mm high (PC Amount R5 000-00 each VAT excl. supplied and installed to site) (Classrooms - Renovations, Gate house)

A:1 B:0

PRESSED STEEL DOOR FRAMES

3 Frame for door size 914 x 2032mm high

A:2 B:0

NATURAL ANODISED ALUMINIUM DOORS, WINDOWS, ETC.

Carried to Collection

Section No. 3
 BUILDING
 Bill No. 9
 METALWORK

Quantity	Rate	Amount
3		
1		
2		
	R	

50 000 00

COLLECTION

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9770

Item
No

SECTION NO.3
BILL NO.10
PLASTERING

For preambles see "Model Preambles for Trades (2008
 Edition)" and Supplementary preambles as specified in
 the Trades

INTERNAL PLASTER

Cement plaster on brickwork

On walls

A : 51

B : 0

1

m2

51

Quantity

Rate

Amount

R

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Section No. 3
 BUILDING
 Bill No. 10
 PLASTERING

Item
No

SECTION NO.3
BILL NO.11
TILING

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades.

SUPPLEMENTARY PREAMBLES

Descriptions

Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding

WALL TILING

Glazed ceramic wall tiles fixed with adhesive to plaster (plaster elsewhere) (PC Amount R150-00/thousand Vat excl supplied and delivered to site)

1

On walls

A : 11 B : 68

m2

79

2

On narrow widths

A : 1 B : 0

m2

1

FLOOR TILING

800 x 800 x 11.5mm Porcelain floor tiles fixed with adhesive to plaster (plaster elsewhere) and flush pointed with tinted waterproof jointing compound (PC Amount R150-00/thousand Vat excl supplied and delivered to site)

3

On floors and landings

A : 16 B : 110

m2

126

4

Skirting formed of porcelain tile cut to 800 x 75mm high

A : 24 B : 115

m

139

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Section No. 3
 BUILDING
 Bill No. 11
 TILING

Amount

Rate

Quantity

R

Item
No

SECTION NO.3
BILL NO.12

PLUMBING AND DRAINAGE

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades

SUPPLEMENTARY PREAMBLES

"Polycop" polypropylene pipes:

Polypropylene pipes 54mm diameter and under shall be seamless copper coloured class 16 pipes jointed with "Fast-fuse" heat welded thermoplastic or brass compression fittings as designed for use with copper pipes as stated

Pipes shall be firmly fixed to walls etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions

All pipe diameters are nominal external

"Polylink" polypropylene pipes:

Polypropylene pipes 63mm diameter and over shall be class 12 pipes jointed with cast iron "Supraclamp" running joints

Fusion welded bends, once or twice mitred as necessary, and tees shall be factory manufactured

Fusion welded bends and tees shall include jointing to pipes with PVC rubber ring double Z joint couplers

Branch tees shall include flanged and bolted joints to "Polycop" branch pipes in addition and for brass compression male iron to copper straight couplers

Reducers shall include jointing to pipes with PVC rubber ring double Z joint couplers and reducers shall be of sufficient overall length to accommodate same

Carried to Collection

Section No. 3
 BUILDING
 Bill No. 12
 PLUMBING AND DRAINAGE

Quantity	Rate	Amount
	R	

All pipes shall be jointed and fixed strictly in accordance with the manufacturer's instructions

All pipe diameters are nominal external

Concrete pipes:

Pipes shall be jointed with ogee joints with rubber collars or socket and spigot joints with rubber rings

Vitrified clay pipes:

Pipes shall rest on solid ground and, where necessary, pockets of sufficient size shall be cut around joints to enable the jointing to be properly performed or, alternatively, pipes shall be bedded full length on and including unreinforced concrete laid in a semi-dry state immediately before pipes are laid

Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings

uPVC pipes and fittings:

Soil, waste and vent pipes and fittings shall be solvent weld jointed

uPVC pressure pipes and fittings:

Pipes for water supply shall be of the class stated

Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings

Pipes of 50mm diameter and greater shall have sockets and spigots with push in type integral rubber ring joints.

Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints

Copper pipes:

Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-siphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground

Carried to Collection

Section No. 3
 BUILDING
 Bill No. 12
 PLUMBING AND DRAINAGE

Fixing of pipes

Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level

Lead pipes and fittings

All soldered joints shall be wiped and brass unions shall be used for jointing lead to steel

Reducing fittings

Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained

Wire gratings

Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings

Septic tanks

Descriptions of septic tanks shall be deemed to include excavation, bedding and jointing, concrete base slabs, jointing to drains and backfilling, compaction, etc all in accordance with the manufacturer's instructions

Exposed concrete surfaces

Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gully tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster

Excavations

No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling
"Soft rock" and "hard rock" shall be as defined in "Earthworks"

Carried to Collection

Section No. 3
BUILDING
Bill No. 12
PLUMBING AND DRAINAGE

R	
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Laying, backfilling, bedding, etc. of pipes

Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions

Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding

Flush pans

Flush pans shall have straight or side outlets and "P" or "S" traps as necessary

Stainless steelbasins, sinks, wash troughs, urinals, etc.

Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable

Waste unions

Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings

Steel sectional water tanks

Tanks shall comply with SABS CKS 114

"Densyl" petrolatum anti-corrosion tape as manufactured by Denso SA (Pty) Ltd.

Pipes to be taped shall be coated with the appropriate primer and the tape shall be applied with minimum 15mm lap per spiral unless otherwise described
 Couplings and fittings to pipes shall be taped in strict accordance with the manufacturers' instructions including all mastic, tape, "Layflat" sheeting, securing of same, etc

RAINWATER DISPOSAL

Carried to Collection

Section No. 3
 BUILDING
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 PLUMBING AND DRAINAGE

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 GUARDHOUSE AT GROBLERSBERGH WEIGH BRIDGE
 WATERBERG DISTRICT

0.6mm Galvanised sheet iron with "Chromadek" finish
 on one side

1	125 x 100mm Eaves gutters with beaded front edge	A : 20 B : 60	No	80
2	Extra over eaves gutter for angle	A : 2 B : 2	No	4
3	Extra over eaves gutter for outlet for 100mm diameter pipe	A : 2 B : 2	No	4
4	Extra over eaves gutter for stopped end	A : 2 B : 2	No	4
5	100mm Diameter rainwater pipes	A : 12 B : 27	m	39
6	Extra over rainwater pipe for eaves or plinth offset 450mm projection	A : 2 B : 2	No	4
7	Extra over rainwater pipe for shoe	A : 2 B : 2	No	4
SOIL DRAINAGE				
<u>UPVC pipes</u>				
8	110mm Pipes vertically or ramped to cleaning eyes etc (no excavation)	A : 2 B : 0	m	2
9	110mm Pipes laid in and including trenches not exceeding 1m deep	A : 2 B : 0	m	2
<u>Extra over UPVC pipes for fittings</u>				
10	110mm Access Bend	A : 1 B : 0	No	1
11	110mm Access Junction	A : 1 B : 0	No	1
12	110mm Bend	A : 5 B : 0	No	5

Carried to Collection

Section No. 3
 BUILDING
 Bill No. 12
 PLUMBING AND DRAINAGE

13	110mm Junction	A: 1 B: 0	No	1
14	110mm uPVC rodding eye cover in end of pipe	A: 1 B: 0	No	1
<u>PVC gulleys</u>				
15	110mm Gully not exceeding 750mm deep including standard pre-cast concrete surround	A: 1 B: 0	No	1
<u>SANITARY FITTINGS</u>				
16	Chrome shower soap holder	A: 0 B: 1	No	1
<u>"Vaal"</u>				
17	510 x 405mm "Hibiscus" (code 7050) white vitreous china rounded lavatory basin with two tapholes supported on and incl. two bolts (code 84467Z0)	A: 1 B: 2	No	3
18	White vitreous china "Daisy" semi-close coupled 90 degree outlet open rim washdown pan (code 774000) and matching 9 litre cistern (code 710034) complete with lid, fittings and flush pipe elbow and conversion bend (code 710044) and "deluxe" toilet seat	A: 1 B: 2	No	3
19	Vaal Sanitaryware Protea Paraplegic vitreous china floor mounted paraplegic washdown suite colour White (Code: 750246) comprising 90° outlet pan (Code: 750200) and matching 9 litre cistern (Code: 710631), including lid, fittings and purpose-made chromium plated side flush lever and B2 economy double flap thermost seat.	A: 0 B: 1	No	1
20	Chrome plated shower head	A: 0 B: 1	No	1
21	Corner entry shower	A: 0 B: 1	No	1
<u>WASTE UNIONS ETC</u>				
Carried to Collection				
Section No. 3 BUILDING Bill No. 12 PLUMBING AND DRAINAGE				

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22	Cobra Watertech 40mm chrome plated sink waste (Code: 316) with 70mm diameter flange, 45mm long shank, plug, chain and stay.	No	2	
23	Single bowl stainless steel sink	m	2	
TRAPS ETC				
"Marley"				
24	40 x 300mm Sink combination for double bowl with deepseal "P" trap	No	5	
"Cobra Watertech"				
25	"Cobra Ref. 365/40" CP bottle trap	No	1	
TAPS, VALVES, ETC				
26	Basin faucet tap	No	9	
27	Cobra Watertech 15mm MI x FI x 75mm long extension piece with sliding wall flange (Code: 059-15).	No	1	
28	Cobra Watertech 15mm compression type angle regulating valve with 10mm bendable copper outlet tube service connection (Code: 232/350).	No	1	
29	Cobra Watertech Star 15mm chrome plated sink mixer (Code: 296) with aerated swivel spout and 400mm long flexible inlets, manufactured in accordance with SANS 226:2009 Type 1 (BS 5412). (Laboratories - prep bowls)	No	2	
30	50mm Pipes uPVC pipes	m	1	

Carried to Collection

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 BUILDING
 Bill No. 12
 PLUMBING AND DRAINAGE

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31	110mm Pipes	A : 1 B : 0	m	1
32	50mm Pipes chased into brick walls	A : 28 B : 0	m	28
33	50mm Pipes laid in and including trenches not exceeding 1m deep	A : 14 B : 0	m	14
34	110mm Pipes laid in and including trenches not exceeding 1m deep under surface beds	A : 4 B : 0	m	4
Extra over uPVC pipes for fittings				
35	50mm BSP adaptor	A : 1 B : 0	No	1
36	110mm Pan connector	A : 1 B : 2	No	3
37	50mm Bend	A : 1 B : 0	No	1
38	50mm Access bend	A : 2 B : 0	No	2
39	100mm Bend	A : 1 B : 0	No	1
40	50mm Junction	A : 1 B : 0	No	1
41	110mm Junction	A : 1 B : 0	No	1
42	110mm Reducing junction	A : 1 B : 0	No	1
43	110mm Access bend	A : 2 B : 0	No	2
44	110mm Double junction	A : 1 B : 0	No	1
45	110mm Access junction	A : 1 B : 0	No	1
WATER SUPPLIES				
Carried to Collection				

Section No. 3
 BUILDING
 Bill No. 12
 PLUMBING AND DRAINAGE

46	32mm Pipes laid in and including trenches not exceeding 1m deep	A : 2 B : 0	
47	32mm Reducer	A : 2 B : 0	
48	32mm Tee	A : 2 B : 0	
49	50mm Bend	A : 1 B : 0	
Class 0 copper pipes			
50	15mm Pipes	A : 15 B : 0	
Extra over class 0 copper pipes for capillary fittings			
51	15mm Fittings	A : 2 B : 0	
52	22mm Fittings	A : 2 B : 0	
ELECTRIC WATER HEATERS			
"Kwikot"			
53	Kwikot 250 Litre Standard 600 Dual electric water heater (Code : EF-250-2D) complying with SABS 151-2002, overall size 1650 x 535mm high, operating at 400kPa with temperature and pressure safety relief valve including 20mm female draincock with inlet compression. Geyser to be installed horizontally in roof space with 1820 x 560mm wide polyethylene drip tray with union and back nut connected to 20mm PVC overflow pipe taken out at eaves (Code : GSTP-1940) and 22mm pipe work including two 22mm vacuum breakers (Code : KHN4.200CX) installed on hot and cold water supply. Installation to include a 22mm 400kPa Kwikot Mono control and expansion relief valve (Code : KHN3.114), all in accordance with SANS 10254, connected to single phase electrical power supply with isolator 1m away from connection on geyser.	A : 0 B : 1	
Carried to Collection			
Section No. 3 BUILDING Bill No. 12 PLUMBING AND DRAINAGE			

FIRE APPLIANCES ETC

Chubb

54	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	A : 0 B : 3	No	3
55	Service 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	A : 0 B : 2	No	2
56	"Everyway" hose reel complete with 30m plastic hose, chromium plated stopcock, shut-off nozzle and wall bracket	A : 0 B : 1	No	1

Carried to Collection

Section No. 3
 BUILDING
 Bill No. 12
 PLUMBING AND DRAINAGE

Section No. 3

BUILDING

Bill No. 12

PLUMBING AND DRAINAGE

COLLECTION

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Section No. 3

BUILDING

Bill No. 12

PLUMBING AND DRAINAGE

SECTION NO. 3

BILL NO.13

GLAZING

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades

GLAZING TO STEEL WITH PUTTY

4mm Clear float glass

Planes not exceeding 0,1 m2

A:2
B:5

Panes exceeding 0,1m2 and not exceeding 0,5m2

A:4
B:0

4mm Rough cast glass

Panes not exceeding 0,1m2

A:2
B:8

4000mm x 2000mm x 70 mm thick Bullet proof pane

MIRRORS, ETC

6mm Silvered float glass copper backed mirrors with bevelled edges, holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete

Mirror 400 x 600mm high with four screws
A : 1 B : 2

 $A:1$

B: 2

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Section No. 3

BUILDING

Bill No. 13

GLAZING

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SECTION NO.3
BILL NO.14
PAINTWORK

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades

PAINTWORK ETC TO NEW WORK

PREPARATORY WORK TO EXISTING WORK

Previously painted plastered surfaces

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

Previously painted metal surfaces

Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal

Previously painted wood surfaces

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

ON FLOATED PLASTER

Carried to Collection

Section No. 3
 BUILDING
 Bill No. 14
 PAINTWORK

Quantity	Rate	Amount
	R	

1	On internal walls	A : 51 B : 0	m2	51
ON FIBRE-CEMENT				
Plascon Polvin Super Acrylic to interior new cement plaster. Surface to be dry, sound and clean and cured for a minimum of 14 days, 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.				
2	On ceilings and cornices	A : 16 B : 110	m2	126
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.				
3	On fascias and barge boards	A : 16 B : 60	m2	76
4	On window sills not exceeding 300 mm girth	A : 10 B : 0	m	10
ON METAL				
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.				

Carried to Collection

Section No. 3
 BUILDING
 Bill No. 14
 PAINTWORK

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 INSTALLATION OF FENCING, CARPORT AND CONSTRUCTION OF
 GUARDHOUSE AT GROBLERSBERGH WEIGH BRIDGE
 WATERBERG DISTRICT

Plascon Velvagio Satin to interior new mild steel surface to be clean and dry. Remove surface contaminants using Metacare Aquasolv Degreaser (GR 1) with bristle brush or Brillo pads. Rinse thoroughly with tap water until surface is water break-free. Remove rust and millscale by abrasive blasting to ISO 8501 - 01:1988 - Sa2½ or by hand/mechanical wire brushing to St3 of the same standard. Allow to dry completely and prime within 4 hours of cleaning. Prime with one coat Metacare Mild Steel Primer (UC 501) with an overcoating time of 16 hours and finish with two coats Velvagio Satin (VLO) with 16 hours drying time between coats, for a maintenance cycle of 7 years in a C1 - inland environment.

5	On door frames	A : 4 B : 10	m2	14
6	On windows with burglar bars	A : 9 B : 15	m2	24
7	On gates, grilles, burglar screens, balustrading, etc (both sides measured over the full flat area)	A : 4 B : 50	m2	54
8	On gutters, downpipes, etc	A : 28 B : 0	m	28

ON WOOD

Plascon Woodcare Clear Varnish to exterior new wood surface to be dry, sound and clean. Wash knots and resinous areas with Lacquer Thinners (LS 1) and coat with Woodcare Knot Seal (PK 2) and apply one coat of Plascon Woodcare Pretreatment (WWP 1). overcoated within 48 hours with a moisture content, measured with a Doser Hygrometer (or equivalent), of BD 2 scale (A1-A5) < 14% or less. Prime with one coat Woodcare Clear Varnish (CVE 5) with an overcoating time of 16 hours and 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.

9	On doors	A : 8 B : 45	m2	53
10	On timber purlins	A : 8 B : 0	m	8

Carried to Collection

Section No. 3
 BUILDING
 Bill No. 14
 PAINTWORK

**PAINTWORK, ETC TO PREVIOUSLY
 PAINTED WORK**

ON FLOATED PLASTER

11	Sugar soap on facebrick	A : 0 B : 165	m2	165
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Dilux Facebrick Dressing

12	On external walls	A : 0 B : 165	m2	165
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Plascon Polvin Super Acrylic to interior new cement plaster. Surface to be dry, sound and clean and cured for a minimum of 14 days, 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.

13	On internal walls	A : 0 B : 300	m2	300
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ON FIBRE-CEMENT

ON METAL

Carried to Collection

Section No. 3
 BUILDING
 Bill No. 14
 PAINTWORK

Plascon Velvagio Satin to existing solvent based coated exterior mild steel (RD 683). Remove all paint and rust completely. Apply Plascon Rust Remover (RR 1) to rusted areas and scrub with hard bristle brush to remove rust. Rinse thoroughly with tap water. Repeat process if rust is not removed. Dry surface rapidly to prevent flash rust formation. In areas where rust cannot be removed completely, remove all loose rust by scraping and wire brushing, then apply Plascon Rust Converter (EMS 21) copiously, but only to areas where tightly adherent rust remains. Allow coating to turn black (minimum 4 hours) before overcoating. Remove Rust Converter with water where it has not reacted and turned black. Ensure surfaces are clean, dry and sound. Apply either Plascon Universal Undercoat (UC 1) or Professional Undercoat (PU 800) to bare and repaired areas. Allow 16 hours to dry; or apply Plascon Multisurface Primer (WUP 1) to bare and repaired areas. Allow 2 hours to dry. Finish with two coats of Velvagio Satin (VLO) with 16 hours drying time between coats, for a maintenance cycle of 3 years in a C1 - inland environment.		On door frames	A : 0 B : 55	m2	55
Plascon Nurtoof Acrylic Roof Paint to existing exterior galvanised steel. 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 Nurtoof Acrylic Roof Paint (TRP) with 1 hour drying time between coats, for a maintenance cycle of 7 years in a C1 - inland environment.		On windows with burglar bars	A : 0 B : 55	m2	55
Plascon Nurtoof Acrylic Roof Paint to existing exterior galvanised steel. 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 Nurtoof Acrylic Roof Paint (TRP) with 1 hour drying time between coats, for a maintenance cycle of 7 years in a C1 - inland environment.		On corrugated iron roof sheeting (measured on flat)	A : 0 B : 100	m2	100

Section No. 3
 BUILDING
 Bill No. 14
 PAINTWORK

Carried to Collection

17

On doors

A : 0

B : 40

m2

40

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.

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 BUILDING
 Bill No. 14
 PAINTWORK

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WATERBERG DISTRICT

Section No. 3

BUILDING

Bill No. 14

PAINWORK

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PAINTWORK

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Section No. 3

BUILDING

SECTION SUMMARY - BUILDING

**Bill
No**

1 FOUNDATIONS

2 CONCRETE, FORMWORK & REINFORCEMENT
 (PROVISIONAL)

3 MASONRY

4 WATERPROOFING

5 ROOF COVERINGS, ETC (PROVISIONAL)

6 CARPENTRY AND JOINERY

7 CEILINGS, ETC

8 IRONMONGERY

9 METALWORK

10 PLASTERING

11 TILING

12 PLUMBING AND DRAINAGE

13 GLAZING

14 PAINTWORK

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SECTION NO.3
BILL NO. 4
FENCING

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades as well as Engineering Specifications

SUPPLEMENTARY PREAMBLES

The following shall apply with regards to the fencing.

The contractor shall submit shop drawings for gates for approval by the architects

The manufacturer shall be cochrane, any changes shall be approved by the architects prior to implementation

Quality control program shall be submitted to the Engineer for review prior to commencement of any work.

The contractor shall submit a certificate of compliance for materials and coatings

All steel materials shall be of good commercial quality, galvanized steel.

All pipes shall be galvanized, one piece without joints.

All posts shall have moist proof caps

Zinc coating shall be smooth and essentially free from lumps, globs, or points

All miscellaneous materials shall be galvanized

The following shall apply with regards to the fencing panel:

Panel shall be of 3,297m width and 2,1m in height.

Carried to Collection

Section No. 4
 EXTERNAL WORKS
 Bill No. 1
 FENCING

Quantity	Rate	Amount
	R	

The panel shall have 2 x 70 degree flanges along sides

The panel shall have 2 x 30 degrees flanges along top and toe (integrated rigid angle, anti-scale locking

(device)

The panel shall have a flush panel post finish with no climbing aid

The panel shall be affixed to post over 48 line wires using 8 x double boltcomb clamps and 8 x single bolt comb clamps using 24 x Anti vandal bolts.

Panel and fixtures shall be galvanized

The following shall apply with regards to the fencing post:

Post shall be 2,7m long Cochrane Taper Locking Post

Post width shall be 85mm - tapering to 45mm with a

Post shall include 'Locking Recess Mechanism' to secure panel edge

Post shall be sealed with a UV stabilized polymer cap.

Post finish shall be Galvanized

Post Foundation shall be 600mm x 400mm 2 15Mpa

concrete

FENCING

Carried to Collection

Section No. 4
EXTERNAL WORKS
Bill No. 1
FENCING

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Supply and install complete High Security fence comprising of mesh panels with dimensions 3050mm wide x 2400mm high using 4mm Zincalume coated wire or similar approved welded at apertures with centres of 76mm x 12.7mm. The panel formation shall be reinforced with 3 x 50mm deep V recessed bands, 2 x 75mm 70deg flanges along sides and 90deg bend at top to accommodate spike rail. The panel to be secured to 3m long hot dip galvanised square tube post with dimensions 60 x 60 x 2mm, sealed at top with UV stabilised polypropylene cap and fitted with 1 x 8mm locking pin. The post end shall be encased in 450mm deep x 600 x 600mm square 15 MPA concrete and 25MPa concrete below panels. The panels shall be affixed to post using 8 x single bolt comb clamps and 8 x double bolt comb clamps secured with 24 x anti-vandal bolts.	2400mm High Fence including earthworks, concrete, posts, track, spike rail, etc.	A : 0 B : 504				
Clearview Sliding Gate 4000mm Long x 2400mm High (Fully Powder Coated)	A : 0 B : 1					
Clearview Sliding Gate 2400mm High x 1200mm Long (Fully Powder Coated)	A : 0 B : 1					

Carried to Collection

Section No. 4
EXTERNAL WORKS
Bill No. 1
FENCING

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Section No. 4
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 Bill No. 1
 FENCING

Section No. 4

EXTERNAL WORKS
 Bill No. 1

FENCING

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 EXTERNAL WORKS
 Bill No. 1
 FENCING

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BILL NO. 5

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades

Compaction of surfaces

Compaction of ground surface under aprons including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density

A:25
B:0

15 MPa/20 mm concrete

Aprons cast in panels to falls

A: 3
B: 0

Finishing top surfaces of concrete smooth with a wood

float

Aprons to falls

A: 0
B: 25

Smooth formwork to sides

Edges, risers, ends and reveals not exceeding 300mm

high or wide

A:20
B:0

REINFORCEMENT (PROVISIONAL)

Steele Dale Mesh standard square fabric mesh, nominal mass 1,93 kg/m² with nominal 5,6mm thick wires and 200 x 200mm pitch (code 193), complying with SANS 1024/2006 requirements, in sheets 2,4 x 6m long.

A: 25
B: 0

MOVEMENT JOINTS ETC

Carried to Collection

Section No. 4
EXTERNAL WORKS
Bill No. 2
CONCRETE APRONS

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Quantity	Rate	Amount
25		
20		
25		
3		
25		
	R	

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 INSTALLATION OF FENCING, CARPORT AND CONSTRUCTION OF
 GUARDHOUSE AT GROBLERSBERGH WEIGH BRIDGE
 WATERBERG DISTRICT

"Sondor"	
6	Sondor Performance Foams jointex low density (33kg/m³), cross linked, closed cell, expanded polyethylene joint former, size 75 x 10mm thick with tear off strip fitted to concrete surface with adhesive as per adhesive manufacturer's recommendation. A : 20 B : 0 Sika Primer-3N one component epoxy polyurethane based primer for joint sealants (Sikaflex-PRO 2HP and Sikaflex 11FC), applied in accordance with the manufacturer's instructions. 10 x 10mm in expansion joints including raking out of expansion joint filler as necessary A : 20 B : 0 m 20
7	Carried to Collection
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Section No. 4
 EXTERNAL WORKS
 Bill No. 2
 CONCRETE APRONS

Section No. 4

EXTERNAL WORKS

Bill No. 2

CONCRETE APRONS

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Section No. 4
EXTERNAL WORKS
Bill No. 2
CONCRETE APRONS

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SECTION NO.4
BILL NO.6

For preambles see "Model Preambles for Trades (2008
 Edition)" and Supplementary preambles as specified in
 the Trades

RAMPS

Compaction of surfaces

1 Compaction of ground surface under ramps including
 scarifying for a depth of 150mm, breaking down
 oversize material, adding suitable material where
 necessary and compacting to 90% Mod AASHTO
 density
 A : 0 B : 4
 15 MPa/20 mm concrete

m2 4

m3 1

Finishing top surfaces of concrete smooth with a wood
 float

3 Ramps to falls

A : 0 B : 4

m2 4

Smooth formwork to sides

4 Edges, risers, ends and reveals not exceeding 300mm
 high or wide
 A : 0 B : 4

m 4

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Section No. 4
 EXTERNAL WORKS
 Bill No. 3
 RAMPS, ETC

Amount

Rate

Quantity

R

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 INSTALLATION OF FENCING, CARPORT AND CONSTRUCTION OF
 GUARDHOUSE AT GROBLERSBERGH WEIGH BRIDGE
 WATERBERG DISTRICT

Section No. 4

EXTERNAL WORKS

SECTION SUMMARY - EXTERNAL WORKS

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1	FENCING
2	CONCRETE APRONS
3	RAMPS, ETC

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EXTERNAL WORKS

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SECTION NO. 5

BILL NO. 1

PROVISIONAL SUMS

For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades

SUPPLEMENTARY PREAMBLES

NOTE: Tenderers are referred to the definition of general attendance on nominated sub-contractors given in Clause 9 of the Preliminaries
 NOTE: Under no circumstances may any Prime Cost - Provisional Amount, etc be extended at an amount lower than the amount given in the Bill

Carried to Collection

Section No. 5
 PROVISIONAL SUMS
 Bill No. 1
 PROVISIONAL SUMS

Quantity	Rate	Amount
	R	

THE FOLLOWING PROVISIONAL SUMS ARE FOR
 WORK TO BE EXECUTED BY SELECTED
 SUBCONTRACTORS

The following Provisional Sums are for specialists work to be executed by a selected Sub-contractor who upon appointment in terms of the Conditions of Contract shall be deemed to be a Domestic Sub-Contractor to the Contractor

A Selected Sub-Contractor shall be a Sub-contractor executing work for which a sum of money is provided for in the Bills of Quantities or a Sub-contractor executing additional specialist work which arises as a result of an instruction by the Principal Agent/Engineer

Tender documents for such work shall be prepared by the Principal Agent/Engineer in consultation with and to the approval of the Contractor and such tender document shall be issued by the Principal Agent/Engineer to a list of tenderers agreed upon between the Principal Agent/Engineer and Contractor. Tenders shall be submitted to the Principal Agent/Engineer

The Selected Sub-contractor shall be chosen by the Principal Agent/Engineer and the Contractor, and the Contractor shall satisfy himself that such selected sub-contractor can meet the requirements of the Sub-Contract agreement and the Contractor shall inform the Principal Agent/Engineer accordingly

The procedure relating to the method of selection, obtaining of tenders, adjudication thereof and the appointment of the Selected Sub-contractor shall not create any contractual relationship between the Client and the Selected Sub-contractor

Joinery Fittings, etc.

1 Provide the amount of R100 000.00 (one hundred thousand rand) for the supply and installation of Joinery Fittings by Specialists

2 Allow for profit on above if required

3 Allow for giving every facility to Specialists as described

Carried to Collection

Section No. 5
 PROVISIONAL SUMS
 Bill No. 1
 PROVISIONAL SUMS

Item
 Item
 Item

100 000.00

R

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 INSTALLATION OF FENCING, CARPORT AND CONSTRUCTION OF
 GUARDHOUSE AT GROBLERSBERGH WEIGH BRIDGE
 WATERBERG DISTRICT

4	Provide the sum of R45 000,00 (forty five thousand rand) for roof maintenance etc. by Specialists	Item	45 000,00
5	Allow for profit on above if required	Item	
6	Allow for giving every facility to Specialists as described	Item	
<u>Extension of building</u>			
7	Provide the sum of R120 000,00 (one hundred and twenty thousand rand) for construction works	Item	120 000,00
8	Allow for profit on above if required	Item	
9	Allow for giving every facility to Specialists as described	Item	
<u>Window Blinds, etc</u>			
10	Provide the sum of R25 000,00 (twenty five thousand rand) for window blinds by Specialists	Item	25 000,00
11	Allow for profit on above if required	Item	
12	Allow for giving every facility to Specialists as described	Item	
<u>Watertank complete</u>			
13	Provide the sum of 40 000,00 (forty thousand rand only) for 10 000L water tank, pressure pump, purifier with cage complete by Specialists.	Item	40 000,00
14	Allow for profit on above if required	Item	
15	Allow for attendance on Specialist as described	Item	
<u>Carports etc.</u>			
16	Provide the amount of R400 000,00 (four hundred thousand rand) for the supply and installation of Carports by Specialists	Item	400 000,00
17	Allow for profit on above if required	Item	
18	Allow for giving every facility to Specialists as described	Item	
<u>Section No. 5</u>			
PROVISIONAL SUMS			
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Item	45 000,00
Item	
Item	120 000,00
Item	
Item	25 000,00
Item	
Item	40 000,00
Item	
Item	400 000,00
Item	
R	

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WATERBERG DISTRICT

Plumbing works	
19	Provide the amount of R35 000 (thirty five thousand rand) for plumbing works by Specialists
20	Allow for profit on above if required
21	Allow for giving every facility to Specialists as described
	<u>Community liaison officer</u>
22	Provide the sum of R 30 000-00 (Thirty thousand rand) for remuneration
23	Allow for profit upon above, if required
24	Allow for attendance

Section No. 5

PROVISIONAL SUMS

Bill No. 1

PROVISIONAL SUMS

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PROVISIONAL SUMS

Bill No. 1

PROVISIONAL SUMS

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 PROVISIONAL SUMS

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FINAL SUMMARY

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| 1 | PRELIMINARIES |
| 2 | ALTERATIONS |
| 3 | BUILDING |
| 4 | EXTERNAL WORKS |
| 5 | PROVISIONAL SUMS |

Sub Total 1 - BUILDING COSTS

**ELECTRICAL AND MECHANICAL
INSTALLATION**

Electrical installation,etc

Electrical installation: Part B

Mechanical installation,etc

Mechanical installation: Part C

CONTINGENCY SUM

Allow the amount of R250 000-00 (Two hundred and
 fifty thousand rand) for Contingencies for building work,
 to be used as directed by the Principal Agent and
 deducted in whole or in part if not required

Sub total BUILDINGS (VAT excl.)

Value Added Tax

Sub Total (VAT INCL.) CARRIED TO TENDER FORM

Carried to Form of Tender

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Item

Item

Item

Amount

250 000,00

95 000,00

100 000,00