



BID NUMBER: LDPWRI- B/20391

APPOINTMENT OF CONTRACTOR FOR CONSTRUCTION OF NEW PRISKA LOW COST ECD IN MOPANI DISTRICT

For the

**DEPARTMENT OF EDUCATION,
LIMPOPO PROVINCE**

**THROUGH THE FRAMEWORK CONTRACT CATEGORY C
(3GB AND ABOVE)**

Issued by:

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

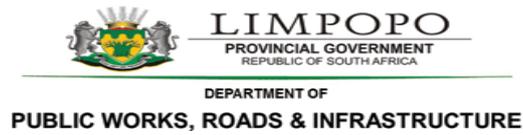
Contact Person: General Queries

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

Contact Person: Technical Queries

Name : Mr. MJ Masiya/Mr Setati CE
Tel No. : 015 284 7257
Email : Cngita@gmail.com/ SetatiCE@dpw.limpopo.gov.za

Name of the Bidder:.....



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PART T1: TENDERING PROCEDURE

T1.1 Tender Notice and Invitation to Tender

The Limpopo Department of Public Works, Roads and Infrastructure invites tenderers from contractors appointed on the framework agreement on category C for **THE CONSTRUCTION OF NEW PRISKA LOW COST ECD CENTRE THROUGH THE FRAMEWORK CONTRACT CATEGORY C**

for a period of 6 months. It is estimated that tenderers must have a CIDB contractor grading designation of **3GB** 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 CONSTRUCTION OF NEW PRISKA LOW COST ECD CENTRE THROUGH THE FRAMEWORK CONTRACT CATEGORY C for a period of 6 months..	
Tender Number	LDPWRI- B/20391	
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 (<i>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</i>)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
	Meeting venue	As per Tender invite
	Date	As per Tender invite
	Time:	As per Tender invite
Evaluation criteria	<ol style="list-style-type: none"> 1. Compliance with mandatory or compulsory requirements 2. Risk assessment on current projects 3. Price 4. Preference 	
Mandatory or Compulsory Requirements (<i>failure to submit or comply with these requirements will lead to automatic disqualification</i>)	Only tenderers who are appointed on category A 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	

**APPOINTMENT OF CONTRACTOR FOR THE CONSTRUCTION OF NEW PRISKA LOW COST ECD CENTRE THROUGH THE
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T1.2 Tender Data

Clause number	Tender Data
	<p>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.</p> <p>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.</p> <p>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.</p> <p>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:</p>
C.1.1	The Employer is the Department of Public Works, Roads and Infrastructure
C.1.2	<p>The Tender</p> <p>Part T1: Tendering procedures T1.1 Tender notice and invitation to tender T1.2 Tender data</p> <p>Part T2: Returnable documents T2.1 List of returnable documents T2.2 Returnable schedules</p> <p>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)</p> <p>The Contract Part C2: Pricing data C2.1 Pricing instructions C2.2 Bills of Quantities</p> <p>Part 3: Scope of work C3.1 Special Notes to Bidders</p> <p>Part 4: Drawings</p>

C.1.4	<p>All communications related to this bid should be directed to the persons indicated under Enquires on this tender document.</p> <p>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.</p>
C.1.5	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	<p>Eligibility in respect of CIDB grading</p> <p>Only tenderers who are appointed on framework agreement category A and registered with the Construction Industry Development Board (CIDB) with designation of 3GB 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.</p>
C2.2	<p>Cost of tendering</p> <p>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</p>
C.2.7	<p>Compulsory site briefing</p> <p>A compulsory briefing meeting will be held as per Tender invite</p> <p>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.</p>
C.2.11	<p>Alterations to the documents</p> <p>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</p>
C.2.12	<p>Alternative tender offer</p> <p>No alternative tender offer is permitted in this tender.</p>
C.2.13.2	<p>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</p>
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	<p>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:</p> <p>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.</p>

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LDPWRI-B/20391

C.2.15.1	The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender. Telephonic, telegraphic, 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	<p>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:</p> <ul style="list-style-type: none"> - Persons who had no franchise in national elections prior to 1983 and 1993 - Promotion of Women owned enterprises - Disabled persons - Promotion of SMMEs - Enterprise located in Limpopo Province - Promotion of youth - South African Owned Enterprises
	<p><i>CIDB Grading Certificate</i></p> <p>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.</p> <p><i>Letter of Good Standing</i></p> <p>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.</p>
C3.2	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 returnable 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:

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

Where:

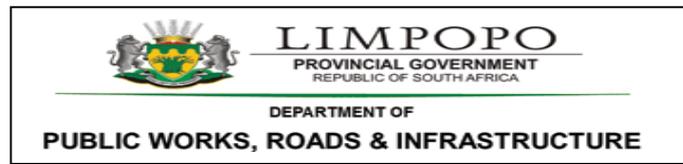
A is 80 since the estimated financial value of works inclusive of VAT is equals or is less than R 50,000,000.00.

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 Preferencing Schedule in 3.18



PART T2: RETURNABLE DOCUMENTS



LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

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- P's and G's are to have a summarized lump sum total, the BOQ to be filled in full
- 2.3 Record of Addenda to tender documents (if applicable)
- 2.4 Proposed amendments and qualifications (if applicable)
- 2.5 Proof of specific goal for award of the preference points as determined on the Request for Proposal.
- 2.6 SBD 1
- 2.7 SBD 6.1
- 2.8 Declaration on the status of Administration compliance.
- 2.9 CIDB grading certificate
- 2.10 CSD Report
- 2.11 Tax clearance certificate
- 2.12 Declaration of current projects

The following will render the bidder's proposal not responsive and will not be considered

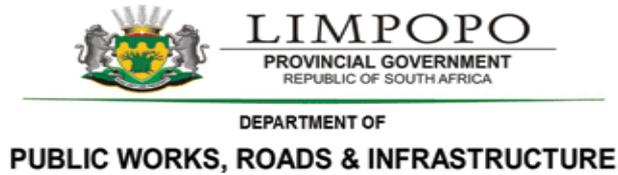
- I. Failure by the service provider to submit or complete item 2.1, 2.2, 2.3, 2.4 and 2.8
- II. The bidder should also not appear on the National Treasury's list of black listed entities.



DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

T 2.2: RETURNABLE SCHEDULE

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

.....

.....

.....

.....

Signed Date _____

Name Position _____

Enterprise
.....



Record of Addenda to tender documents

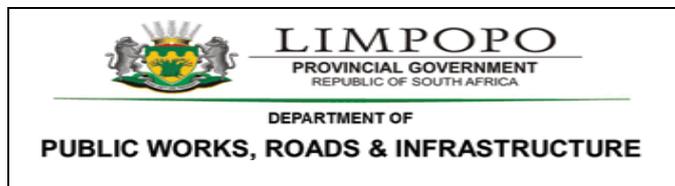
We confirm that the following communications received from the Employer before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer:		
	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

Attach additional pages if more space is required.

Signed Date

Name Position

Tenderer



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 _____ Date _____
 Name _____ Position _____
Tenderer _____

The Tenderer's attention is drawn to clause 5.8 of SANS 10845-3 regarding the employer's handling of material deviations and qualifications.

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:	LDPWRI-B/20391	CLOSING DATE	As per Tender Advert	CLOSING TIME:	11:00am
DESCRIPTION	THE CONSTRUCTION OF NEW PRISKA LOW COST ECD CENTRE THROUGH THE FRAMEWORK CONTRACT				
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@dpw.limpopo.gov.za	
CONTACT PERSON (TECHNICAL)	Mr. MJ Masiya/Mr CE Setati				
TELEPHONE NUMBER	015 284 7219	E-MAIL ADDRESS		Cngita@gmail.com	
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
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]	
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS					
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?				<input type="checkbox"/> YES	<input type="checkbox"/> NO
DOES THE ENTITY HAVE A BRANCH IN THE RSA?				<input type="checkbox"/> YES	<input type="checkbox"/> NO
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?				<input type="checkbox"/> YES	<input type="checkbox"/> NO
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?				<input type="checkbox"/> YES	<input type="checkbox"/> NO
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?				<input type="checkbox"/> YES	<input type="checkbox"/> NO
IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.					

PART B: TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:

- 1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
- 1.2. **ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED–(NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.**
- 1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
- 1.4. **THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).**

2. TAX COMPLIANCE REQUIREMENTS

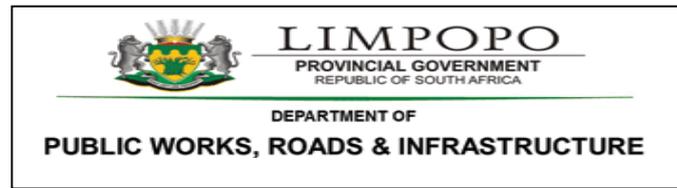
- 2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
- 2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.
- 2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.
- 2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
- 2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
- 2.6 WHERE NO TCS PIN IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
- 2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE."

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

SIGNATURE OF BIDDER:

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

DATE:



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

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

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

2. DEFINITIONS

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

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

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

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

$$\begin{array}{ccc} \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\ \\ \mathbf{Ps} = \mathbf{80} \left(\mathbf{1} - \frac{\mathbf{Pt} - \mathbf{Pmin}}{\mathbf{Pmin}} \right) & \mathbf{or} & \mathbf{Ps} = \mathbf{90} \left(\mathbf{1} - \frac{\mathbf{Pt} - \mathbf{Pmin}}{\mathbf{Pmin}} \right) \end{array}$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

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

3.2.1. POINTS AWARDED FOR PRICE

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

$$\begin{array}{ccc} \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\ \\ \mathbf{Ps} = \mathbf{80} \left(\mathbf{1} + \frac{\mathbf{Pt} - \mathbf{Pmax}}{\mathbf{Pmax}} \right) & \mathbf{or} & \mathbf{Ps} = \mathbf{90} \left(\mathbf{1} + \frac{\mathbf{Pt} - \mathbf{Pmax}}{\mathbf{Pmax}} \right) \end{array}$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmax = 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.

1.1. (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 claimed (80/20 system) (To be completed by the tenderer)	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	-	
Promotion of Women owned enterprises	-	3	-	
Disabled persons	-	2	-	
Promotion of SMMEs	-	2	-	
Enterprises located in Limpopo Province	-	4	-	
Promotion of youth	-	1	-	
South African Owned Enterprises	-	2	-	

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:

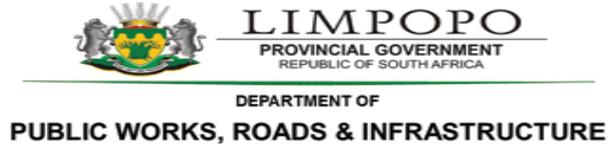
- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor 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:
.....
.....
.....



DECLARATION OF CURRENT PROJECTS

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

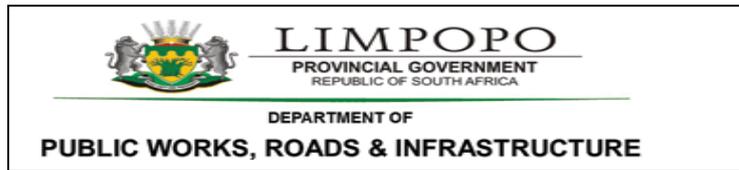
Please list the current projects which your company is busy executing in the table below.

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

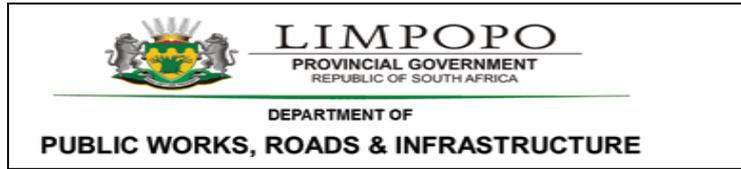
Table 1 List of current projects executed by the bidder

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.

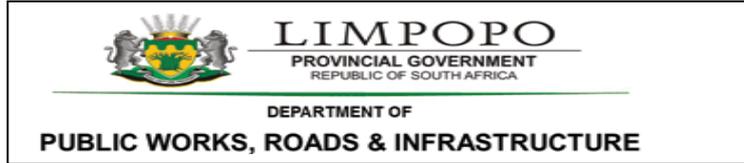
Project Description	Project Value	Start date	Planned end date	Client Name	Contact Person number



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:

APPOINTMENT OF CONTRACTOR FOR THE CONSTRUCTION OF NEW PRISKA LOW COST ECD CENTRE

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 fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the date when the tenderer receives one fully completed 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
.....
.....
.....

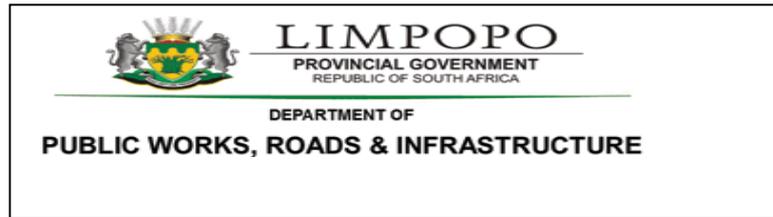
3 Subject
Details
.....
.....
.....

4 Subject
Details
.....
.....
.....

By the duly authorised representatives signing this agreement, the *Employer* and the Tenderer agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the Tender Data and addenda thereto as listed in the 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.

.....



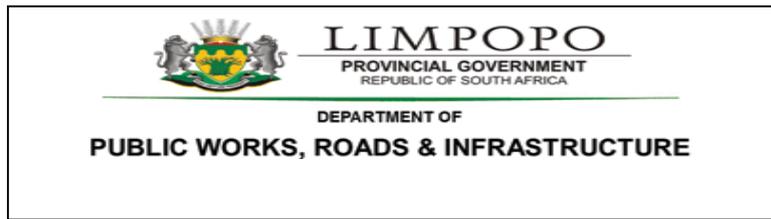
C2.1 CONTRACT DATA

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

Item No	Quantity	Rate	Amount
<u>SECTION NO 1</u>			
<u>BILL NO. 1</u>			
<u>PRELIMINARIES</u>			
<u>PRELIMINARIES</u>			
All prices/rates to be net, excluding Value Added Tax			
<u>General</u>			
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			
iv) 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			
iii) Tenderers are referred to the above mentioned 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")			
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			
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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)

1 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 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**

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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 **employer's** 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 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).

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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

	Fixed	Item
2	Value Related	Item
3	Time Related	Item
<u>Objective and Preparation (A2 - A14)</u>		
4	Offer, acceptance and performance (clause 2)	
	Fixed	Item
5	Value Related	Item
6	Time Related	Item

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7	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 "	Fixed	Item	
8		Value Related	Item	
9		Time Related	Item	
10	Design responsibility (clause 4)	Fixed	Item	
11		Value Related	Item	
12		Time Related	Item	
13	Employer's agents (clause 5)	Fixed	Item	
14		Value Related	Item	
15		Time Related	Item	
16	Contractor's site representative (clause 6)	Fixed	Item	
17		Value Related	Item	
18		Time Related	Item	
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19	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		
		Fixed	Item
20		Value Related	Item
21		Time Related	Item
22	Works risk (clause 8)		
		Fixed	Item
23		Value Related	Item
24		Time Related	Item

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25 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, claims, damages, penalties, actions, proceedings or judgments (collectively referred to as "Losses") arising from any infringement of letters, patent design, trademark, name, copyright or other protected rights in respect of any machine, plant, work, materials, thing, system or method of using, fixing, working or arrangement used or fixed or supplied by the **contractor**, but such indemnity shall not cover any use of the equipment of part thereof otherwise than in accordance with the provisions of the specification. All payments and royalties payable in one sum or by instalments or otherwise shall be included by the **contractor** in the price and shall be paid by him to those to whom they may be payable. The **contractor** shall reimburse the **employer** for all legal and other costs and expenses, including without limitation attorney's fees on attorney-client scale incurred by the **employer** in connection with investigation, defending or settling any Losses in connection with pending or threatening litigation in which the **employer** is a party.

Fixed

Item

26 Value Related

Item

27 Time Related

Item

28 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 **contractor** may deem necessary

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- 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 cost thereof from the **contractor** or to deduct the same from amounts due to the **contractor**
- (d) The **contractor** shall be responsible for the

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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 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

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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	Item
29	Value Related	Item
30	Time Related	Item

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31	Liability insurances (clause 11)		
		Fixed	Item
32		Value Related	Item
33		Time Related	Item
34	Effecting insurances (clause 12)		
		Fixed	Item
35		Value Related	Item
36		Time Related	Item
37	No clause (clause 13)		Item
38	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
39		Value Related	Item
40		Time Related	Item

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Execution (A15 - A23)

41 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

Fixed

Item

42 Value Related

Item

43 Time Related

Item

44 Access to the works (clause 16)

Fixed

Item

45 Value Related

Item

46 Time Related

Item

47 Contract instructions (clause 17)

Fixed

Item

48 Value Related

Item

49 Time Related

Item

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50	Setting out of the works (clause 18)		
	<i>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</i>		
	<i>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 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.</i>		
		Fixed	Item
51		Value Related	Item
52		Time Related	Item
53	Assignment (clause 19)		
		Fixed	Item
54		Value Related	Item
55		Time Related	Item
56	Nominated sub-contractors (clause 20)		
	Clause 20.0		
	Clause 20.1.3 is amended by replacing it with the following:		
	No Clause		
		Fixed	Item
57		Value Related	Item
58		Time Related	Item
59	Selected sub-contractors (clause 21)		
		Fixed	Item

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60	Value Related	Item
61	Time Related	Item
62	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
63	Value Related	Item
64	Time Related	Item
65	Contractor's domestic sub-contractors (Clause 23)	
	Fixed	Item
66	Value Related	Item
67	Time Related	Item

COMPLETION

Completion (A24-A30)

68	Practical completion (clause 24)	
	Fixed	Item
69	Value Related	Item
70	Time Related	Item
71	Works completion (clause 25)	
	Fixed	Item
72	Value Related	Item

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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	Item
84	Value Related	Item
85	Time Related	Item
86	Penalty for non-completion (clause 30)	
	Clause 30 is amended by replacing reference to 36.3 at end of sentence with 36.0	
	Fixed	Item

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87	Value Related	Item	
88	Time Related	Item	
	<u>Payment (A31 - A35)</u>		
89	Interim payment to the contractor (clause 31)		
	<p>Clause 31.9 is amended by replacing "seven (7) calender days" with "thirty (30) calender days" and by deleting the words "subject to the contractor giving the employer a tax invoice for the amount due</p> <p>Clause 31.12 is amended by deleting the following</p> <p>Payment shall be subject to the employer giving the contractor a tax invoice for the amount due</p>		
	Fixed	Item	
90	Value Related	Item	
91	Time Related	Item	
92	Adjustment to the contract value (clause 32)		
	<p>Clause 32.0</p> <p>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:</p> <p>"due to no fault of the contractor"</p>		
	Fixed	Item	
93	Value Related	Item	
94	Time Related	Item	
95	Recovery of expense and loss (clause 33)		
	Fixed	Item	
96	Value Related	Item	
97	Time Related	Item	
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98	Final account and final payment (clause 34) Clause 34.0 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"	Fixed	Item
99		Value Related	Item
100		Time Related	Item
101	Payment to other parties (clause 35)	Fixed	Item
102		Value Related	Item
103		Time Related	Item

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Cancellation (A36-A39)

104 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	Item
105	Value Related	Item
106	Time Related	Item

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107	<p>Cancellation by employer - loss and damage (clause 37)</p> <p>Clause 37.3.5 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)"</p> <p>Clause 37.0 is amended by the addition of the following clause:</p> <p>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</p>	Fixed	Item
108		Value Related	Item
109		Time Related	Item
110	<p>Cancellation by contractor - employer's default (clause 38)</p> <p>Clause 38.5.4 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)"</p> <p>Clause 38.0 is amended by the addition of the following clause:</p> <p>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</p>	Fixed	Item
111		Value Related	Item
112		Time Related	Item

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113	<p>Cancellation - cessation of the works (clause 39)</p> <p>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"</p> <p style="text-align: right;">Fixed</p>	Item
114	Value Related	Item
115	Time Related	Item

Dispute Settlement (A40)

116	<p>Disputes Settlement (clause 40)</p> <p>Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years"</p> <p>Clause 40.6 is amended by removing the reference to:</p> <p>No clause</p> <p>Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following:</p> <p>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.</p> <p style="text-align: right;">Fixed</p>	Item
117	Value Related	Item
118	Time Related	Item

State Provision (A41)

119	<p>State Substitutions (clause 41)</p> <p>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:</p> <p>40.1 Should any dispute between the employer, his agents or principal agent on the one hand and</p>	
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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 JBCC 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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	Fixed	Item
120	Value Related	Item
121	Time Related	Item

Contract Variables (A41)

122 The Schedule (clause 42)

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

	Fixed	Item
123	Value Related	Item
124	Time Related	Item

SECTION B: PRELIMINARIES

Definition and interpretation (B1)

125 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
126	Value Related	Item
127	Time Related	Item

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137	Interests of agents (B2.4)		
		Fixed	Item
138		Value Related	Item
139		Time Related	Item
140	Priced documents (B2.5)		
		Fixed	Item
141		Value Related	Item
142		Time Related	Item
143	Tender submission (B2.6)		
	<i>Notwithstanding anything contained in this clause tenders shall be valid for a period of ninety (90) days from the closing date of tenders</i>		
	<i>Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer and Acceptance C1.1"</i>		
		Fixed	Item
144		Value Related	Item
145		Time Related	Item
	<u>The site (B3)</u>		
146	Defined works area (B3.1)		
		Fixed	Item
147		Value Related	Item
148		Time Related	Item
149	Geotechnical investigation (B3.2)		
		Fixed	Item
150		Value Related	Item
151		Time Related	Item

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152	Inspection of the site (B3.3)				
	<p><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></p> <p><i>No claims for extras arising from the contractor having failed to comply with this clause will be entertained</i></p>				
		Fixed		Item	
153		Value Related		Item	
154		Time Related		Item	
155	Existing premises occupied (B3.4)				
		Fixed		Item	
156		Value Related		Item	
157		Time Related		Item	
158	Previous work - dimensional accuracy (B3.5)				
	<p><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></p>				
		Fixed		Item	
159		Value Related		Item	
160		Time Related		Item	
161	Previous work - defects (B3.6)				
		Fixed		Item	
162		Value Related		Item	
163		Time Related		Item	
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181	Time Related	Item
182	<p>Programming for the works (B4.2)</p> <p>Clause B4.2 is hereby amended by the addition of the following:</p> <p>Programme:</p> <p>The contractor and the principal agent shall agree to a Contract Programme for the control of the Works.</p> <p>The contractor shall submit a draft of the Contract Programme and method statement to the principal agent for approval together with the tender.</p> <p>The contractor shall ensure that the contract programme:</p> <ol style="list-style-type: none"> 1. Shall be prepared and drawn up to comply in all respects with the requirements of this Agreement. 2. shall be drawn up using logic developed during the tender period and complies with the planning requirements of the Client. 3. shall be in accordance with the dates given herein for possession and practical completion; and 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 <p>The principal agent shall examine and comment on the contract programme and method statement within two weeks of its submission.</p> <p>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.</p> <p>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</p>	<p style="text-align: right;">Carried to Collection</p> <p style="text-align: right;">R</p>
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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 of 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 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

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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 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.

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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.

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

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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	Item
183		Value Related	Item
184		Time Related	Item
185	Progress meetings (B4.3)		
		Fixed	Item
186		Value Related	Item
187		Time Related	Item
188	Technical meetings (B4.4)		
		Fixed	Item
189		Value Related	Item
190		Time Related	Item
191	Labour and plant records (B4.5)		
		Fixed	Item
192		Value Related	Item
193		Time Related	Item
	<u>Samples, shop drawings and manufacturer's instructions (B5)</u>		
194	Samples of materials (B5.1)		
		Fixed	Item

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195		Value Related	Item	
196		Time Related	Item	
197	Workmanship samples (B5.2)			
		Fixed	Item	
198		Value Related	Item	
199		Time Related	Item	
200	Shop drawings (B5.3)			
		Fixed	Item	
201		Value Related	Item	
202		Time Related	Item	
203	Compliance with manufacturer's instructions (B5.4)			
		Fixed	Item	
204		Value Related	Item	
205		Time Related	Item	
	<u>Temporary works and plant (B6)</u>			
206	Deposits and fees (B6.1)			
		Fixed	Item	
207		Value Related	Item	
208		Time Related	Item	
209	Enclosure of the works (B6.2)			
		Fixed	Item	
210		Value Related	Item	
211		Time Related	Item	
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229		Time Related	Item	
230	Electricity (B7.3)			
		Fixed	Item	
231		Value Related	Item	
232		Time Related	Item	
233	Telecommunication facilities (B7.4)			
		Fixed	Item	
234		Value Related	Item	
235		Time Related	Item	
236	Ablution facilities (B7.5)			
		Fixed	Item	
237		Value Related	Item	
238		Time Related	Item	
	<u>Prime cost amounts (B8)</u>			
239	Responsibility for prime cost amounts (B8.1)			
		Fixed	Item	
240		Value Related	Item	
241		Time Related	Item	
	<u>Attendance on nominated and selected subcontractors (B9)</u>			
242	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	
243		Value Related	Item	
244		Time Related	Item	
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259		Time Related	Item	
260	Payment certificate cash flow (B10.4)			
		Fixed	Item	
261		Value Related	Item	
262		Time Related	Item	
	<u>General (B11)</u>			
263	Protection of works (B11.1)			
		Fixed	Item	
264		Value Related	Item	
265		Time Related	Item	
266	Protection/isolation of existing/sectionally occupied works(B11.2)			
		Fixed	Item	
267		Value Related	Item	
268		Time Related	Item	
269	Site security (B11.3)			
		Fixed	Item	
270		Value Related	Item	
271		Time Related	Item	
272	Notice before covering work (B11.4)			
		Fixed	Item	
273		Value Related	Item	
274		Time Related	Item	
275	Disturbance (B11.5)			
		Fixed	Item	
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276		Value Related	Item	
277		Time Related	Item	
278	Enviromental disturbance (B11.6)			
		Fixed	Item	
279		Time Related	Item	
280		Value Related	Item	
281	Works cleaning and clearing (B11.7)			
		Fixed	Item	
282		Value Related	Item	
283		Time Related	Item	
284	Vermin (B11.8)			
		Fixed	Item	
285		Value Related	Item	
286		Time Related	Item	
287	Overhand work (B11.9)			
		Fixed	Item	
288		Value Related	Item	
289		Time Related	Item	
290	Instruction manuals and guarantees (B11.10)			
		Fixed	Item	
291		Value Related	Item	
292		Time Related	Item	
293	As built information (B11.11)			
		Fixed	Item	
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294		Value Related	Item
295		Time Related	Item
296	Tenant installations (B11.12)		
		Fixed	Item
297		Value Related	Item
298		Time Related	Item
	<u>Schedule of variables (B12)</u>		
299	Pre-tender information (B12.1)		
	<p>This schedule contains all variables referred to in this document and is divided into pretender 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.</p>		
		Fixed	Item
300		Value Related	Item
301		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:

12.1.3 **Interest of agents (B12.1.3)**

No

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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

12.1.5 **Geotechnical investigation (B12.1.5)**

The geotechnical report is available for viewing at the offices of the Principal Agent

Yes

12.1.6 **Existing premises occupied (B12.1.6)**

[3.4] Specific requirements:
None

12.1.7 Previous work - Dimensional accuracy (B12.1.7)

[3.5] Details:
No additional details

No

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

12.1.11 **Inspection of adjoining properties**

[3.11] Specific requirements:
None

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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 x 3m 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 3m 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)
NO

Specific requirements:

12.1.16 **Water**

[7.2] Option A (by contractor) (yes/no)
YES

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12.1.17 *Electricity*

[7.3] Option A (by **contractor**) (yes/no)
 YES

12.1.18 *Telecommunications*

[7.4] Telephone (yes/no)
 YES

Facsimile (yes/no)
 YES

E-mail (yes/no)
 YES

12.1.19 *Ablution facilities*

[7.5] Option A (by **contractor**) (yes/no)
 YES

Option B (by **employer**) (yes/no)
 NO

12.1.20 *Protection of existing/sectionally occupied works*

[11.2] Protection is required (yes/no)
 YES

12.1.21 *Special attendance*

The contractor must obtain information from all subcontractors at tender stage regarding special attendance 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:

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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

302 Post-tender information (B12.2)

All post-tender information for this section will be determined once tender is awarded

Fixed

Item

303 Value Related

Item

304 Time Related

Item

12.2.1 **Payment of preliminaries**

[10.2] Option A (prorated) (yes/no)
YES

Option B (calculated) (yes/no)
NO

12.2.2 **Adjustment of preliminaries**

[10.3] Option A (three categories) (yes/no)
YES

Option B (detailed breakdown) (yes/no)
NO

Carried to Collection

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12.2.3 **Additional agreed preliminaries items**

Details:
None

305 Other post tender information (B12.3)

All post-tender information for this section will be determined once tender is awarded

Fixed

Item

306 Value Related

Item

307 Time Related

Item

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

308 **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 the tenderer he shall, before submitting his tender, obtain clarification in writing from the **principal agent**

Fixed

Item

309 Value Related

Item

310 Time Related

Item

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311	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	Item
312			Value Related	Item
313			Time Related	Item
314	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		
			Fixed	Item
315			Value Related	Item
316			Time Related	Item
317	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	Item
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318	Value Related	Item	
319	Time Related	Item	
320	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	
321	Value Related	Item	
322	Time Related	Item	
323	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	
324	Value Related	Item	
325	Time Related	Item	
326	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	
327	Value Related	Item	
328	Time Related	Item	
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329 **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

Item

330

Value Related

Item

331

Time Related

Item

332 **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

Item

333

Value Related

Item

334

Time Related

Item

Carried to Collection

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335 **Clause C8 - Occupational Health and Safety Act**

The **contractor** shall comply with all the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993).

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**.

The **contractor** must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the **principal agent**, notwithstanding the provisions of clause A31.0 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.

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.

Fixed

Item

336 Value Related

Item

337 Time Related

Item

338 **Clause C9 - Viewing of the school areas**

The **site** is situated in a school area and the tenderer must arrange with the Principal or other responsible school staff to obtain permission to enter the **site** for tendering purposes

Fixed

Item

339 Value Related

Item

340 Time Related

Item

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341 **Clause C10 - Commencement of Works in School Areas**

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 Item

342 Value Related Item

343 Time Related Item

344 **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 Item

345 Value Related Item

346 Time Related Item

347 **Clause C12 - Security Check of Personnel**

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 Item

348 Value Related Item

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349	Time Related	Item	
350	Clause C13 - HIV/Aids Awareness		
	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	Item	
351	Value Related	Item	
352	Time Related	Item	
353	Clause C13.1 - Awareness Champion		
	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	
354	Value Related	Item	
355	Time Related	Item	
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356	Clause C13.2 - Awareness Workshop		
	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
357		Value Related	Item
358		Time Related	Item
359	Clause C13.3 - Posters, booklets, videos, etc.		
	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
360		Value Related	Item
361		Time Related	Item
362	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
363		Value Related	Item
364		Time Related	Item

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365 **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

366

Value Related

Item

367

Time Related

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<p><u>BILL NO.1</u></p>			
<p><u>FOUNDATIONS</u></p>			
<p><u>EARTHWORKS</u></p>			
<p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p><u>Nature of ground</u></p>			
<p>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</p>			
<p><u>Nature of ground</u></p>			
<p>A soils investigation has not been carried out on site by the engineer . Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth"</p>			
<p><u>Carting away of excavated material</u></p>			
<p>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</p>			
<p><u>Filling</u></p>			
<p>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</p>			
<p>Carried to Collection</p>			
<p>Section No. 2 BUILDING Bill No. 1 FOUNDATIONS</p>			
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CONSTRUCTION OF NEW PRISKA ECD

Soil poisoning

Ant 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 items once they have produced the said certificate to the Principal Agent

SITE CLEARANCE ETC

Site clearance

1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	347
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BULK EXCAVATION, FILLING, ETC

Open face excavation in earth over sloping site

2	Open face excavation	m3	57
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Extra over bulk excavation in earth for excavation in

3	Soft rock	m3	2
4	Hard rock	m3	2

Risk of collapse of excavations

5	Sides of bulk excavations not exceeding 1,5m deep	m2	234
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Extra over all excavations for carting away

6	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	12
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Keeping excavations free of water

7	Keeping excavations free of all water other than subterranean water		Item
---	---	--	------

Earth filling of G6 material supplied by the contractor, compacted to 95% Mod AASHTO density

8	Over site to form platforms and compacted in 150mm thick layers	m3	57
---	---	----	----

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CONSTRUCTION OF NEW PRISKA ECD

**EXCAVATION, FILLING, ETC -ABLUTION
BLOCK**

Excavation in earth not exceeding 2m deep

9	Trenches	m3	12
10	Holes for tanks, etc.	m3	0.2
11	Holes for Enviroloo Tank	m3	25
<u>Extra over trench and hole excavations in earth for excavation in</u>			
12	Soft rock	m3	1
13	Hard rock	m3	1
<u>Extra over all excavations for carting away</u>			
14	Surplus material from excavations on site to a dumping site to be located by the contractor	m3	15
<u>Risk of collapse of excavations</u>			
15	Sides of trench and hole excavations not exceeding 1,5m deep	m2	59
<u>Keeping excavations free of water</u>			
16	Keeping excavations free of all water other than subterranean water		Item
<u>Earth filling obtained from the excavations and /or prescribed stock piles on site including compacted to 93% Mod AASHTO density</u>			
17	Under floors, steps, paving, etc	m3	7
18	Backfilling to trenches, holes, etc	m3	15
<u>Earth filling supplied by the contractor compacted to 93% Mod AASHTO density</u>			
19	Under floors, steps, paving etc.	m3	14

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	<u>Compaction of surfaces</u>		
20	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	m2	175
21	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 (Ramps)	m2	10
22	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 (Tank stands)	m2	2
	<u>Prescribed density tests on filling</u>		
23	"Modified AASHTO Density"	No	10
	<u>SOIL POISONING</u>		
	<u>Soil insecticide</u>		
24	To bottoms and sides of trenches etc	m2	95
25	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	175
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>		
	<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>		
	<u>15MPa/19mm concrete</u>		
26	Surface blinding under footings and bases	m3	1
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REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES

25MPa/19mm concrete

27	Strip footings	m3	6
28	Surface bed of rainwater tanks, etc.	m3	0.2
29	Surface beds in tank bottoms	m3	3

REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES

30Mpa/19mm concrete

30	Raft foundations	m3	74
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FINISHING TOP SURFACE OF CONCRETE

Finishing top surfaces of concrete smooth with a wood float/steel trowel

31	Surface beds, slabs, etc (rainwater tanks)	m2	2
32	Surface beds, slabs, etc (Bottom of tanks)	m2	12

SMOOTH FORMWORK (DEGREE OF ACCURACY I)

Smooth formwork to sides

33	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	97
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PERMANENT FORMWORK TO SOFFITS

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CONSTRUCTION OF NEW PRISKA ECD

	<u>Brickwork of NFP bricks in class II mortar</u>		
41	Half brick wall brick-on-flat and projecting approximately 115mm built all around tank pit as support to Enviro loo tanks	m	21
42	One brick walls	m2	27
43	One brick walls-in holes	m2	26
	<u>Brickwork reinforcement</u>		
44	150mm Wide reinforcement built in horizontally	m	618

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<p><u>SECTION NO.2</u></p>			
<p><u>BILL NO.2</u></p>			
<p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p>			
<p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p><u>Cost of tests</u></p>			
<p>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests 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)</p>			
<p>Breeze concrete shall consist of twelve parts clean dry furnace ash, free from coal or other foreign matter, to one part cement (12:1), the ash graded up to particles which will pass a 16,5mm ring from a minimum which fails to pass a 4,75mm mesh. The finer materials from the screening are to be first mixed with the cement into a mortar and the ash added afterwards and thoroughly incorporated</p>			
<p><u>Formwork</u></p>			
<p>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</p>			
<p>Carried to Collection</p>			
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CONSTRUCTION OF NEW PRISKA ECD

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"

UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES

20MPa/19mm concrete

1	Ramps	m3	0.2
2	Vanity slabs for hand wash station, etc	m3	0.4

REINFORCED CONCRETE

30MPa/19mm concrete

3	Surface beds cast in panels on waterproofing.	m3	18
4	Slabs	m3	0.2

SMOOTH FORMWORK (DEGREE OF ACCURACY I)

Smooth formwork to sides

5	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	1
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Smooth formwork to soffits

6	Soffit of slabs	m2	2
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CONSTRUCTION OF NEW PRISKA ECD

CONCRETE SUNDRIES

Finishing top surfaces of concrete smooth with a steel trowel

7	Ramps to falls	m2	2
8	Surface beds, slabs, etc	m2	183
9	On vanity slabs for hand wash basins	m2	4

TEST CUBES

10	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	Sets	16
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MOVEMENT JOINTS ETC

Saw cut joints

11	5 x 25mm Saw cut joints on top of concrete	m	40
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DIVIDING STRIPS, ETC.

12	6 x 38mm Angle iron step guard cast into concrete with 3 x 6mm anchors	m	5
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REINFORCEMENT (PROVISIONAL)

Fabric reinforcement

13	Steeledale Mesh standard square fabric mesh, nominal mass 1,93 kg/m ² 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.	m2	165
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 CONCRETE, FORMWORK & REINFORCEMENT (PROV

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CONSTRUCTION OF NEW PRISKA ECD

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BUILDING

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CONCRETE, FORMWORK & REINFORCEMENT (PROVISIONAL)

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Item No		Quantity	Rate	Amount
	<u>SECTION NO.2</u>			
	<u>BILL NO.3</u>			
	<u>MASONRY</u>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>BRICKWORK</u>			
	<u>Sizes in descriptions</u>			
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick			
	<u>Linings to concrete</u>			
	Descriptions of linings to concrete, unless otherwise described, shall be deemed to include wire ties			
	<u>Face bricks</u>			
	Bricks shall be ordered timeously to obtain uniformity in size and colour			
	<u>Pointing</u>			
	Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc			
	<u>SUPERSTRUCTURE</u>			
	<u>Brickwork of NFP bricks in class II mortar</u>			
1	Half brick walls	m2	14	
2	Half brick walls in beamfilling	m2	16	
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CONSTRUCTION OF NEW PRISKA ECD

3	One brick walls	m2	306
<u>BRICKWORK SUNDRIES</u>			
<u>Brickwork reinforcement</u>			
4	75mm Wide reinforcement built in horizontally	m	118
5	150mm Wide reinforcement built in horizontally	m	1 352
<u>"Allied Concrete" prestressed fabricated lintels</u>			
6	110 x 75mm Lintels in lengths not exceeding 3m	m	5
7	110 x 75mm Lintels in lengths exceeding 4.50m and not exceeding 6m	m	9
<u>Galvanised hoop iron cramps, ties, etc</u>			
8	30 x 1,6mm Roof tie 1,5m long with one end fixed to timber and other end built into brickwork	No	14
<u>Holes</u>			
9	Leave or form opening through one brickwall for pipe exceeding 100mm and n.e 200mm diameter	No	4

NUTEC-CEMENT/FIBRE-CEMENT WINDOW SILLS

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	<u>Nutec window internal sill or similar approved, size 150mm x 15mm thick, 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.</u>		
10	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.	m	19
	<u>Air bricks etc</u>		
11	220 x 220mm Clay vermin proof air brick	No	6
	<u>FACE BRICKWORK</u>		
	<u>Face bricks (Purchase price of R 6 500-00/1000 VAT excl. delivered to site) pointed with recessed horizontal and vertical joints</u>		
12	Extra over brickwork for face brickwork	m2	20
13	Extra over brickwork for brick-on-edge header course lintel	m	10

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MASONRY

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	<u>BILL NO.4</u>			
	<u>WATERPROOFING</u>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Waterproofing</u>			
	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			
	<u>DAMP-PROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron Consol Plastic Brikgrip DPC" embossed damp proof course</u>			
1	In walls	m2	38	
	<u>One layer of 250 micron "Consol Plastic USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u>			
2	Under surface beds	m2	183	
	<u>JOINT SEALANTS ETC</u>			
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CONSTRUCTION OF NEW PRISKA ECD

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.

3	5 x 10mm In saw cut joints in top of concrete	m		40
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 WATERPROOFING

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WATERPROOFING

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Item No	<u>SECTION NO.3</u>	Quantity	Rate	Amount
	<u>BILL NO.7</u>			
	<u>CEILINGS , ETC.</u>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions:</u>			
	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			
	<u>CEILINGS ETC</u>			
	<u>Sawn softwood</u>			
1	38 x 114mm Ceiling joists	m	14	
	<u>"Rhino" gypsum plasterboard cornices</u>			
2	75mm Coved cornices	m	24	
	<u>NAILED UP CEILINGS</u>			
	<u>6mm "Everite Nutec" fibre-cement boards with H-profile primed steel jointing cover strips over joints</u>			
3	Ceilings including 38 x 38mm branderling at 90deg to trusses at maximum centres of 400mm by 32mm long galvanised nails.	m2	18	
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	Section No. 2 BUILDING Bill No. 5 CEILINGS			

CONSTRUCTION OF NEW PRISKA ECD

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

No

1

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<p><u>SECTION NO.2</u></p>			
<p><u>BILL NO.5</u></p>			
<p><u>ROOF COVERINGS ETC</u></p>			
<p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p><u>General</u></p>			
<p>All roof coverings, etc., to be with a covering of Z275 galvanising. All holes to be drilled and not punched</p>			
<p>Where described as with "Chromadek" finish, all sheets, flashings, etc., shall be with "Chromadek" silicone polyester paint for exterior use</p>			
<p><u>Sizes</u></p>			
<p>All items are measured net unless otherwise described</p>			
<p><u>Flashings, trimming plates, etc.</u></p>			
<p>Prices to include for all cutting and waste and relevant fixing material, unless otherwise described</p>			
<p>All rates for flashings, trimmings, etc., to include for forming drips and closed ends to troughs of sheet steel roof covering where applicable</p>			
<p>All items are unless otherwise described measured net</p>			
<p><u>PROFILED METAL SHEETING AND ACCESSORIES</u></p>			
<p>Carried to Collection</p>			
<p>Section No. 2 BUILDING Bill No. 6 ROOF COVERINGS, ETC</p>			
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CONSTRUCTION OF NEW PRISKA ECD

	<u>0,5mm "Brownbuilt Klip-Lok Light Industrial" galvanised troughed sheeting or similar approved in single lengths fixed to timber purlins and 0,6mm galvanised steel accessories fixed to timber roof members by a firm of Specialists who will give a five (5) year guarantee, all in accordance with the manufacturer's instructions</u>		
1	Roof covering with pitch not exceeding 50 degrees	m2	55
	<u>0,5mm "Brownbuilt Klip-Lok Light Industrial" galvanised troughed sheeting steel or similar approved in single lengths fixed to steel purlins and 0,6mm galvanised steel accessories fixed to steel roof members by a firm of Specialists who will give a five (5) year guarantee, all in accordance with the manufacturer's instructions</u>		
2	Roof covering with pitch not exceeding 50 degrees	m2	200
3	Head wall flashings 462mm girth	m	16
4	Ridge capping (Code FK3) to be Brownbuilt Klip-Lok 406,550mm girth, three times bent along girth and notched on site to suit roof profile.	m	14
5	Hip capping to be Brownbuilt Klip-Lok 406- 550mm girth, three times bent along girth and notched on site to suit roof profile.	m	8
	<u>Translucent polycarbonate sheeting with 24mm side laps and 60mm end laps, fixed to steel purlins or rails</u>		
6	Side cladding	m2	20
<u>ROOF AND WALL INSULATION</u>			
	<u>"Alucushion" or Similar approved</u>		
7	4mm Alucushion®/Bubblefoil® FR (fire retardant grade) double-sided aluminium foil insulation (Code: 1983) or similar approved, laid taut 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.	m2	255

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 ROOF COVERINGS, ETC

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ROOF COVERINGS, ETC

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ROOF COVERINGS, ETC

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<p><u>SECTION NO.2</u></p>			
<p><u>BILL NO.6</u></p>			
<p><u>CARPENTRY AND JOINERY</u></p>			
<p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p><u>Particle board:</u></p>			
<p>Particle board shall comply with the following specifications:</p>			
<p>a) SABS 1300 Particle board: exterior and flooring type</p>			
<p>b) SABS 1301 Particle board: interior type</p>			
<p><u>Joinery:</u></p>			
<p>Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc</p>			
<p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p>			
<p><u>Fixing</u></p>			
<p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p>			
<p><u>Decorative laminate finish:</u></p>			
<p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p>			
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ROOFS, ETC.

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 sheeting fibre cement ceilings on 38 x 38mm brandering.

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.

Wrought softwood

1 Complete supply and erection of double pitched timber roof including wall plates, trusses, jack rafters, permanent bracing and 50 x 76mm purlins, etc. all as per the drawings attached to these bills of quantities (Toilet Block)

No 1

Sawn softwood

Plate nailed timber roof truss construction

2 50 x 228mm Bearers bolted

m 12

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 CARPENTRY AND JOINERY

CONSTRUCTION OF NEW PRISKA ECD

EAVES, VERGES, ETC

"Everite FC77" pressed fibre-cement

3	Everite medium density plain ungrooved Nutec fascia boards (Code: 040-904), size 225 x 10mm, fixed to timber rafters twice screwed with 12 x 40mm countersunk brass screws with Chromaprep fascia jointing plate between boards and at board ends.	m	98
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DOORS, ETC

44mm Wrought meranti framed, ledged, braced and battened 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

4	Door size 914 x 2032mm high including weatherboard	No	9
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40mm Solid core interior doors with Masonite® Plain standard hardboard door panel for paint (elsewhere specified).

5	Door size 813 x 2032mm high	No	4
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CARPENTRY AND JOINERY

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	<u>BILL NO.7</u>			
	<u>IRONMONGERY</u>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Finishes to ironmongery</u>			
	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			
	<u>CATCHES,CABIN HOOKS, ETC</u>			
	<u>"Solid" or Similar approved</u>			
1	100mm Cabin hook and eye including 70 x 70 x 20mm chamfered hardwood block twice oiled and plugged	No	5	
	<u>LOCKS</u>			
	<u>"Dorma" or Similar approved</u>			
2	Three Lever Lockset	No	9	
3	Dorma "DDS-NP-018" nickel plated door stop. (N/Plated)	No	9	
	<u>SUNDRIES</u>			
	<u>"Vaal Paragon" or Similar approved</u>			
4	32mm Type 9 back grab rail 800mm long plugged	No	1	
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CONSTRUCTION OF NEW PRISKA ECD

5	32mm Type 8 side grab rail 900mm girth plugged	No	1
<u>LETTERS, NAMEPLATES, ETC</u>			
6	Natural anodised stainless steel plate with male symbol	No	2
7	Natural anodised stainless steel plate with female symbol	No	1
8	Natural anodised stainless steel plate with paraplegic pictogram	No	1
<u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</u>			
<u>"Vitrex" or Similar approved</u>			
9	Pinning boards 1200 x 1200mm high fixed to brickwork	No	6
10	White writing boards 2400 x 1200mm high	No	8

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 IRONMONGERY

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IRONMONGERY

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IRONMONGERY

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	<p><u>SECTION NO.2</u></p> <p><u>BILL NO.8</u></p> <p><u>METALWORK</u></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Descriptions</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Metalwork described as"holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p><u>STEEL HANDRAILS, BALUSTRADES, ETC</u></p> <p><u>Welded handrails to walkways as per drawings attached to these bills of quantities</u></p>			
1	<p>Horizontal welded balustrading 1000mm high formed of 50 x 50 x 3mm thick square hollow section top and bottom rails, with uprights formed of 50 x 50 x 3mm thick square hollow section steel at 986mm centres, the balustrading with two diagonal cross members formed of 50 x 25 x 3mm thick hollow section and welded to steel columns (e/m) at 3000mm centres for Ramp with Raking welded balustrading 1000mm high formed of 50 x 50 x 3mm thick square hollow section top and bottom rails, with uprights formed of 50 x 50 x 3mm thick square hollow section steel at 986mm centres, the balustrading with two diagonal cross members formed of 50 x 25 x 3mm thick hollow section and welded to steel columns (e/m) at 3000mm centres</p>	m	4	
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	<p>Section No. 2 BUILDING Bill No. 9 METALWORK</p>			

CONSTRUCTION OF NEW PRISKA ECD

WELDED SCREENS, GATES, ETCGates to external doors

2	Single gate and frame size 1000 x 2185mm high	No	5
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PRESSED STEEL DOOR FRAMES1,2mm Double rebated frames suitable for half brick walls

3	Frame for door size 813 x 2032mm	No	4
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1,2mm Double rebated frames suitable for one brick walls

4	Frame for door size 914 x 2032mm high	No	9
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SUNDRY METALWORKBolts

5	100mm Long x 10mm diameter bolt and nut with two (2) washers	No	2
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6	85mm Long x 10mm wide rawl bolt fixed	No	8
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Welded steel columns, etc.

7	76 x 76 x 3mm Thick rectangular column size approximately 2800mm high with 200 x 200 x 10mm thick base plate with four holes drilled and U shaped holding bracket size 100 x 60 x 4,5mm thick formed of rectangular hollow section 200mm long twice drilled	No	2
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STEEL WINDOWS, DOORS, ETC"Nty" steel or similar approved school windows with standard burglar bars formed of 20 x 5mm thick flat bars to all sashes

8	Window size 900 x 900mm high	No	12
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9	Window size 650 x 650mm high	No	4
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10	Window size 1511 x 949mm high	No	6
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METALWORK

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ALUMINIUM SLIDING FOLDING DOORS

Powder coated sliding folding doors as per "?" system complete with subframes, ironmongery, glass, sealing, etc and fixing to brickwork or concrete

11	Purpose made sliding folding door, 7000 x 3000mm high	No	1
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METALWORK

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CONSTRUCTION OF NEW PRISKA ECD

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METALWORK

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	<u>BILL NO.9</u>			
	<u>PLASTERING</u>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
	<u>SCREEDS</u>			
	<u>Screeds on concrete</u>			
1	20mm Thick on floors	m2	184	
	<u>GRANOLITHIC</u>			
	<u>Untinted granolithic on concrete</u>			
2	20mm Thick on floors	m2	21	
3	75mm High coved grano skirting	m	12	
	<u>INTERNAL PLASTER</u>			
	<u>Cement plaster on brickwork</u>			
4	On walls	m2	249	
5	On narrow widths	m2	6	
	<u>Cement plaster on concrete</u>			
6	On concrete soffits	m2	20	
	<u>EXTERNAL PLASTER</u>			
	<u>Cement plaster on brickwork</u>			
7	On walls	m2	196	
8	On walls(Tank Stands)	m2	11	
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9	<u>Cement plaster on concrete</u> On concrete soffits	m2	2	
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4	<u>"Vaal" white glazed ceramic</u> 180 x 180 x 120mm Toilet paper holder (Ref. 653110)	No	4	
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<p><u>BILL NO.11</u></p>			
<p><u>PLUMBING AND DRAINAGE</u></p>			
<p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p><u>"Polycop" polypropylene pipes:</u></p>			
<p>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</p>			
<p>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</p>			
<p>All pipe diameters are nominal external</p>			
<p><u>"Polylink" polypropylene pipes:</u></p>			
<p>Polypropylene pipes 63mm diameter and over shall be class 12 pipes jointed with cast iron "Supraclamp" running joints</p>			
<p>Fusion welded bends, once or twice mitred as necessary, and tees shall be factory manufactured</p>			
<p>Fusion welded bends and tees shall include jointing to pipes with PVC rubber ring double Z joint couplers</p>			
<p>Branch tees shall include flanged and bolted joints to "Polycop" branch pipes in addition and for brass compression male iron to copper straight couplers</p>			
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CONSTRUCTION OF NEW PRISKA ECD

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

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

Carried to Collection

Section No. 2
BUILDING
Bill No. 12
PLUMBING AND DRAINAGE

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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-syphon 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

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

Carried to Collection

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CONSTRUCTION OF NEW PRISKA ECD

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"

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

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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 manufacturer's instructions including all mastic, tape, "Layflat" sheeting, securing of same, etc

RAINWATER DISPOSAL**0,6mm Galvanised sheet iron with "Chromadek" finish on one side**

1	125 x 100mm Eaves gutters with beaded front edge	m	18
2	Extra over eaves gutter for angle	No	2
3	Extra over eaves gutter for outlet for 100mm diameter pipe	No	2
4	Extra over eaves gutter for stopped end	No	2
5	100mm Diameter rainwater pipes	m	1
6	Extra over rainwater pipe for eaves or plinth offset 450mm projection	No	2
	<u>Rainwater tank, etc.</u>		
7	Rainwater tank 2500l for rainwater harvesting	No	2

FIRE APPLIANCES ETC**'Chubb'**

8	4.5Kg Dry chemical powder fire extinguisher, including standard hard wood backing plugged and backing finished with one coat dark stain and two coats clear suede polyurethane varnish	No	2
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Carried to Collection

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CONSTRUCTION OF NEW PRISKA ECD

9	9kg Dry chemical powder fire extinguisher, including standard hard wood backing plugged and backing finished with one coat dark stain and two coats clear suede polyurethane varnish	No	2
<u>TOILET TANKS</u>			
<u>Plumbing and drainage</u>			
10	Erect toilet tanks and seats, set up and fixed complete as per manufacturers instruction - manufacturer to supply and delivery arrangements	No	6
<u>SUPERVISION OF INSTALLATION OF TOILET TANKS</u>			
<u>The following nominated sub - contractor amounts are for work to be carried out by nominated sub-contractors: Supervision of installation of toilet tanks.</u>			
11	Technical support and technical training by the toilet tanks suppliers to assist/support the contractor in the installation of the toilet tanks and a final inspection to ascertain the tanks has been installed correctly at which time a Certificate of Compliance should be issued between the Client and Toilet tanks suppliers	No	1

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CONSTRUCTION OF NEW PRISKA ECD

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Item No	<u>SECTION NO.2</u>	Quantity	Rate	Amount
	<u>BILL NO.12</u>			
	<u>GLAZING</u>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
	<u>GLAZING TO STEEL WITH PUTTY</u>			
	<u>4mm Clear float glass</u>			
1	Panels not exceeding 0,1 m ²	m ²	13	
2	Panels exceeding 0,1m ² and not exceeding 0,5m ²	m ²	2	
	<u>4mm Rough cast glass</u>			
3	Panels not exceeding 0,1m ²	m ²	7	
	<u>MIRRORS, ETC</u>			
	<u>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</u>			
4	Mirror 400 x 600mm high with four screws	No	1	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2 BUILDING Bill No. 13 GLAZING			

Item No	Quantity	Rate	Amount
<p><u>BILL NO 13</u></p>			
<p><u>STRUCTURAL STEELWORK</u></p>			
<p><u>User note</u></p>			
<p><i>Consideration is to be given in specific applications (eg where "heavy" steel structures such as in industrial plants, towers for mine shafts, etc are dominant) to implement the principles laid down by the "Measurement for Structural Steelwork" as prepared and recommended by the South African Institute of Steel Construction</i></p>			
<p><i>This bill however is based on the Standard System of Measuring Building Work Sixth Edition (Revised)</i></p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p><u>Descriptions</u></p>			
<p>Descriptions of bolts shall be deemed to include nuts and washers</p>			
<p>Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and embedding in concrete</p>			
<p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p>			
<p><u>STEEL COLUMNS AND BEAMS</u></p>			
<p><u>GALVANISED STEEL COLUMNS AND BEAMS</u></p>			
<p><u>User note</u></p>			
<p><i>In the event of there being only a limited number of different heights or lengths of columns or beams, the specific heights or lengths may be given separately or may be suitably grouped together</i></p>			
<p>Carried to Collection</p>			
<p>Section No. 2 BUILDING Bill No. 14 STRUCTURAL STEELWORK</p>			
			R

CONSTRUCTION OF NEW PRISKA ECD

	<u>Welded columns in single lengths with flat base, cap, bearer and connection plates, bolted to concrete</u>		
1	IPE 160 columns in heights exceeding 13m and not exceeding 18m	t	0.61
	<u>Welded beams in single lengths with flat bearer and connection plates, bolted to steel</u>		
2	IPE 160 Rafters	t	0.57
	<u>STEEL PURLINS, GIRTS, BRACING, ETC</u>		
	<u>GALVANISED STEEL PURLINS, GIRTS, BRACING, ETC</u>		
	<u>Purlins and girts, bolted to steel</u>		
3	Thick cold-formed lipped channel purlins	t	0.83
	<u>Welded bracing, anti-sag rails, etc with flat connection plates, bolted to steel</u>		
4	Angle bracing	t	0.23
5	Angle anti-sag rails	t	0.33
	<u>BOLTS, FASTENERS, ETC</u>		
6	2mm Diameter expansion bolt	No	50
	<u>User note</u>		
	<i>Finishing-off painting is to be included in this trade only when the structural steel contractor is required to execute the work</i>		
	<u>PAINTING</u>		
	<u>Touch-up ? primer, one coat ? undercoat to ? micron dry film thickness and one ? finishing coat to ? micron dry film thickness</u>		
7	On structural steel columns, beams, etc	m2	68
8	On steel purlins, girts, etc	m2	112
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	Bill No. 14		
	STRUCTURAL STEELWORK		

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CONSTRUCTION OF NEW PRISKA ECD

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Bill No. 14

STRUCTURAL STEELWORK

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Item No	<u>SECTION NO.2</u>	Quantity	Rate	Amount
	<u>BILL NO.14</u>			
	<u>PAINTWORK</u>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
	<u>PAINTWORK ETC TO NEW WORK</u>			
	<u>ON FLOATED PLASTER</u>			
	<u>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.</u>			
1	On internal walls	m2	228	
	<u>Plascon Polvin Super Acrylic to exterior new cement plaster (NW 105). 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 3 years in a C1 - inland environment.</u>			
2	On external walls	m2	196	
3	On external walls (Tank stands)	m2	11	
4	On plastered soffits	m2	3	
	Carried to Collection			R
	Section No. 2 BUILDING Bill No. 15 PAINTWORK			

ON FIBRE-CEMENT

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.

5	On window sills not exceeding 300 mm girth	m	21
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ON METAL

Plascon Velvagio Satin to interior new mild steel. Surface to be clean and dry. Remove surface contaminants using Metalcare 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 Metalcare 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.

6	On door frames	m2	13
7	On windows with burglar bars	m2	40
8	On gates, grilles, burglar screens, balustrading, etc (both sides measured over the full flat area)	m2	49
9	On rails, bars, pipes, etc not exceeding 300 mm girth	m	6

ON WOOD

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Section No. 2
 BUILDING
 Bill No. 15
 PAINTWORK

CONSTRUCTION OF NEW PRISKA ECD

10	<p><u>Plascon Velvaglo Satin to interior new wood. Surface to be dry, sound and clean. Wash knots and resinous areas with Lacquer Thinners (ILS 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 Wood Primer (UC 2) with an overcoating time of 16 hours and finish with two coats Velvaglo Satin (VLO) with 16 hours drying time between coats, for a maintenance cycle of 7 years in a C1 - inland environment.</u></p>	m2	16
11	<p><u>Plascon Woodcare Clear Varnish to exterior new wood. Surface to be dry, sound and clean. Wash knots and resinous areas with Lacquer Thinners (ILS 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.</u></p>	m2	28
12	<p>On beams and bearers, etc.</p>	m2	7

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Item No		Quantity	Rate	Amount
	<u>SECTION NO.3</u>			
	<u>BILL NO. 1</u>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
	<u>APRONS AROUND BUILDINGS</u>			
	<u>Compaction of surfaces</u>			
1	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	m2	202	
	<u>15 MPa/20 mm concrete</u>			
2	Aprons cast in panels to falls	m3	15	
	<u>Finishing top surfaces of concrete smooth with a wood float</u>			
3	Aprons to falls	m2	112	
	<u>Smooth formwork to sides</u>			
4	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	150	
	<u>REINFORCEMENT (PROVISIONAL)</u>			
	<u>Fabric reinforcement</u>			
5	Steeledale Mesh standard square fabric mesh, nominal mass 1,93 kg/m ² 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.	m	112	
	<u>MOVEMENT JOINTS ETC</u>			
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CONSTRUCTION OF NEW PRISKA ECD

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.

6 10 x 10mm In expansion joints including raking out of expansion joint filler as necessary

m

75

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Item No	Quantity	Rate	Amount
<u>SECTION NO.4</u>			
<u>BILL NO.1</u>			
<u>PROVISIONAL SUMS</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
NOTE: Under no circumstances may any Prime Cost - Provisional Amount, etc be extended at an amount lower than the amount given in the Bill			
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Section No. 4 PROVISIONAL SUMS Bill No. 1 PROVISIONAL SUMS			

CONSTRUCTION OF NEW PRISKA ECD

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

Electrical Installation

- 1 Provide the sum of R350 000,00 (three hundred and fifty thousand rand) for Eskom Connection and Electrical installation
- 2 Allow for profit on above if required
- 3 Allow for giving every facility to Specialists as described

Item

350 000.00

Item

Item

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Section No. 4
 PROVISIONAL SUMS
 Bill No. 1
 PROVISIONAL SUMS

CONSTRUCTION OF NEW PRISKA ECD

<u>Joinery Installation</u>			
4	Provide the sum of R 40 000,00 (forty thousand rand) for joinery installation by specialist. this includes Cupboards to kitchen,Pantry,store,sickbay etc complete with all fittings and accessories.	Item	40 000.00
5	Allow for profit on above if required	Item	
6	Allow for giving every facility to Specialists as described	Item	
<u>Fencing and Gates</u>			
7	Provide the sum of R 250 000,00 (two hundred and fifty thousand rand) for Fencing and gates by Specialists	Item	250 000.00
8	Allow for profit on above if required	Item	
9	Allow for giving every facility to Specialists as described	Item	
<u>Furniture and play Equipment</u>			
10	Provide the sum of R150 000,00 (one hundred and fifty thousand rand) for Furniture and play Equipment by Specialists	Item	150 000.00
11	Allow for profit on above if required	Item	
12	Allow for giving every facility to Specialists as described	Item	
<u>Signage</u>			
13	Provide the sum of R 15 000,00 (fifteen thousand rand) for signage by Specialists	Item	15 000.00
14	Allow for profit on above if required	Item	
15	Allow for giving every facility to Specialists as described	Item	
<u>Community Liaison Officer</u>			
16	Provide the sum of R 60 000,00 (sixty thousand rand) for community liaison officer	Item	60 000.00
17	Allow for profit on above if required	Item	
18	Allow for giving every facility to Specialists as described	Item	
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PROVISIONAL SUMS

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FINAL SUMMARY

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- 2 BUILDING
- 3 EXTERNAL WORKS
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Sub Total 1 - BUILDING COSTS

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CONTINGENCY SUM

Allow the amount of R200 000 (two hundred 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

Item

200 000.00

Sub total BUILDINGS (VAT excl.)

R

Value Added Tax

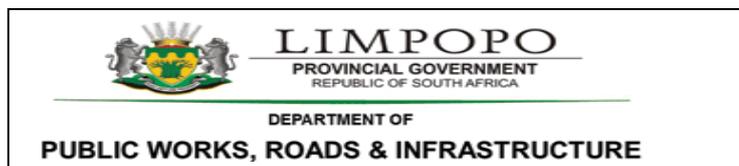
R

Sub Total (VAT INCL.) CARRIED TO TENDER FORM

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PART C3 SCOPE OF WORKS

PART C3.1: SPECIAL NOTES TO BIDDERS

The following special conditions are for compliance and attention to bidders:

- 1.2. LDPWR&I reserve the right to call interviews with short-listed bidders before final selection.
- 1.3. 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.
- 1.4. LDPWR&I reserve the right to appoint the bidder that proves to be fully capable and qualified to handle and execute the job.
- 1.5. The proposals submitted must be in line with the detailed specification.
- 1.6. 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.
- 1.7. In the case of sub-contracting or joint venture agreement, LDPWR&I will enter into a single contract with the principal bidder.
- 1.8. Bidders who are not registered on Central Supplier Database (CSD) must register before submission of bids.
- 1.9. Any completion of the bid document in pencil or erasable ink will not be acceptable and will automatically disqualify the submitted bid.
- 1.10. Successful bidder will be required to sign and enter into a formal contract upon the award.
- 1.11. 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.
- 1.12. Bid documents must be submitted physically to the closing address as reflected on the Request for Quotations.
- 1.13. Quotations received after the closing date and time will not be accepted for consideration.
- 1.14. 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.
- 1.15. 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.
- 1.16. Any reproduction or transmission of information contained in this document except for the sole purpose of responding to this bid is strictly prohibited.
- 1.17. 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.

- 1.18. The client reserves the right not to award more than one project per bidder, should the highest bidder already been awarded a project, the second highest scoring bidder will be considered

- 1.19. Attachments for Specific Goals Points
 - I. Persons who had no franchise in national elections prior to 1983 and 1993- (attach director's certified copy of South African ID &CK as proof)
 - II. Promotion of women owned enterprises- (Attach Director's certified copy of South African ID&CK)
 - III. Disabled persons- (Attach letter/medical certificate from healthcare professional)
 - IV. Promotion of SMMEs- (Attach financial statement as proof for SMME turnover)
 - V. Enterprise located in Limpopo Province- (Attach proof of enterprise address/lease agreement as proof of enterprise residential address)
 - VI. Promotion of Youth- (Attach Director's certified copy of South African ID&CK)
 - VII. South African owned enterprises- (Attach Directors certified copy of South African ID as proof + Company registration documents)



LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE



LIMPOPO

PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

HEALTH & SAFETY SPECIFICATIONS FOR THE CONSTRUCTION OF PRIESKA ECD WITHIN THE BA-PHALABORWA LOCAL MUNICIPALITY, MOPANI DISTRICT IN LIMPOPO PROVINCE.

1. PURPOSE

The objective of the Health and Safety Specifications is to provide a guideline for tenderers in complying with the requirements of the Occupational Health and Safety Act 85 of 1993 (OHS Act) and the relevant regulations, with particular reference to the Construction Regulations 2014.

The Health and Safety Specifications do not replace the OHS Act and relevant regulations, but is a supplementary document to the requirements of relevant legislation and the conditions of the contract agreement between the tenderer/subsequently the Contractor and the employer.

It does not imply that sections of legislation not referred to in full in this document are of less importance and/or not relevant. The tenderer/contractor remains responsible to comply with the Act, regulations in their health and safety plan.

2. SCOPE

This Health and Safety Specification covers construction and associated activities that have the potential to affect, positively or negatively, the health and safety of all persons involved with the above-mentioned project.

As an employer in their own right, it remains the responsibility of the contractor to do what is reasonable and practicable to ensure that they themselves, and other persons who may be affected by their operations, health and safety, are not endangered.

3. APPLICATIONS AND INTERPRETATION

This document is to be read and understood in conjunction with the following, *inter alia*:

- Occupational Health and Safety Act 85 of 1993 (OHS Act).
- All regulations published in terms of the OHS Act.
- Construction Regulations, 2014
- SANS codes referred to by the OHS Act.
- Contract Documents
- Basic Conditions of Employment Act (Act 75 of 1997)
- National Environmental Management Act 107 of 1998 and all Regulations
- Compensation for Occupational Injuries and Diseases Act (COIDA) No. 130 of 1993

4. DESCRIPTION OF WORK

Construction of Two classrooms with kitchen, stores, office and sickbay and four enviroloo seats at Prieska ECD.

5. APPLICATION OF THE CONSTRUCTION REGULATIONS, 2014

The intended construction work falls within the scope of “construction work” as defined in the Construction Regulations, 2014 made under the Occupational Health and Safety Act 1993, as amended (“OHS Act”).

LDPWRI is required to ensure a working environment which, as far as reasonably practicable, is safe and without risk to the health and safety of persons on the site.

The tenderer/Contractor will ensure and demonstrate to LDPWRI that they, and all contractors to be appointed on this construction project, has adequately allowed for the cost of health and safety measures which may be required during the construction work.

5.1. PERMIT TO WORK-where necessary

Where the construction works:

- (i) Exceeds 180 days;
- (ii) Involves more than 1800 person days of construction work; or
- (iii) The works contract is equal to or exceeds R13 Million or Construction Industry Development Board Grading Level 6,

LDPWRI as the client, must at least 30 days prior to construction work apply to the Department of Labour (DoL) for a construction work permit in the form of CR Annexure 1.

5.2. NOTIFICATION OF CONSTRUCTION WORK-where necessary

- The Main Contractor shall notify the local relevant Provincial Director of the Department of Labour, before commencing with construction work, of the intended work in the form of Annexure 2 of the Construction Regulations.
- **A copy of the completed Annexure 2 of the Construction Regulations, as well as proof of notification shall be included in the Health and Safety Plan (Proof of fax or proof of hand delivery is required).**
- A copy of the completed Annexure 2 is to be kept on site by the Main Contractor.

5.3. LEGAL DOCUMENTATION/APPOINTMENTS

The appointed Contractor must develop a health and safety plan based on this health and safety specification and the following documents must be provided in the safety file:

- Health and Safety Policy signed by CEO or statement of commitment to SHE
- Letter of Good Standing with the Compensation Commissioner, or similar insurer.
- Organogram (or table), outlining the company health and safety management structure, as well as the appointment(s) they have under the Occupational Health and Safety Act and its Regulations.
- The competency of each member of the health and safety team must be provided and should include knowledge, training, experience & qualifications specific to the appointment.

5.4. HEALTH AND SAFETY FILE

The Health and Safety file of the Contractor will contain the records and documentation as required by the OHS Act, relevant legislation as well as the health and safety specifications and will be kept as a hard copy on site at all times.

5.5 CONTRACTOR HEALTH AND SAFETY PLANS

The Main Contractor and sub-contractor working on the site must prepare a health and safety plan to address and manage all applicable sources of risk as per items under Section 9 of this specification as well as any other sources of risk which are identified during the contractor's own risk assessment. The Main Contractor shall incorporate these into a single health and safety plan for the execution of the entire contract works as set out in the contract data. Should any further risks be identified in the course of the construction work, such risks must be assessed and addressed in an amended health and safety plan which must then be submitted to LDPWRI for approval.

The health and safety plan must also address the following matters:

- Procedures for compliance with all requirements of the OHS Act and in particular Sections 8 and 9 of the Act.
- Undertaking and procedure to stop any work which endangers the safety or health of any person.
- Systems for recording and reporting of incidents both internal and external to the Department of Labour.
- Copy of the Act and its Regulations to be kept on the site and to be readily available to employees.

- Incident registers to be kept on the site.
- Employment and appointment of any people who are competent and have the necessary knowledge, training, qualifications and experience to perform the required construction work safely and effectively.
- Procedures and arrangements for first aid facilities on the site.
- Procedures and arrangements for prompt reporting of injuries and other losses/incidents.
- Emergency plans to deal effectively with potential site emergencies.
- Use of effective processes for the identification and close out of root causes of incidents and accidents.
- Attendance by all contractors of monthly site health and safety meetings.
- Demonstration by all contractors of their health and safety monitoring and auditing system to ensure compliance with their health and safety, as part of their health and safety plan.

6. APPOINTMENTS

APPOINTMENT	OHS ACT / REGULATION REFERENCE
Section 16.2 appointment	Section 16.2
HSE Representative (if necessary)	Section 17(1)
Incident Investigator	GAR 9(2)
First Aiders	GSR 3(4)
Fire Fighters	ER 9 & CR 29
Risk Assessor	HCS Reg (Incl. Asbestos & Lead); CR 9

The following information must be provided in the health and safety plan:

- Indicate the estimated number of employees to be working on site.
- Indicate the expected number of sub-contractors to be appointed by the Main Contractor.

The following competent persons, **where applicable**, shall be appointed in writing by the Principal Contractor, prior to any work being carried out, and shall adhere to the requirements of the specific sub-regulations.

The competency of each of these appointed competent persons must be provided and should include knowledge, training, experience & qualifications specific to the appointment.

The table below indicates the applicability of the appointments but contractors should by no means be limited to these indications.

APPOINTMENT	OHS ACT / REGULATION REFERENCE
Construction Manager	CR 8 (1)
Assistant Construction Manager	CR 8 (2)
Construction H&S Officer where applicable	CR 8 (5)
Construction Supervisor	CR 8 (7)
Construction Assistant Supervisor	CR 8(8)
Risk assessor	CR 9(1)
Fall Protection Competent Person	CR 10 (1)
Temporary works competent person	CR12 (2)
Excavation Work Supervisor	CR 13 (1)(a)
Demolition Work Competent Person	CR 14 (1)
Competent Person (Use of Explosives for Demolition Work)	CR14(11)
Competent Person (Use of Explosives for Demolition Work)	CR14(11)
Scaffolding Erector/ Team Leader/ Inspector	CR 16 (1)
Suspended platform Competent Person	CR 17(1)
Rope Access Work Competent Person	CR 18 (1)(a)
Material Hoist Competent Person	CR 19(8)(a)
Bulk Mixing Plant Competent Person	CR 20 (1)
Explosive Powered Tools Competent Person	CR 21(2)(b)
Construction Vehicle and Mobile Plant Competent Person	CR23 (1)(d)
Electrical Machinery Competent Person	CR 24 (c)
Stacking and Storage Supervisor	CR 28 (a)
Fire Equipment Inspector	CR 29(h)

No work involving any of the listed appointments may be performed without the knowledge and approval of an appointed competent person.

7. GENERAL DUTIES OF MAIN CONTRACTOR

- The Main Contractor will be responsible for co-operation between all contractors to ensure compliance to the OHS Act and Regulations on site.
- To ensure the above, the Main Contractor must carry out the following and provide proof of such in his health and safety plan:

- Proof that Contractors health and safety plan has been approved, implemented and maintained.
- Proof that Contractors are registered with the Compensation Commissioner or similar insurer.
- A comprehensive & updated list of all contractors on site, also indicating the type of work being done.

8. DESIGNER GENERAL DUTIES

The designer of a structure must comply with CR 6 and in particular ensure that cognizance is taken of ergonomic design principles in order to minimize ergonomic related hazards in all phases of the life cycle of the structure such as maintenance and cleaning after completion and commissioning of the structure.

9. POTENTIAL SOURCES OF RISK

The following potential sources of risk to the health and safety of persons on site have been identified, as per the risk assessment which accompanies this health and safety specification, and must, as a minimum, be appropriately addressed by the Main Contactor's health and safety plan. In addition, the Main Contractor must perform its own activity risk assessments to enable it to take precautions to protect the health and safety of persons on site, to comply with the Main Contractor's obligations under the Act and all Regulations made there under, including the Construction Regulations. All such precautionary measures and procedures must be included in the Principal Contactor's health and safety plan, which must be submitted to the LDPWRI for review and approval and where applicable should include:

- Noise
- Potential presence of asbestos that forms part of the structure (cement fibre)
- Dust - Working at height (fall protection)
- Drilling (Breaking of walls)
- Formwork and support work
- Scaffolding
- Construction vehicles and mobile equipment
- Electrical tools and electrical machinery
- Housekeeping
- Stacking and storage practices

- Fire risks and fire precautions
- Use of jackhammers
- Hot work (steel cutting and welding)
- Portable electrical tools
- Intoxicated persons on site
- Use of ladders
- Working at height
- Impact of construction work upon neighbors and employees working close to construction site

The risk assessment to be included in the health and safety plan must clearly indicate:

- The methodology used to do the risk assessments.
- Breakdown of processes and activities covered.
- Subsequent hazards identified
- Risk calculations (considering consequence, frequency and likelihood).

All risk assessments are to be conducted by a competent person as appointed under paragraph 9 of this document. The plan must include a declaration in this regard or the risk assessment must contain the signature(s) of this appointed persons.

Risk assessments are **to cover safety as well as health hazards and shall include environmental risks.**

10. UNDERGROUND SERVICES

The contractor must be provided with available information about site services and their location, e.g. underground services by responsible personnel

11. SAFE WORK PROCEDURES

11.1 Health and Safety

The following Safe Work Procedures are to form part of the health and safety plan and **must be compiled for all the high risk activities:**

11.1.1. Demolitions and removal of waste

11.1.2. Working at height

11.1.3. Form work

11.1.4. Electrical tools

11.1.5. Waste management

The safe work procedures must address the following elements:

- The work method to be followed to conduct work safely
- Control measures implemented to mitigation & reduce the risks
- Responsibilities of competent persons
- Required personal protective equipment
- Correct equipment/tools/machinery to be used
- Completed Risk Registers
- Completed Risk Assessments

11.2 Environment

11.2.1 Pollution

Any impacts on the environment must be minimized, environmental pollution prevented, efficient use of natural resources and conserving biodiversity during the duration of the contract.

11.2.2 Resource use

Consideration must also be taken for the following:

- Waste minimization
- Energy and water efficiency
- Prevention of water and soil contamination
- Managing oil spillages

12. SAFETY OF PEDESTRIANS

Access to the construction site must be cordoned off as much as possible in all work areas.

All excavations are to be fenced / barricaded to prevent access by public / pedestrians.

Work must be planned in such a manner as to ensure that the minimum amount of trenches are left open after hours or during weekends.

No trenches in which water has accumulated may be left open.

13. REGISTERS

- Examples of the registers listed below must be provided in the health and safety plan.
- All registers must be available at the site offices at all times for inspection.
- The list of registers to be kept is by no means exhaustive and the health and safety plan should list all the registers that are applicable and at what frequency they are going to be maintained.

ACTIVITY	FREQUENCY	FORMAT
Form work / Support work	Daily, prior to any shift	
Excavation work	Daily, prior to any shift, after rain or blasting or after unexpected fall of ground	
Scaffolding	Daily, prior to any shift, after rain or blasting.	
Material hoist	Daily	
Construction vehicles and mobile plant	Daily	
Temporary electrical installation	Weekly	
Stacking	Weekly	
Ablution facilities	Weekly	
Ladders	Weekly	
Incident register in terms of GAR 9	As Required	Annexure 1 WCL 2
Fall protection equipment	Daily	
Portable electrical tools	Weekly	
Suspended platforms	Daily	
Accommodation of traffic	Daily	
Firefighting equipment	Weekly	
Hand tools	Weekly	
Visitor induction	Daily	
Proof of medical surveillance for every construction worker has been done	As Required	Annexure 3 of CR

14. TRAINING

The Health and Safety file shall indicate the following regarding training:

- A copy of the content to be used for Induction training.
- Attendance registers must be included as proof of training provided for:
 - Induction training
 - Safe work procedure training
 - Risk assessment outcome training
- Method of informing visitors and other persons entering the site of hazards prevalent on site.
- Method of providing personal protective equipment to visitors and non-employees.
- Methodology to be used in the issuing and communication of written instructions/safe work procedures.

15. HEALTH AND SAFETY AUDITS AND INSTRUCTION REGISTER

Health and safety audits will be conducted by LDPWRI appointed person at least monthly. All Health and Safety instructions will be given via the Safety Office in writing within 7 days of audits.

The Main Contractor shall be required to sign the instruction to acknowledge any instructions issued and rectify the deviations.

16. GENERAL REQUIREMENTS

16.1. Personal Protective Equipment

The procedures for issuing and control over PPE shall be indicated in the health and safety plan, as well as the enforcement for the wearing thereof.

16.2. Hired Plant

The responsibility for the safe condition and use of all hired plant shall be that of the contractor.

16.3. Signs and notices

The contractor shall erect and maintain on site symbolic safety signage and notices that conform to the SANS requirements. The signage shall include, but not be limited to the following:

- Mandatory signage
- Warning signs

- Information
- Fire safety signs.

16.4. Certificates of fitness

The Main Contractor and the subcontractors shall include in their Health and Safety files all copies of the worker's medical certificates of fitness conducted by a registered Occupational Health Medical/Nursing Practitioner.

16.5. Site Visitors

A site visitor's register is to be kept on site and steps are to be taken to ensure that all visitors sign the visitors' register before entering the site.

An induction must be given to all visitors entering the site and proof thereof must be kept in the health and safety file.

Visitor's PPE must be made available and at the cost of the contractor and signs should also be provided directing all visitors to report to the site office.

16.6 Housekeeping

CR 27 and CR 28 shall be complied with regarding sustained provision of good housekeeping, stacking and storage practices.

Chutes shall be used for waste and debris removal from high places.

The site shall be suitably cordoned off and access controlled.

Catch platforms or nets shall be used where necessary.

16.7 Welfare Facilities

The Contractor will ensure that adequate ablution and changing facilities are made available to the workers.

The Contractor will also designate appropriate hygienic eating facilities/area for the workers.

17. HAZARDOUS CHEMICAL SUBSTANCES

In addition to the requirements in the HCS Regulations, the Main Contractor must provide proof in the health and safety plan that:

- Material Safety Data Sheets (MSDS's) of the relevant materials/hazardous chemical substances are available prior to use by the contractor. Mention

should be made how the Main Contractor is going to act according to special/unique requirements made in the relevant MSDS's. All MSDS's shall be available for inspection by the client at all times.

- Risk assessments must be done for this construction project.
- How the relevant HCS's are being/going to be controlled by referring to:
 - Limiting the amount of HCS
 - Limiting the period of exposure
 - Using appropriate written work procedures
 - The correct PPE is being used.

HCS are stored and transported according to SABS 072 and 0228.

Training with regards to these regulations was given.

The health and safety plan should make reference to the disposal of hazardous waste on classified sites and the location thereof (where applicable).

18. CONSTRUCTION VEHICLES

For the purposes of these specifications a Construction Vehicle means any vehicle used to transport persons, materials, or both on or off of the construction site for the purposes of performing construction work.

The vehicle must be of a suitable design and construction for the type of work anticipated. Operators must receive appropriate training and be in possession of a medical certificate of fitness before making a written appointment to operate the construction vehicle. The construction vehicle must obey all speed limits.

There must be a safe means of access provided for the operator into and out of the operating cab. Provide the cab with suitable protection for the operator against falling materials and the dangers of being crushed should the vehicle overturn. Fit and maintain an electrically operated acoustic signaling device and a reversing alarm in an operational state.

Construction vehicles exposed to normal public traffic must be fully roadworthy.

Vehicles which may be left unattended at night adjacent to a public road must be fitted with appropriate lights or reflectors.

19. NOISE INDUCED HEARING LOSS-(NIHL)

Where noise is identified as a hazard, the requirements of the NIHL regulations must be complied with and the following must be included/ referred to in the health and safety plan:

- Proof of training with regards to these regulations.
- Risk assessment done within 1 month of commencement of work.
- That monitoring carried out by an AIA and done according to SANS 083.
- Medical surveillance programme established and maintained for the necessary employees.

Control of noise by referring to:

- Engineering methods considered
- Admin control (number of employees exposed) considered
- Personal protective equipment considered/decided.

20. FALL PROTECTION

In addition to the requirements of this regulation the following shall apply:

- The fall protection plan **for all work at height** is to be prepared by a competent person. This competent person must sign the fall protection plan.
- Contents of the fall protection plan must cover all the requirements as stated in the sub-regulation.
- The level of supervision is to be stated in the fall protection plan.
- Medical certificates, work near edges, presence of dew, dangerous walking areas etc. should be addressed in the fall protection plan. Inclement weather conditions must be provided for in the fall protection plan.

21. GENERAL

Nothing contained in or omitted from this Health and Safety Specification, or the health and safety plan based on this specification, shall relieve the Main Contractor of any of its obligations or liabilities.

The client shall not be liable for any civil claim because of anything contained in, or omitted from, this Health and Safety Specification.



LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

PART C4 DRAWINGS

Council Notes:

ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS (NBR) & SANS 10400 (PART A TO XA)

A: General
 No part of the proposed building is to encroach beyond the existing site boundaries.
 All work is to be executed in strict accordance with SANS 0400-1990 and all related codes.
 All notes to refer to SANS 10400.
 All structural work including foundations, roof structures, R.C. slabs & stairs to be in strict accordance with engineer's details & specifications.
 All materials used in the building process should be appropriate for the intended occupancy or building classification in accordance with SANS 10400 PART A

B: Structural design
 Material, installation and maintenance all to comply with SANS 10400 B and to be certified by the Structural Engineer.
 All structural expansion joints to Engineers details.

C: Dimensions
 All to comply with SANS 10400 Part C.
 All dimensions and levels are to be checked on site prior to setting out.
 Do not scale, refer only to figure dimensions.

D: Public Safety
 Where necessary, Ramps shall comply with SANS 10400 Part DD3.
 All work is to be in strict accordance with SANS 10400 Part D Public Safety.

E: Demolition Work
 All work is to be in strict accordance with SANS 10400 Part E Demolition Work.

F: Site operations
 All to comply with SANS 10400 Part F and to be certified by the Main Contractor. Property owner(s) to familiarize themselves with SANS 10400 E.

G: Excavations
 All work is to be in strict accordance with SANS 10400 Part G Excavations.

H: Foundations
 All new foundations are to be min 10MPa at 28 days (14.5 coarse aggregate) at min 200mm thick - Refer to Engineers Detail.
 All foundation walls above NGL are to have sub-soil drainage "geo-pipe" (wrapped in "Bidum" cloth with clean sand round) laid next to wall on the upward slope, to drain any possible water build up.
 All new work is to be in strict accordance with SANS 10400 Part H Foundations.
 All new foundation walls to be in strict accordance with SANS 10400 Part K9 Foundation Walls.

Windows and Doors:
 Pre-cast reinforced concrete lintels are to be built into blockwork above all openings unless otherwise specified by engineer.
 Lintels over all openings (max. 3m opening) with 2 course blockwork with brick force above lintel and Continuous ring beam with Y reinforcing - As per Engineers Detail.
 All glazing is to be 6mm safety glazing unless otherwise specified.
 All glazing is to be in strict accordance with SANS 10400 Part H Glazing.

O: Lighting and Ventilation
 All work is to be in strict accordance with SANS 10400 Part O Lighting and Ventilation.

P: Drainage
 All sewer pipes under floor slabs and driveways to be encased with min. 100mm mass concrete.
 All waste fittings to have deep seal traps.
 All sewer pipes to be 110mm and 160mm diameter pvc of min. fall of 1:60.
 All waste pipes to enter stacks separately.

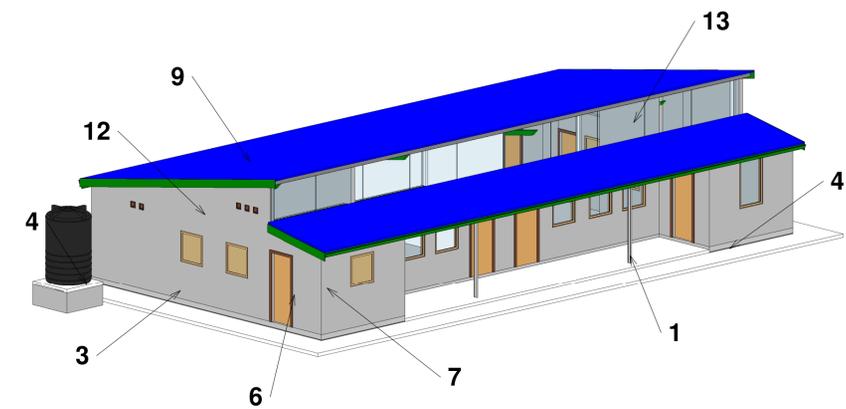
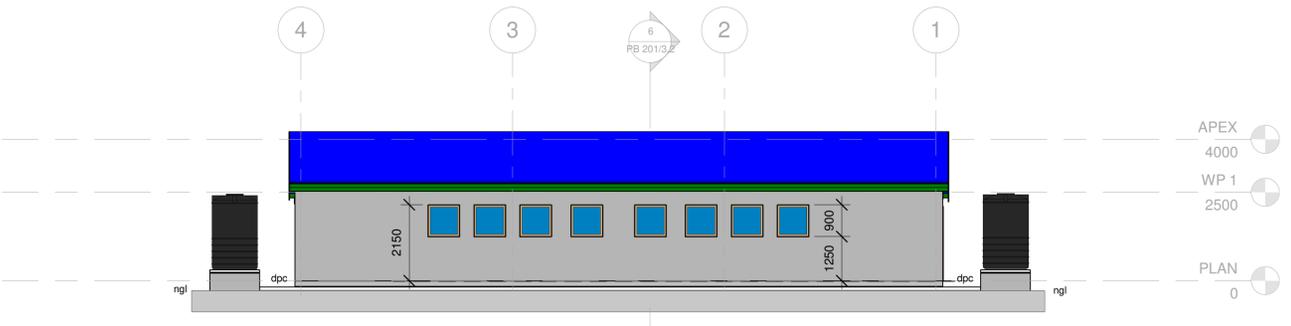
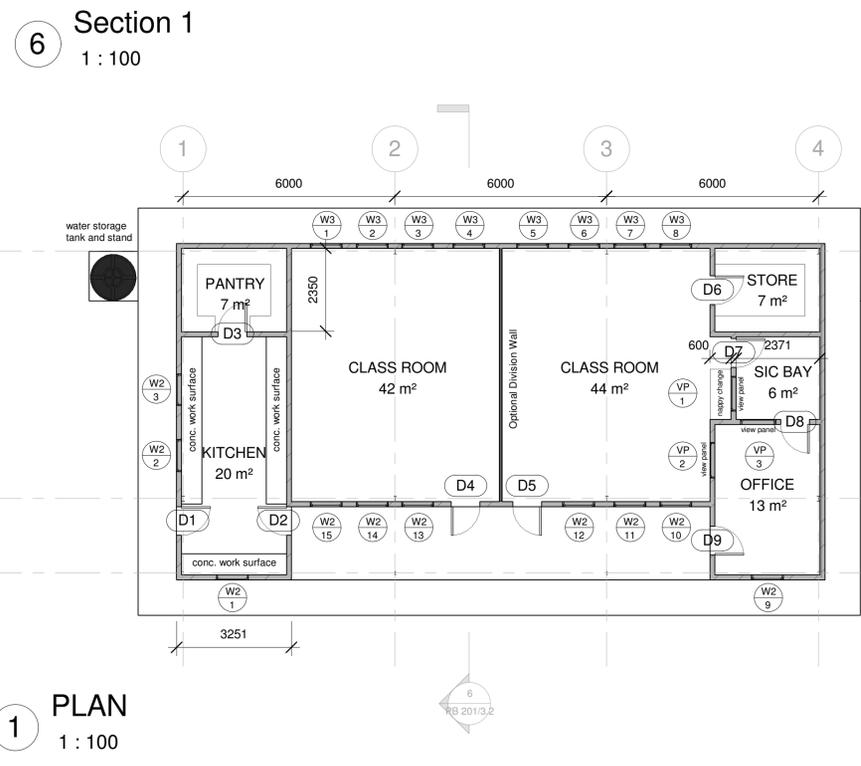
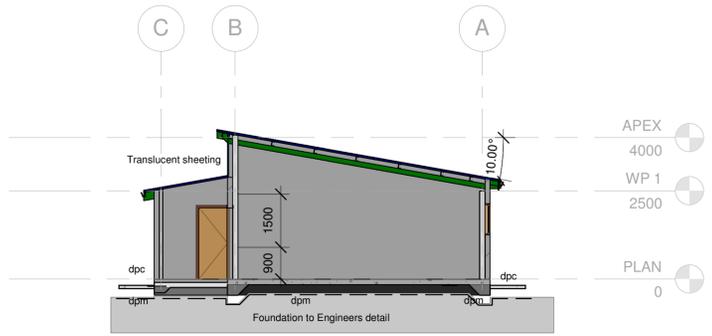
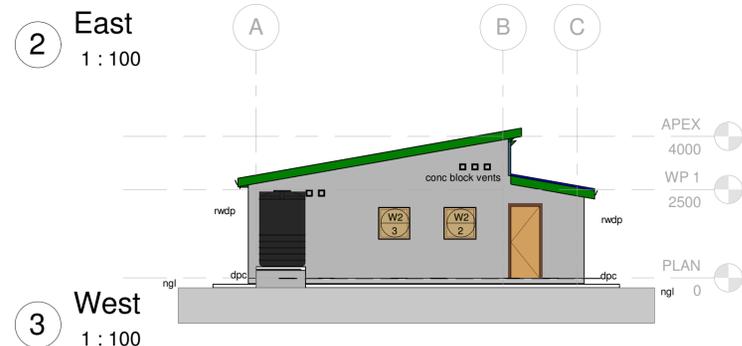
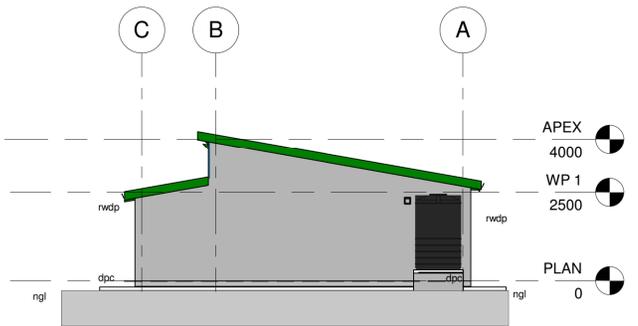
All plumbing materials to carry the relevant SABS mark.
 Provide dual flush system to toilets and low flow shower heads.
 Seamless aluminium gutter gullies with round downpipes to match colour of roof, and piped to storage tanks where applicable.
 Septic tank as per drawings.

R: Stormwater
 All work is to be in strict accordance with SANS 10400 Part R Stormwater Disposal.

T: Fire Protection and Installation
 All work is to be in strict accordance with SANS 10400 Part T Fire Protection.
 All work is to be in strict accordance with SANS 10400 Part W Fire Installation.

V: Space heating
 Where applicable to comply with SANS 10400 Part V.

W: Fire Installation
 Where applicable to comply with SANS 10400 Part W.



7 Kitchen 3D



8 Porch 3D

DRAFT 3
7x6 Grid Line Change

TYPE PB	
2 Class Room	
Project number	DHS
Date	30.10.2019
Drawn by	Rosco
Revision No:	7x6m Grid Module
PB 201/3.2	
Scale	1 : 100