



**CLUSTER 1**

**BID NUMBER: LDPWRI- B/20388**

**APPOINTMENT OF CONTRACTOR FOR REPAIRS AND MAINTENANCE OF EARLY CHILDHOOD DEVELOPMENT CENTRES THREE (3) MAHLODI CRECHE, EMPILWENI CRECHE AND KHUTSANG CRECHE IN SEKHUKHUNE DISTRICT AND ONE (1) MAFEFE CENTRAL CRECHE IN CAPRICORN 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](mailto:motsopyen@dpw.limpopo.gov.za)

**Contact Person: Technical Queries**

Name : Mr. MJ Masiya  
Tel No. : 015 284 7257  
Email : [Cngita@gmail.com](mailto:Cngita@gmail.com)

**Name of the Bidder:.....**

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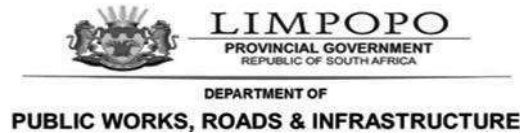
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# **PART T1: TENDERING PROCEDURE**



## 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 REPAIRS AND MAINTENANCE OF EARLY CHILDHOOD DEVELOPMENT CENTRES THREE (3) MAHLODI CRECHE, EMPILWENI CRECHE AND KHUTSANG CRECHE IN SEKHUKHUNE DISTRICT AND ONE (1) MAFEFE CENTRAL CRECHE IN CAPRICORN DISTRICT FOR THE LIMPOPO DEPARTMENT OF EDUCATION for a period of 3 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

<b>Project Name</b>	<b>REPAIRS AND MAINTENANCE OF EARLY CHILDHOOD DEVELOPMENT CENTRES THREE (3) MAHLODI CRECHE, EMPILWENI CRECHE AND KHUTSANG CRECHE IN SEKHUKHUNE DISTRICT AND ONE (1) MAFEFE CENTRAL CRECHE IN CAPRICORN DISTRICT FOR THE LIMPOPO DEPARTMENT OF EDUCATION</b> for a period of 3 months.	
<b>Tender Number</b>	<b>LDPWRI- B/20388</b>	
<b>Tender documents availability</b>	Limpopo Department of Public Works, Roads and Infrastructure website	
<b>Address for submission of tenders</b>	DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE. Physical address: Corner River and Blaauwberg Streets, Ladanna, 0699.	
<b>Closing date of the tender</b>	<b>As per Tender invite</b>	
<b>Closing time of the tender</b>	<b>As per Tender invite</b>	
<b>Compulsory briefing meeting</b> ( <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 type="checkbox"/> No <input checked="" type="checkbox"/>	
	Meeting venue	<b>As per Tender invite</b>
	Date	<b>As per Tender invite</b>
	Time:	<b>As per Tender invite</b>
<b>Evaluation criteria</b>	<ol style="list-style-type: none"> <li>1. Compliance with mandatory or compulsory requirements</li> <li>2. Risk assessment on current projects</li> <li>3. Price</li> <li>4. Preference</li> </ol>	
<b>Mandatory or Compulsory Requirements</b> ( <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 <b>3 GB</b> or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations are eligible to have their tenders evaluated	
	Completed and signed Form of Offer	



## T1.2 Tender Data

Clause number	Tender Data
	<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 <a href="http://www.cidb.org.za">www.cidb.org.za</a>) 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 <b>No. 36190 of 25 February 2013</b>. In this case, contractor shall provide a <b>minimum Contract Participation Goal (CPG) of 5%</b> 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><b>The Tender</b>  <b>Part T1: Tendering procedures</b>          T1.1 Tender notice and invitation to tender          T1.2 Tender data</p> <p><b>Part T2: Returnable documents</b>          T2.1 List of returnable documents          T2.2 Returnable schedules</p> <p><b>The Contract Part C1: Agreements and contract data</b>          C1.1 Form of offer and acceptance          C1.2 Contract data          C1.3 Joint Venture Agreement (If Applicable)</p> <p><b>The Contract Part C2: Pricing data</b>          C2.1 Pricing instructions          C2.2 Bills of Quantities</p> <p><b>Part 3: Scope of work</b>          C3.1 Special Notes to Bidders</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	<p>The employer reserve to cancel the tender prior to the award of the tender.</p>
C1.6.2	<p>A competitive negotiation procedure will not be followed.</p>
C1.6.3	<p>A two-stage system will not be followed.</p>
C.2.1	<p><b>Eligibility in respect of CIDB grading</b></p> <p>Only tenderers who are appointed on framework agreement category A and registered with the Construction Industry Development Board (CIDB) with designation of <b>3GB</b> 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><b>Cost of tendering</b></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><b>Compulsory site briefing</b></p> <p>A compulsory briefing meeting will be held <b>as per Tender invite</b></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>

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C.2.11	<p><b>Alterations to the documents</b></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><b>Alternative tender offer</b></p> <p>No alternative tender offer is permitted in this tender.</p>
C.2.13.2	<p><b>Replace sub-clause C.2.13.2 with the following;</b>        Return all returnable documents to the employer after completing them in their entirety by writing in <b>non-erasable black ink</b></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><b>Location of tender box: DEPARTMENT OF PUBLIC WORKS, ROADS &amp; INFRASTRUCTURE.</b>  <b>Physical address: Corner River and Blaauwberg Streets, Ladanna, 0699</b>  <b>Identification details:</b> Sealed Tender with Tender reference number, Title of Tender and the closing date and time of the tender.</p>
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 <b>12 weeks or 90 days.</b>
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"> <li>- Persons who had no franchise in national elections prior to 1983 and 1993</li> <li>- Promotion of women owned enterprises</li> <li>- Disabled persons</li> <li>- Promotion of SMMEs</li> <li>- Enterprise located in Limpopo Province</li> <li>- Promotion of youth</li> <li>- South African owned enterprises</li> </ul>

	<p><b>CIDB Grading Certificate</b></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><b>Letter of Good Standing</b></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	<p>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.</p>
C.3.2.1	<p>Tenders will <b>not</b> be opened immediately after the closing time for tenders.</p>
C.3.2.2	<p>The tenderers will be evaluated in four stages</p> <ul style="list-style-type: none"> <li>(i) Stage 1: Compliance with mandatory requirements as stated in Part T1.1</li> <li>(ii) Stage 2: Risk assessment on current projects</li> <li>(iii) Stage 3: Price</li> <li>(iv) Stage 4: Preference</li> </ul> <p>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&amp;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.</p> <p>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.</p> <p>The total value of current projects for a contractor under consideration cannot exceed the twice the maximum value of their relevant CIDB grade.<sup>1</sup></p>
	<ul style="list-style-type: none"> <li>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.</li> <li>b) Stage 2: Risk assessment on current projects</li> </ul> <p>The total value of current projects for a contractor under consideration cannot exceed the twice the maximum value of their relevant CIDB grade.</p>



**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.

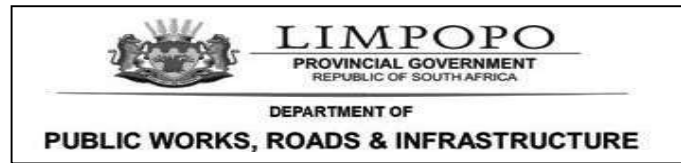
P is the points awarded to the bid under consideration

$P_m$  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

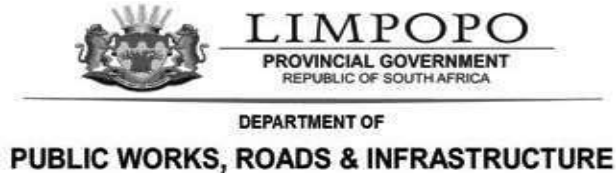
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## **PART T2: RETURNABLE DOCUMENTS**

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## **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 who appears on National Treasury's list of black listed entities.

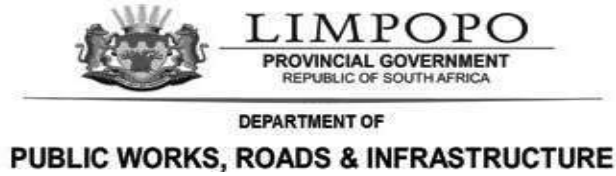
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**T 2.2: RETURNABLE SCHEDULE**

	<b>Document Name</b>	<b>Returnable document</b>
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

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## 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.		

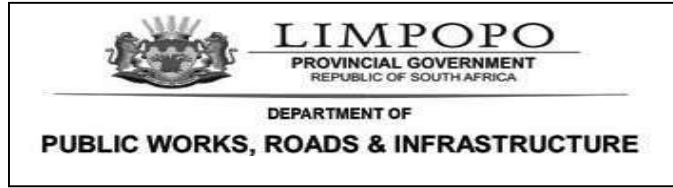
Attach additional pages if more space is required.

Signed \_\_\_\_\_ Date \_\_\_\_\_

Name \_\_\_\_\_ Position \_\_\_\_\_

Tenderer \_\_\_\_\_

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### 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.

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**SBD 1**

**PART A: INVITATION TO BID**

<b>YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE LIMPOPO DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE</b>					
<b>BID NUMBER:</b>	LDPWRI-B/20388	<b>CLOSING DATE</b>	As per Tender Advert	<b>CLOSING TIME:</b>	11:00am
<b>DESCRIPTION</b>	REPAIRS AND MAINTENANCE OF EARLY CHILDHOOD DEVELOPMENT CENTRES THREE (3) MAHLODI CRECHE, EMPILWENI CRECHE AND KHUTSANG CRECHE IN SEKHUKHUNE DISTRICT AND ONE (1) MAFEFE CENTRAL CRECHE IN CAPRICORN DISTRICT FOR THE LIMPOPO DEPARTMENT OF EDUCATION				
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.					
<b>BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO</b>					
<b>CONTACT PERSON</b>	Mr. NJ Motsopye				
<b>TELEPHONE NUMBER</b>	0152847126	<b>E-MAIL ADDRESS</b>	motsopyen@dpw.limpopo.gov.za		
<b>CONTACT PERSON (TECHNICAL)</b>	Mr. MJ Masiya/Mr CE Setati				
<b>TELEPHONE NUMBER</b>	015 284 7219	<b>E-MAIL ADDRESS</b>	Cngita@gmail.com		
<b>SUPPLIER INFORMATION</b>					
<b>NAME OF BIDDER</b>					
<b>POSTAL ADDRESS</b>					
<b>STREET ADDRESS</b>					
<b>TELEPHONE NUMBER</b>	<b>CODE</b>		<b>NUMBER</b>		
<b>CELLPHONE NUMBER</b>					
<b>E-MAIL ADDRESS</b>					
<b>VAT REGISTRATION NUMBER</b>					
<b>SUPPLIER COMPLIANCE STATUS</b>	TAX COMPLIANCE SYSTEM PIN:		<b>OR</b>	CENTRAL SUPPLIER DATABASE No:	MAAA
<b>ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]		<b>ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]	
<b>QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS</b>					
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



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IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?  YES  NO

**IF THE ANSWER IS “NO” TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 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.**

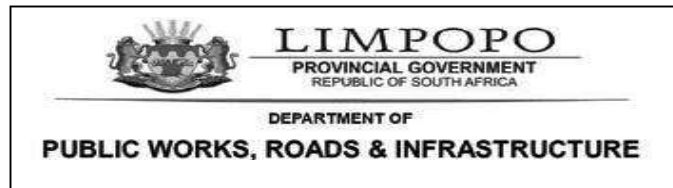
SIGNATURE OF BIDDER: .....

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

DATE: .....

**CLUSTER 1**

**REPAIRS AND MAINTENANCE OF EARLY CHILDHOOD DEVELOPMENT CENTRES THREE (3) MAHLODI CRECHE, EMPILWENI CRECHE AND KHUTSANG CRECHE IN SEKHUKHUNE DISTRICT AND ONE (1) MAFEFE CENTRAL CRECHE IN CAPRICORN DISTRICT FOR THE LIMPOPO DEPARTMENT OF EDUCATION  
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**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:

	<b>POINTS</b>
<b>PRICE</b>	<b>80</b>
<b>SPECIFIC GOALS</b>	<b>20</b>
<b>Total points for Price and SPECIFIC GOALS</b>	<b>100</b>

- 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).

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**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:

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

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:

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

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmax = Price of highest acceptable tender

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REPAIRS AND MAINTENANCE OF EARLY CHILDHOOD DEVELOPMENT CENTRES THREE (3) MAHLODI CRECHE, EMPILWENI CRECHE AND KHUTSANG CRECHE IN SEKHUKHUNE DISTRICT AND ONE (1) MAFEFE CENTRAL CRECHE IN CAPRICORN DISTRICT FOR THE LIMPOPO DEPARTMENT OF EDUCATION  
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#### 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.

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**REPAIRS AND MAINTENANCE OF EARLY CHILDHOOD DEVELOPMENT CENTRES THREE (3) MAHLODI CRECHE, EMPILWENI CRECHE AND KHUTSANG CRECHE IN SEKHUKHUNE DISTRICT AND ONE (1) MAFEFE CENTRAL CRECHE IN CAPRICORN DISTRICT FOR THE LIMPOPO DEPARTMENT OF EDUCATION  
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**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 allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (90/10 system) (To be completed by the tenderer)	Number of points claimed (80/20 system) (To be completed by the tenderer)
Persons who had no franchise in national elections prior to 1983 and 1993	-	6	-	
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	-	

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**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

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been applied; and

- (e) forward the matter for criminal prosecution, if deemed necessary.

.....  
**SIGNATURE(S) OF TENDERER(S)**

**SURNAME AND NAME:** .....

**DATE:** .....

**ADDRESS:** .....

.....

.....

.....



**CLUSTER 1**

**REPAIRS AND MAINTENANCE OF EARLY CHILDHOOD DEVELOPMENT CENTRES THREE (3) MAHLODI CRECHE, EMPILWENI CRECHE AND KHUTSANG CRECHE IN SEKHUKHUNE DISTRICT AND ONE (1) MAFEFE CENTRAL CRECHE IN CAPRICORN DISTRICT FOR THE LIMPOPO DEPARTMENT OF EDUCATION  
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**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.

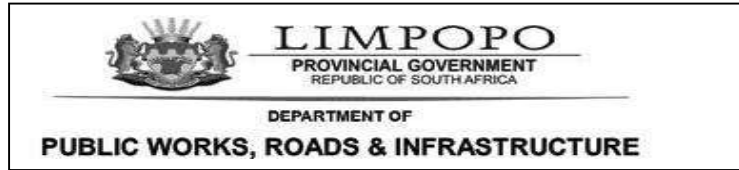
*If no projects at the moment the tender must indicate/write on this table*

**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.

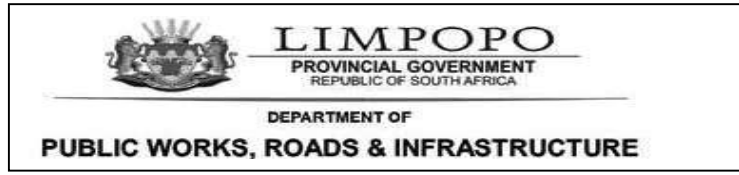
Project Description	Project Value	Start date	Planned end date	Client Name	Contact Person number





# THE CONTRACT

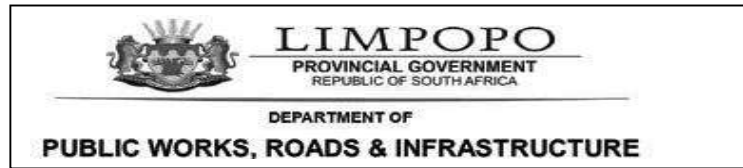




## **PART C1: AGREEMENT AND CONTRACT DATA**

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**CLUSTER 1  
 REPAIRS AND MAINTENANCE OF EARLY CHILDHOOD DEVELOPMENT CENTRES THREE (3) MAHLODI  
 CRECHE, EMPILWENI CRECHE AND KHUTSANG CRECHE IN SEKHUKHUNE DISTRICT AND ONE (1) MAFEFE  
 CENTRAL CRECHE IN CAPRICORN DISTRICT FOR THE LIMPOPO DEPARTMENT OF EDUCATION  
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**C1.1. FORM OF OFFER AND ACCEPTANCE**

**Offer**

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

**REPAIRS AND MAINTENANCE OF EARLY CHILDHOOD DEVELOPMENT CENTRES THREE (3) MAHLODI CRECHE, EMPILWENI CRECHE AND KHUTSANG CRECHE IN SEKHUKHUNE DISTRICT AND ONE (1) MAFEFE CENTRAL CRECHE IN CAPRICORN DISTRICT FOR THE LIMPOPO DEPARTMENT OF EDUCATION**

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 .....

.....

.....

.....

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3 Subject .....

    Details .....

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.....

.....

4 Subject .....

    Details .....

.....

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.....

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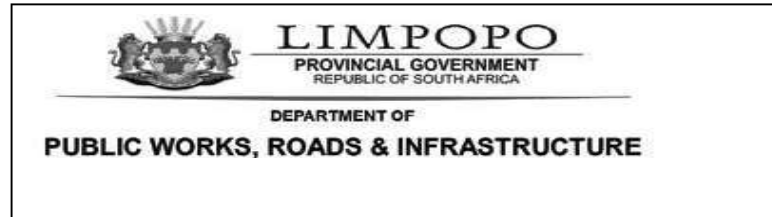
By the duly authorised representatives signing this agreement, the *Employer* and the Tenderer agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the Tender Data and addenda thereto as listed in the returnable schedules, as well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

.....



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MAFEFE CENTRAL CRECHE IN CAPRICORN DISTRICT FOR THE LIMPOPO DEPARTMENT OF  
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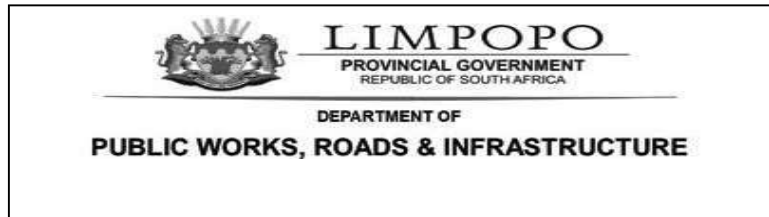
## C2.1 CONTRACT DATA

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.**"

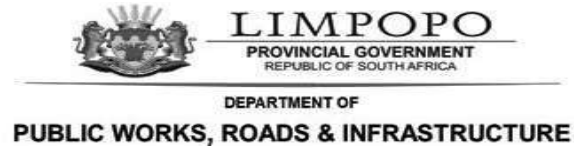


## PART C2: PRICING DATA

### 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).

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MAFEFE CENTRAL CRECHE IN CAPRICORN DISTRICT FOR THE LIMPOPO DEPARTMENT OF  
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## **PART C2.2: BILLS OF QUANTITIES**

**MAHLODI CRECHE**

Item No	Quantity	Rate	Amount
<b><u>SECTION NO 1</u></b>			
<b><u>BILL NO. 1</u></b>			
<b><u>PRELIMINARIES</u></b>			
<b><u>PRELIMINARIES</u></b>			
All prices/rates to be net, excluding Value Added Tax			
<b><u>General</u></b>			
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 abovementioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary			
v) Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable")			
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			
<b>Carried to Collection</b>			R
Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES & GENERAL			

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**

**Carried to Collection**

Section No. 1  
PRELIMINARIES  
Bill No. 1  
PRELIMINARIES & GENERAL

R

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

Value Related

Item

Time Related

Item

**Objective and Preparation (A2 - A14)**

2 Offer, acceptance and performance (clause 2)

Fixed

Item

Value Related

Item

Time Related

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3	Documents (clause 3)		
	Clause 3.2.1 is amended by replacing "14.1" with "14.0"		
	Clause 3.7 is amended by the addition of the following:  <b>The contractor</b> shall supply and keep a copy of the JBCC Series 2000 Principal Building Agreement and Preliminaries applicable to this contract <b>on the site</b> , to which <b>the employer, principal agent and agents</b> shall have access at all times.  Clause 3.10 is amended by replacing the second reference to " <b>principal agent</b> " with the word " <b>employer</b> "	Fixed Value Related Time Related	Item Item Item
4	Design responsibility (clause 4)		
		Fixed Value Related Time Related	Item Item Item
5	Employer's agents (clause 5)		
		Fixed Value Related Time Related	Item Item Item
6	Contractor's site representative (clause 6)		
		Fixed Value Related Time Related	Item Item Item

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7 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

Value Related

Item

Time Related

Item

8 Works risk (clause 8)

Fixed

Item

Value Related

Item

Time Related

Item

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9 Indemnities (clause 9)

Clause 9.0 is amended by adding Clause 9.1.4:

The **contractor** indemnifies and holds harmless the **employer** against all liability, losses, 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 installments or otherwise shall be included by the **contractor** in the price and shall be paid by him to those to whom they may be payable. The **contractor** shall reimburse the **employer** for all legal and other costs and expenses, including without limitation attorney's fees on attorney-client scale incurred by the **employer** in connection with investigation, defending or settling any Losses in connection with pending or threatening litigation in which the **employer** is a party.

Fixed

Item

Value Related

Item

Time Related

Item

10 Works insurances (clause 10)

Clause 10.0 is amended by the addition of the following clauses

**10.5 Damage to the Works**

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

Value Related

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

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**Execution (A15 - A23)**

15 Preparation for and execution of the works (clause 15)

Clause 15.1.1 is amended by replacing it with:

No clause

Clause 15.1.2 is amended by replacing it with:

The **security** selected in terms of 14.0

Clause 15.1 is amended by the addition of the following clause:

15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993) or latest edition, revision and amendments, within twenty-one (21) **calendar days of commencement date**

Clause 15.2.1 is amended by replacing it with the following clause:

Give the **contractor** possession of the **site** within ten (10) **working days** of the **contractor** complying with the terms of 15.1

Fixed

Item

Value Related

Item

Time Related

Item

16 Access to the works (clause 16)

Fixed

Item

Value Related

Item

Time Related

Item

17 Contract instructions (clause 17)

Fixed

Item

Value Related

Item

Time Related

Item

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18	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
		Value Related	Item
		Time Related	Item
19	Assignment (clause 19)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
20	Nominated sub-contractors (clause 20)		
	Clause 20.0		
	Clause 20.1.3 is amended by replacing it with the following:		
	No Clause		
		Fixed	Item
		Value Related	Item
		Time Related	Item
21	Selected sub-contractors (clause 21)		
		Fixed	Item

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

Value Related

Item

Time Related

Item

30 Penalty for non-completion (clause 30)

Clause 30 is amended by replacing reference to 36.3 at end of sentence with 36.0

Fixed

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		Value Related	Item	
		Time Related	Item	
		<b><u>Payment (A31 - A35)</u></b>		
31	Interim payment to the contractor (clause 31)			
	Clause 31.9 is amended by replacing "seven (7) <b>calender</b> days" with "thirty (30) <b>calender</b> days" and by deleting the words "subject to the <b>contractor</b> giving the <b>employer</b> a tax invoice for the amount due			
	Clause 31.12 is amended by deleting the following			
	Payment shall be subject to the <b>employer</b> giving the <b>contractor</b> a tax invoice for the amount due			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
32	Adjustment to the contract value (clause 32)			
	Clause 32.0			
	Clauses 32.5.1, 32.5.4 and 32.5.7 are amended by the addition of the following at the end of the sentence:			
	"due to no fault of the <b>contractor</b> "			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
33	Recovery of expense and loss (clause 33)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
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34	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) <b>calendar days</b> " with "thirty (30) <b>calendar days</b> " and deleting the words "subject to the <b>employer</b> giving the <b>contractor</b> a tax invoice for the amount due"			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
35	Payment to other parties (clause 35)			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		

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**Cancellation (A36-A39)**

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

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

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

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

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

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

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

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

Fixed

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Value Related

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Time Related

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

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

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

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

Fixed

Item

Value Related

Item

Time Related

Item

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

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

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

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

Fixed

Item

Value Related

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39	<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) <b>working days</b> of completion of such report"</p>			
	Fixed			Item
	Value Related			Item
	Time Related			Item

**Dispute Settlement (A40)**

40	<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: No clause</p> <p>Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following: Whether or not mediation resolves the dispute, the parties shall bear their own cost concerning the mediation and equally share the costs of the mediator and related costs.</p>			
	Fixed			Item
	Value Related			Item
	Time Related			Item

**State Provision (A41)**

41	<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: 40.1 Should any dispute between the <b>employer</b>, his <b>agents</b> or <b>principal agent</b> 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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	Time Related	Item

**Contract Variables (A41)**

42 The Schedule (clause 42)

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

	Fixed	Item
	Value Related	Item
	Time Related	Item

**SECTION B: PRELIMINARIES**

**Definition and interpretation (B1)**

43 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
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	Time Related	Item

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<b>Documents (B2)</b>				
44	<p>Checking of documents (B2.1)</p> <p><b>These bills of quantities:</b></p> <p>(1) <i>contain pages and annexes as indexed, and;</i></p> <p>(2) <i>are in multiple procurement format, i.e. all trades are fully measured with minor budgetary allowances</i></p> <p><i>Items in these bills of quantities are to be read and priced in conjunction with and the descriptions regarded as amplified by the Model Preambles for Trades, 2008 edition, as recommended and published by the Association of South African Quantity Surveyors and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained</i></p>	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
45	Provisional bills of quantities (B2.2)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
46	<p>Availability of construction documentation (B2.3)</p> <p><i>The minor budgetary allowances included in this document will be separately procured, based on multiple procurement of selected sub-contractors during the construction period</i></p>	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
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47	Interests of agents (B2.4)	Fixed	Item
		Value Related	Item
		Time Related	Item
48	Priced documents (B2.5)	Fixed	Item
		Value Related	Item
		Time Related	Item
49	Tender submission (B2.6)		
	<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
		Value Related	Item
		Time Related	Item
	<b><u>The site (B3)</u></b>		
50	Defined works area (B3.1)	Fixed	Item
		Value Related	Item
		Time Related	Item
51	Geotechnical investigation (B3.2)	Fixed	Item
		Value Related	Item
		Time Related	Item

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52	<p>Inspection of the site (B3.3)</p> <p><b><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></b></p> <p><b><i>No claims for extras arising from the contractor having failed to comply with this clause will be entertained</i></b></p>	Fixed	Item
		Value Related	Item
		Time Related	Item
53	Existing premises occupied (B3.4)	Fixed	Item
		Value Related	Item
		Time Related	Item
54	<p>Previous work - dimensional accuracy (B3.5)</p> <p><b><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></b></p>	Fixed	Item
		Value Related	Item
		Time Related	Item
55	Previous work - defects (B3.6)	Fixed	Item
		Value Related	Item
		Time Related	Item

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56	Services - known (B3.7)	Fixed	Item
		Value Related	Item
		Time Related	Item
57	Services - unknown (B3.8)	Fixed	Item
		Value Related	Item
		Time Related	Item
58	Protection of trees, etc (B3.9)	Fixed	Item
		Value Related	Item
		Time Related	Item
59	Articles of value (B3.10)	Fixed	Item
		Value Related	Item
		Time Related	Item
60	Inspection of adjoining properties, etc (B3.11)	Fixed	Item
		Value Related	Item
		Time Related	Item
<b><u>Management of contract (B4)</u></b>			
61	Management of the works (B4.1)	Fixed	Item
		Value Related	Item

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	Time Related	Item
62	<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"> <li>1. Shall be prepared and drawn up to comply in all respects with the requirements of this Agreement.</li> <li>2. shall be drawn up using logic developed during the tender period and complies with the planning requirements of the Client.</li> <li>3. shall be in accordance with the dates given herein for possession and practical completion; and</li> <li>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.</li> <li>5. shall be accompanied by a full written method statement</li> </ol> <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: center;"><b>Carried to Collection</b></p> <p>Section No. 1          PRELIMINARIES          Bill No. 1          PRELIMINARIES &amp; GENERAL</p>	<p style="text-align: center;">R</p>

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

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		Value Related	Item	
		Time Related	Item	
67	Workmanship samples (B5.2)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
68	Shop drawings (B5.3)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
69	Compliance with manufacturer's instructions (B5.4)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b><u>Temporary works and plant (B6)</u></b>			
70	Deposits and fees (B6.1)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
71	Enclosure of the works (B6.2)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
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72	Advertising (B6.3)	Fixed	Item
		Value Related	Item
		Time Related	Item
73	Plant, equipment, sheds and offices (B6.4)	Fixed	Item
		Value Related	Item
		Time Related	Item
74	Main notice board (B6.5)	Fixed	Item
		Value Related	Item
		Time Related	Item
75	Subcontractors notice board (B6.6)	Fixed	Item
		Value Related	Item
		Time Related	Item
<b><u>Temporary services (B7)</u></b>			
76	Location (B7.1)	Fixed	Item
		Value Related	Item
		Time Related	Item
77	Water (B7.2)	Fixed	Item
		Value Related	Item

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		Time Related	Item	
78	Electricity (B7.3)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
79	Telecommunication facilities (B7.4)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
80	Ablution facilities (B7.5)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b><u>Prime cost amounts (B8)</u></b>			
81	Responsibility for prime cost amounts (B8.1)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b><u>Attendance on nominated and selected subcontractors (B9)</u></b>			
82	General attendance (B9.1)			
	The schedule rates providing for attendance on <b>nominated subcontractors</b> and other <b>contractors</b> , will be adjusted only if the scope of the work has changed			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
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83	Special attendance (B9.2)			
		Fixed	Item	
		Value Related	Item	
84	Commissioning - Fuel, water and electricity (B9.3)			
			Time Related	Item
			Fixed	Item
85	Statutory taxes, duties and levies (B10.1)			
			Value Related	Item
			Time Related	Item
<b>Financial aspects (B10)</b>				
86	Payment of preliminaries (B10.2)			
			Fixed	Item
			Value Related	Item
87	Adjustment of preliminaries (B10.3)			
			Time Related	Item
			Fixed	Item
		Value Related	Item	

*Provision is made in the summary of these bills of quantities for the inclusion of Value Added Tax (VAT)*

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		Time Related	Item		
88	Payment certificate cash flow (B10.4)				
		Fixed	Item		
		Value Related	Item		
		Time Related	Item		
	<b><u>General (B11)</u></b>				
89	Protection of works (B11.1)				
		Fixed	Item		
		Value Related	Item		
		Time Related	Item		
90	Protection/isolation of existing/sectionally occupied works(B11.2)				
		Fixed	Item		
		Value Related	Item		
		Time Related	Item		
91	Site security (B11.3)				
		Fixed	Item		
		Value Related	Item		
		Time Related	Item		
92	Notice before covering work (B11.4)				
		Fixed	Item		
		Value Related	Item		
		Time Related	Item		
93	Disturbance (B11.5)				
		Fixed	Item		
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		Value Related	Item
		Time Related	Item
94	Enviromental disturbance (B11.6)		
		Fixed	Item
		Time Related	Item
95	Works cleaning and clearing (B11.7)		
		Value Related	Item
		Fixed	Item
		Value Related	Item
		Time Related	Item
96	Vermin (B11.8)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
97	Overhand work (B11.9)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
98	Instruction manuals and guarantees (B11.10)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
99	As built information (B11.11)		
		Fixed	Item

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		Value Related	Item	
		Time Related	Item	
100	Tenant installations (B11.12)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b><u>Schedule of variables (B12)</u></b>			
101	Pre-tender information (B12.1)			
	This <b>schedule</b> 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 <b>Preliminaries</b> .			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b>12.1.1 Provisional bills of quantities (B12.1.1)</b>			
	The quantities are provisional:			
		<b>Yes</b>		
	<b>12.1.2 Availability of construction documentation (B12.1.2)</b>			
	Construction documentation is complete:			
		<b>Yes</b>		
	<b>12.1.3 Interest of agents (B12.1.3)</b>			
		<b>No</b>		
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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:  
The contractor shall execute the works with as little noise and disturbance as possible

12.1.6 **Existing premises occupied**

[3.4] Specific requirements:  
The contractor shall execute the works with as little noise and disturbance as possible

12.1.7 Previous work - Dimensional accuracy (B12.1.7)

[3.5] Details:  
No additional details

**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*

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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

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.

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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

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

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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:**

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

102 Post-tender information (B12.2)

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

Fixed

Item

Value Related

Item

Time Related

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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

12.2.3 **Additional agreed preliminaries items**

Details:  
None

103 Other post tender information (B12.3)

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

Fixed

Item

Value Related

Item

Time Related

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**SECTION C: SPECIFIC PRELIMINARIES**

**Section C** contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item

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104	<p><b>Clause C1 - Contract drawings</b></p> <p>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 <b>works</b> and the manner in which they are to be executed</p> <p>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 <b>principal agent</b></p>			
		Fixed		Item
		Value Related		Item
		Time Related		Item

105	<p><b>Clause C2 - General Preambles</b></p> <p>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.</p>			
		Fixed		Item
		Value Related		Item
		Time Related		Item

106	<p><b>Clause C3 - Site instructions</b></p> <p>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</p> <p>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</p>			
		Fixed		Item

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		Value Related	Item	
		Time Related	Item	
107	<b>Clause C4 - Trade Names</b>			
	Wherever a trade name for any product has been described in the <b>bills of quantities</b> , 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 <b>principal agent</b> 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	
		Value Related	Item	
		Time Related	Item	
108	<b>Clause C5 - Overtime</b>			
	Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the contractor unless the principal agent has specifically authorized and indicated in writing, prior to the execution thereof, that costs for such overtime will to be borne by the employer			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
109	<b>Clause C6 - As-built drawings</b>			
	The position of construction breaks and the extent of individual concrete pours are to be recorded by the contractor on the structural engineer's drawings and are to be submitted to the principal agent and the structural engineer for their records			
		Fixed	Item	
		Value Related	Item	
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		Time Related	Item		
110	<b>Clause C5 - Labour record</b>				
	At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all subcontractors on the works each day				
		Fixed	Item		
		Value Related	Item		
		Time Related	Item		
111	<b>Clause C6 - Plant record</b>				
	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		
		Value Related	Item		
		Time Related	Item		
112	<b>Clause C7 - Non-cession of monies</b>				
	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		
		Value Related	Item		
		Time Related	Item		
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113 **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

Value Related

Item

Time Related

Item

114 **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

Value Related

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115	<p><b>Clause C10 - Commencement of Works in School Areas</b></p> <p>As the <b>works</b> falls within a school area the <b>contractor</b> must give the Principal or other responsible staff member notice before commencement of the <b>works</b>. Should the <b>contractor</b> fail to make such arrangements, admission to the <b>site</b> may be refused and any additional costs will be for the <b>contractor's</b> account</p>			
	Fixed			Item
	Value Related			Item
	Time Related			Item

116	<p><b>Clause C11 - Entrance Permits to School Areas</b></p> <p>As the <b>works</b> falls within a school area the <b>contractor</b> 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</p>			
	Fixed			Item
	Value Related			Item
	Time Related			Item

117	<p><b>Clause C12 - Security Check of Personnel</b></p> <p>The <b>principal agent</b> may require the <b>contractor</b> to have his personnel and workmen, or a certain number of them, security classified</p> <p>In the event of the <b>principal agent</b> requesting the removal of a person or persons from the <b>works</b> for security reasons, the <b>contractor</b> shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the <b>works</b> and the <b>site</b> and/or to any document or information relating to the <b>works</b></p>			
	Fixed			Item
	Value Related			Item

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	<p style="text-align: right;">Time Related</p> <p><b>118 Clause C13 - HIV/Aids Awareness</b></p> <p>It is required of the <b>contractor</b> 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 <b>bills of quantities</b>. 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</p> <p>The <b>contractor</b> must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the <b>principal agent</b>, 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 <b>payment certificate</b> until the <b>contractor</b> provides satisfactory proof of compliance. The <b>contractor</b> shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	<p style="text-align: center;">Item</p>	
	<p><b>119 Clause C13.1 - Awareness Champion</b></p> <p>Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	<p style="text-align: center;">Item</p> <p style="text-align: center;">Item</p> <p style="text-align: center;">Item</p>	
	<p style="text-align: center;"><b>Carried to Collection</b></p> <p>Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES &amp; GENERAL</p>		<p style="text-align: center;">R</p>

120	<p><b>Clause C13.2 - Awareness Workshop</b></p> <p>Selection and appointment of a competent Service Provider approved by the <b>principal agent</b>, 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</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	Item		
121	<p><b>Clause C13.3 - Posters, booklets, videos, etc.</b></p> <p>Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the <b>construction period</b>, all in accordance with the HIV/AIDS Specification</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	Item		
122	<p><b>Clause C13.4 - Access to Condoms</b></p> <p>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 <b>construction period</b>, all in accordance with the HIV/AIDS Specification</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	Item		

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**Clause C13.5- Monitoring**

Monitoring HIV/AIDS awareness of workers, providing the **principal agent** with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the **construction period** and close out, all in accordance with the HIV/AIDS Specification

Fixed

Item

Value Related

Item

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Item

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	<p><b><u>SECTION NO.2</u></b></p> <p><b><u>BILL NO. 1</u></b></p> <p><b><u>ALTERATIONS</u></b></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p> <p><b><u>REMOVAL OF EXISTING WORK:</u></b></p> <p>NATURE OF WORK: Tenderers are advised to visit the site and to satisfy themselves as to the nature and extent of the work to be done and provide in their tenders any items not specifically mentioned which they may deem necessary for the proper completion of the work.</p> <p>DIMENSIONS The Contractor is advised to take all dimensions affecting the existing buildings on the site, as he will be held solely responsible for all new work being of the correct size.</p> <p>PIPES, ETC Special care is to be taken not to interfere unnecessarily with any supply pipes or other piping that may be met with and found necessary to disconnect or cut, are to be effectively stopped off and any new connections that may be necessary are to be made with proper fittings and to the satisfaction of the Principal Agent to whom due notice must be given of any alterations to the existing services.</p> <p>PROTECTION In taking down and removing existing work the utmost care is to be observed to avoid any structural or other damage to the remaining portions of the buildings. The Contractor must also protect all work not removed such as walls, floors, doors, windows or other joinery, loose and fixed fittings and electrical appliances, etc. from damage during the progress of the work and provide all necessary materilas for doing so. The Contractor will be held solely responsible for any damage to persons or property and for the safety of the structure throughout the whole of this Contract and must make good at his own expense any damage that may occur.</p> <p>OLD USABLE MATERIALS from the alterations/demolitions are to become the property of the</p>			
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Client. Old materials for re-use are to be carefully removed, stored and protected from injury including making good any damaged or defective parts as required before fixing. Old reusable materials are to be handed over to the Client are to be carefully removed and neatly stacked on site where directed. The remainder of the old materials and all rubbish to be immediately carted away and the site left clean and unencumbered. The Contractor should allow for removing of rubble from site on daily basis, failing which the client might stop the construction until the site has been cleaned. None of the old stock bricks from the pulling down are to be re-used for any new work. Materials to be handed over to the Client should be kept safely and handed over to the School Governing Body or the school principal who shall sign for all materials received.

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

Unless otherwise stated, all usable material from the demolitions should be kept safely and handed over to the school governing body or the school principal who shall sign for all material received.

**DEMOLITIONS, ETC.**

Taking out and removing doors, windows, etc

1	Timber single door 813 x 2032mm high	No	6
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 0      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 6      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

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Taking down and removing roofs, floors, panelling, ceilings, partitions, etc

2	Corrugated iron roof covering including timber purlins	m2	95
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 0      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 95      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

Taking out and removing glass and mirrors

3	Glass from steel windows, including cleaning out rebates and preparing for new glass	m2	0.3
	A : 0.0      B : 0.0      C : 0.0      D : 0.0		
	E : 0.0      F : 0.0      G : 0.0      H : 0.0		
	I : 0.0      J : 0.0      K : 0.0      L : 0.0		
	M : 0.0      N : 0.0      O : 0.0      P : 0.0		
	R : 0.0      S : 0.0      T : 0.3      U : 0.0		
	V : 0.0      W : 0.0      X : 0.0      Y : 0.0		
	Z : 0.0		

**SERVICING OF DOORS AND WINDOWS**

4	Replace window stays, handles and pegs (PC Amount R150-00 Vat excl supplied and delivered to site)	No	9
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 0      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 9      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

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5 Remove door striker plate and replace with new (PC  
Amount R150-00 Vat excl supplied and delivered to site)

A : 0      B : 0      C : 0      D : 0  
E : 0      F : 0      G : 0      H : 0  
I : 0      J : 0      K : 0      L : 0  
M : 0      N : 0      O : 0      P : 0  
R : 0      S : 0      T : 6      U : 0  
V : 0      W : 0      X : 0      Y : 0  
Z : 0

No

6

**MAKING GOOD OF FINISHES ETC**

Making good internal cement plaster

6 Repair plaster cracks on internal walls by hacking and  
removing plaster and applying bonding liquid before  
applying new plaster (plaster included)

A : 0      B : 0      C : 0      D : 0  
E : 0      F : 0      G : 0      H : 0  
I : 0      J : 0      K : 0      L : 0  
M : 0      N : 0      O : 0      P : 0  
R : 0      S : 0      T : 10      U : 0  
V : 0      W : 0      X : 0      Y : 0  
Z : 0

m2

10

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	<p><b><u>SECTION NO.3</u></b></p> <p><b><u>BILL NO.1</u></b></p> <p><b><u>EARTHWORKS</u></b></p> <p><b><u>EARTHWORKS</u></b></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Nature of ground</u></b></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><b><u>Nature of ground</u></b></p> <p>A soils investigation has been carried out on site by the engineer and the report is annexed to these bills of quantities. Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" described in the above report and where conditions of a more difficult character are indicated these are separately measured</p> <p><b><u>Carting away of excavated material</u></b></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><b><u>Filling</u></b></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>			
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**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

**EXCAVATION, FILLING, ETC**

**Compaction of surfaces**

1 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

14

A : 0	B : 0	C : 0	D : 0
E : 0	F : 0	G : 0	H : 0
I : 0	J : 0	K : 0	L : 0
M : 0	N : 0	O : 0	P : 0
R : 0	S : 0	T : 14	U : 0
V : 0	W : 0	X : 0	Y : 0
Z : 0			

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	<p><b><u>SECTION NO.3</u></b></p> <p><b><u>BILL NO.2</u></b></p> <p><b><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></b></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Cost of tests</u></b></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><b><u>"Foamcement " lightweight concrete</u></b></p> <p>"Foamcement" lightweight concrete is to have a density of 600kg/m<sup>3</sup> for the top 50mm and 400kg/m<sup>3</sup> for the remaining thickness. The minimum thickness at outlets, channels, etc shall be 50mm</p> <p><b><u>"Celbeton" lightweight concrete</u></b></p> <p>"Celbeton" lightweight concrete is to have a density of 1000kg/m<sup>3</sup> for the top 20mm and 480kg/m<sup>3</sup> for the remaining thickness. The minimum thickness at outlets, channels, etc shall be 30mm</p>			
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**Formwork**

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

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

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

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

**UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES**

20MPa/19mm concrete

1	Ramps		m3	1
	A : 0	B : 0	C : 0	D : 0
	E : 0	F : 0	G : 0	H : 0
	I : 0	J : 0	K : 0	L : 0
	M : 0	N : 0	O : 0	P : 0
	R : 0	S : 0	T : 1	U : 0
	V : 0	W : 0	X : 0	Y : 0
	Z : 0			

**CONCRETE SUNDRIES**

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Finishing top surfaces of concrete smooth with a steel trowel

2 Ramps to falls

m2

14

A : 0	B : 0	C : 0	D : 0
E : 0	F : 0	G : 0	H : 0
I : 0	J : 0	K : 0	L : 0
M : 0	N : 0	O : 0	P : 0
R : 0	S : 0	T : 14	U : 0
V : 0	W : 0	X : 0	Y : 0
Z : 0			

**SMOOTH FORMWORK (DEGREE OF ACCURACY I)**

Smooth formwork to sides

3 Edges, risers, ends and reveals not exceeding 300mm high or wide

m

10

A : 0	B : 0	C : 0	D : 0
E : 0	F : 0	G : 0	H : 0
I : 0	J : 0	K : 0	L : 0
M : 0	N : 0	O : 0	P : 0
R : 0	S : 0	T : 10	U : 0
V : 0	W : 0	X : 0	Y : 0
Z : 0			

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Traffic Green color to be as follows:

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

**PROFILED METAL SHEETING AND ACCESSORIES**

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

1	Roof covering with pitch not exceeding 50 degrees	m2	160																												
	<table border="0" style="width: 100%;"> <tr> <td>A : 0</td> <td>B : 0</td> <td>C : 0</td> <td>D : 0</td> </tr> <tr> <td>E : 0</td> <td>F : 0</td> <td>G : 0</td> <td>H : 0</td> </tr> <tr> <td>I : 0</td> <td>J : 0</td> <td>K : 0</td> <td>L : 0</td> </tr> <tr> <td>M : 0</td> <td>N : 0</td> <td>O : 0</td> <td>P : 0</td> </tr> <tr> <td>R : 0</td> <td>S : 0</td> <td>T : 160</td> <td>U : 0</td> </tr> <tr> <td>V : 0</td> <td>W : 0</td> <td>X : 0</td> <td>Y : 0</td> </tr> <tr> <td>Z : 0</td> <td></td> <td></td> <td></td> </tr> </table>	A : 0	B : 0	C : 0	D : 0	E : 0	F : 0	G : 0	H : 0	I : 0	J : 0	K : 0	L : 0	M : 0	N : 0	O : 0	P : 0	R : 0	S : 0	T : 160	U : 0	V : 0	W : 0	X : 0	Y : 0	Z : 0					
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M : 0	N : 0	O : 0	P : 0																												
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**ROOF AND WALL INSULATION**

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"Alucushion"

2 4mm Alucushion®/Bubblefoil® FR (fire retardant grade) double-sided aluminium foil insulation (Code: 1983), 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

160

A : 0	B : 0	C : 0	D : 0
E : 0	F : 0	G : 0	H : 0
I : 0	J : 0	K : 0	L : 0
M : 0	N : 0	O : 0	P : 0
R : 0	S : 0	T : 160	U : 0
V : 0	W : 0	X : 0	Y : 0
Z : 0			

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Bill No. 3  
ROOF COVERINGS, ETC (PROVISIONAL)

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Section No. 3

BUILDING

Bill No. 3

ROOF COVERINGS, ETC (PROVISIONAL)

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BUILDING

Bill No. 3

ROOF COVERINGS, ETC (PROVISIONAL)

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO.3</u></b></p> <p><b><u>BILL NO.4</u></b></p> <p><b><u>CARPENTRY AND JOINERY</u></b></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Particle board:</u></b></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><b><u>Joinery:</u></b></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><b><u>Fixing</u></b></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><b><u>Decorative laminate finish:</u></b></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p> <p><b><u>ROOFS, ETC.</u></b></p>			
	<b>Carried to Collection</b>			R
	Section No. 3 BUILDING Bill No. 4 CARPENTRY AND JOINERY			

Plate nailed timber roof truss construction

The following is applicable in respect of roof trusses:

Trusses are at maximum 1100mm centres, roof covering is 0,6mm "Klip-Lok Light industrial" iron sheeting on purlins. Ceilings are 6mm 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.

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CARPENTRY AND JOINERY

R

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 (Existing Kitchen)

No

1

A : 0      B : 0      C : 0      D : 0  
E : 0      F : 0      G : 0      H : 0  
I : 0      J : 0      K : 0      L : 0  
M : 0      N : 0      O : 0      P : 0  
R : 0      S : 0      T : 1      U : 0  
V : 0      W : 0      X : 0      Y : 0  
Z : 0

2 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 (Multi-purpose classroom/ Hall)

No

1

A : 0      B : 0      C : 0      D : 0  
E : 0      F : 0      G : 0      H : 0  
I : 0      J : 0      K : 0      L : 0  
M : 0      N : 0      O : 0      P : 0  
R : 0      S : 0      T : 1      U : 0  
V : 0      W : 0      X : 0      Y : 0  
Z : 0

3 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 (Two classrooms block - ECD )

No

1

A : 0      B : 0      C : 0      D : 0  
E : 0      F : 0      G : 0      H : 0  
I : 0      J : 0      K : 0      L : 0  
M : 0      N : 0      O : 0      P : 0  
R : 0      S : 0      T : 1      U : 0  
V : 0      W : 0      X : 0      Y : 0  
Z : 0

**SKIRTINGS**

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Bill No. 4  
CARPENTRY AND JOINERY

	<u>Wrought meranti</u>		
4	19mm Thick x 150mm high skirting	m	111
	A: 0      B: 0      C: 0      D: 0		
	E: 0      F: 0      G: 0      H: 0		
	I: 0      J: 0      K: 0      L: 0		
	M: 0      N: 0      O: 0      P: 0		
	R: 0      S: 0      T: 111      U: 0		
	V: 0      W: 0      X: 0      Y: 0		
	Z: 0		

**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

5	Door size 813 x 2032mm high with standard weather bar	No	6
	A: 0      B: 0      C: 0      D: 0		
	E: 0      F: 0      G: 0      H: 0		
	I: 0      J: 0      K: 0      L: 0		
	M: 0      N: 0      O: 0      P: 0		
	R: 0      S: 0      T: 6      U: 0		
	V: 0      W: 0      X: 0      Y: 0		
	Z: 0		

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CARPENTRY AND JOINERY

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CARPENTRY AND JOINERY

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Bill No. 4

CARPENTRY AND JOINERY

Item No	<b><u>SECTION NO. 3</u></b>	Quantity	Rate	Amount
	<b><u>BILL NO. 5</u></b>			
	<b><u>FLOOR COVERINGS, ETC.</u></b>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades as well as Engineering Specifications attached to these documents.			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>Patterns &amp; Colours</u>			
	All materials shall be in colours to be selected by the Architect and, where applicable, laid to approved patterns			
	<b><u>FLOOR COVERINGS</u></b>			
	<u>2mm Vinyl tiles (PC Amount R250-00/m2 Vat excl supplied and installed on site)</u>			
1	On floors	m2	129	
	<b><u>POLISH, SEALERS, ETC</u></b>			
2	Two coats wax polish on vinyl flooring	m2	64	
	<b>Carried Forward to Summary of Section No. 3</b>			R
	Section No. 3 BUILDING Bill No. 5 FLOOR COVERINGS,ETC			

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO.3</u></b></p> <p><b><u>BILL NO.6</u></b></p> <p><b><u>IRONMONGERY</u></b></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Finishes to ironmongery</u></b></p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded</p> <p><b><u>CATCHES,CABIN HOOKS, ETC</u></b></p> <p><u>"Solid"</u></p>			
1	<p>100mm Cabin hook and eye including 70 x 70 x 20mm chamfered hardwood block twice oiled and plugged</p> <p>A : 0      B : 0      C : 0      D : 0</p> <p>E : 0      F : 0      G : 0      H : 0</p> <p>I : 0      J : 0      K : 0      L : 0</p> <p>M : 0      N : 0      O : 0      P : 0</p> <p>R : 0      S : 0      T : 6      U : 0</p> <p>V : 0      W : 0      X : 0      Y : 0</p> <p>Z : 0</p>	No	6	
	<p><b><u>LOCKS</u></b></p>			
	<p style="text-align: center;"><b>Carried to Collection</b></p>			
	<p>Section No. 3 BUILDING Bill No. 6 IRONMONGERY</p>			
				R

<u>"Cisa"</u>			
2	CISA solid hardened steel padlock (Code: 28056-55-KD) with a C2000 5 pin keying system with a 55mm body size and supplied keyed different.	No	6
	A : 0    B : 0    C : 0    D : 0		
	E : 0    F : 0    G : 0    H : 0		
	I : 0    J : 0    K : 0    L : 0		
	M : 0    N : 0    O : 0    P : 0		
	R : 0    S : 0    T : 6    U : 0		
	V : 0    W : 0    X : 0    Y : 0		
	Z : 0		
<u>"Dorma"</u>			
3	Dorma "DDC056501" 65mm satin nickel double cylinder (not master keyed)	No	6
	A : 0    B : 0    C : 0    D : 0		
	E : 0    F : 0    G : 0    H : 0		
	I : 0    J : 0    K : 0    L : 0		
	M : 0    N : 0    O : 0    P : 0		
	R : 0    S : 0    T : 6    U : 0		
	V : 0    W : 0    X : 0    Y : 0		
	Z : 0		
4	Dorma "CB30" satin chrome lever handle (S/C)	Pairs	6
	A : 0    B : 0    C : 0    D : 0		
	E : 0    F : 0    G : 0    H : 0		
	I : 0    J : 0    K : 0    L : 0		
	M : 0    N : 0    O : 0    P : 0		
	R : 0    S : 0    T : 6    U : 0		
	V : 0    W : 0    X : 0    Y : 0		
	Z : 0		
5	Dorma "D036" Cylinder lock case	No	6
	A : 0    B : 0    C : 0    D : 0		
	E : 0    F : 0    G : 0    H : 0		
	I : 0    J : 0    K : 0    L : 0		
	M : 0    N : 0    O : 0    P : 0		
	R : 0    S : 0    T : 6    U : 0		
	V : 0    W : 0    X : 0    Y : 0		
	Z : 0		

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IRONMONGERY

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**MAHLODI CRECHE**  
**LDPWRI-B/20388**

6 Dorma "DDS-NP-018" nickel plated door stop.  
(N/Plated)

A: 0	B: 0	C: 0	D: 0
E: 0	F: 0	G: 0	H: 0
I: 0	J: 0	K: 0	L: 0
M: 0	N: 0	O: 0	P: 0
R: 0	S: 0	T: 6	U: 0
V: 0	W: 0	X: 0	Y: 0
Z: 0			

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IRONMONGERY

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	<b><u>BILL NO.7</u></b>			
	<b><u>PLASTERING</u></b>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
	<b><u>SCREEDS</u></b>			
	<u>Screeds on concrete</u>			
1	20mm Thick on floors A : 0      B : 0      C : 0      D : 0 E : 0      F : 0      G : 0      H : 0 I : 0      J : 0      K : 0      L : 0 M : 0      N : 0      O : 0      P : 0 R : 0      S : 0      T : 64      U : 0 V : 0      W : 0      X : 0      Y : 0 Z : 0	m2	64	
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	Section No. 3 BUILDING Bill No. 7 PLASTERING			

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO.3</u></b></p> <p><b><u>BILL NO.8</u></b></p> <p><b><u>PLUMBING AND DRAINAGE</u></b></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>"Polycop" polypropylene pipes:</u></b></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><b><u>"Polylink" polypropylene pipes:</u></b></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> <p>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</p> <p>All pipes shall be jointed and fixed strictly in accordance with the manufacturer's instructions</p>			
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All pipe diameters are nominal external

**Concrete pipes:**

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

**Vitrified clay pipes:**

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

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

**uPVC pipes and fittings:**

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

**uPVC pressure pipes and fittings:**

Pipes for water supply shall be of the class stated

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

Pipes of 50mm diameter and greater shall have sockets and spigots with push in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints

**Copper pipes:**

Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-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

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PLUMBING AND DRAINAGE

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**Fixing of pipes**

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

**Lead pipes and fittings**

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

**Reducing fittings**

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

**Wire gratings**

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

**Septic tanks**

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

**Exposed concrete surfaces**

Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gulley 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"

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PLUMBING AND DRAINAGE

R

**Laying, backfilling, bedding, etc. of pipes**

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

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

**Flush pans**

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

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

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

**Waste unions**

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

**Steel sectional water tanks**

Tanks shall comply with SABS CKS 114

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

Pipes to be taped shall be coated with the appropriate primer and the tape shall be applied with minimum 15mm lap per spiral unless otherwise described

Couplings and fittings to pipes shall be taped in strict accordance with the manufacturer's instructions including all mastic, tape, "Layflat" sheeting, securing of same, etc

**FIRE APPLIANCES ETC**

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R

1	<p>'Chubb'</p> <p>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</p> <p>A: 0      B: 0      C: 0      D: 0  E: 0      F: 0      G: 0      H: 0  I: 0      J: 0      K: 0      L: 0  M: 0      N: 0      O: 0      P: 0  R: 0      S: 0      T: 3      U: 0  V: 0      W: 0      X: 0      Y: 0  Z: 0</p>	No	3	
<b>Carried to Collection</b>				R
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PLUMBING AND DRAINAGE

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PLUMBING AND DRAINAGE

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	<b><u>SECTION NO.3</u></b>			
	<b><u>BILL NO.9</u></b>			
	<b><u>GLAZING</u></b>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
	<b><u>GLAZING TO STEEL WITH PUTTY</u></b>			
	<u>4mm Clear float glass</u>			
1	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	0.3	
	A : 0.0    B : 0.0    C : 0.0    D : 0.0			
	E : 0.0    F : 0.0    G : 0.0    H : 0.0			
	I : 0.0    J : 0.0    K : 0.0    L : 0.0			
	M : 0.0    N : 0.0    O : 0.0    P : 0.0			
	R : 0.0    S : 0.0    T : 0.3    U : 0.0			
	V : 0.0    W : 0.0    X : 0.0    Y : 0.0			
	Z : 0.0			
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	GLAZING			

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	<p><b><u>SECTION NO.3</u></b></p> <p><b><u>BILL NO.10</u></b></p> <p><b><u>PAINTWORK</u></b></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p> <p><b><u>PAINTWORK ETC TO NEW WORK</u></b></p> <p><b><u>PREPARATORY WORK TO EXISTING WORK</u></b></p> <p><b><u>Previously painted plastered surfaces</u></b></p> <p>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p> <p><b><u>Previously painted metal surfaces</u></b></p> <p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p> <p><b><u>Previously painted wood surfaces</u></b></p> <p>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p> <p><b><u>ON FIBRE-CEMENT</u></b></p>			
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	<p>Section No. 3 BUILDING Bill No. 10 PAINTWORK</p>			

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.

1	On doors	m2	21
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 0      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 21      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

2	On skirtings etc. n.e 300mm girth	m	56
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 0      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 56      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

**ON METAL**

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

3	On door frames	m2	10
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 0      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 10      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

**Carried to Collection**

Section No. 3  
BUILDING  
Bill No. 10  
PAINTWORK

R

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BUILDING

Bill No. 10

PAINTWORK

**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

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92

93

**Amount**

**Carried Forward to Summary of Section No. 3**

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BUILDING  
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Bill No	Section No. 3	Page No	Amount
	BUILDING		
	<b><u>SECTION SUMMARY - BUILDING</u></b>		
1	EARTHWORKS	64	
2	CONCRETE, FORMWORK & REINFORCEMENT (PROVISIONAL)	68	
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	<b>Carried to Final Summary</b>		R
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Section No	<u>FINAL SUMMARY</u>	Page No	Amount
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	<p>MAHLODI ECD Sub total (VAT excl.) CARRIED TO CLUSTER SUMMARY</p>		<p>R</p>
	<p>Carried to Final Cluster Summary</p>		<p>R</p>

# EMPILWENI CRECHE

Item No	Quantity	Rate	Amount
<b><u>SECTION NO 1</u></b>			
<b><u>BILL NO. 1</u></b>			
<b><u>PRELIMINARIES</u></b>			
<b><u>PRELIMINARIES</u></b>			
All prices/rates to be net, excluding Value Added Tax			
<b><u>General</u></b>			
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 abovementioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary			
v) Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable")			
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			
<b>Carried to Collection</b>			R
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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

Value Related

Item

Time Related

Item

**Objective and Preparation (A2 - A14)**

2 Offer, acceptance and performance (clause 2)

Fixed

Item

Value Related

Item

Time Related

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3	<p>Documents (clause 3)</p> <p>Clause 3.2.1 is amended by replacing "14.1" with "14.0"</p> <p>Clause 3.7 is amended by the addition of the following:</p> <p><b>The contractor</b> shall supply and keep a copy of the JBCC Series 2000 Principal Building Agreement and Preliminaries applicable to this contract <b>on the site</b>, to which <b>the employer, principal agent and agents</b> shall have access at all times.</p> <p>Clause 3.10 is amended by replacing the second reference to "<b>principal agent</b>" with the word "<b>employer</b>"</p>			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
4	Design responsibility (clause 4)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
5	Employer's agents (clause 5)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
6	Contractor's site representative (clause 6)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
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<p>Section No. 1          PRELIMINARIES          Bill No. 1          PRELIMINARIES &amp; GENERAL</p>				

7 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

Value Related

Item

Time Related

Item

8 Works risk (clause 8)

Fixed

Item

Value Related

Item

Time Related

Item

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9 Indemnities (clause 9)

Clause 9.0 is amended by adding Clause 9.1.4:

The **contractor** indemnifies and holds harmless the **employer** against all liability, losses, 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 installments or otherwise shall be included by the **contractor** in the price and shall be paid by him to those to whom they may be payable. The **contractor** shall reimburse the **employer** for all legal and other costs and expenses, including without limitation attorney's fees on attorney-client scale incurred by the **employer** in connection with investigation, defending or settling any Losses in connection with pending or threatening litigation in which the **employer** is a party.

Fixed

Item

Value Related

Item

Time Related

Item

10 Works insurances (clause 10)

Clause 10.0 is amended by the addition of the following clauses

**10.5 Damage to the Works**

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

Value Related

Item

Time Related

Item

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

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**Execution (A15 - A23)**

15 Preparation for and execution of the works (clause 15)

Clause 15.1.1 is amended by replacing it with:

No clause

Clause 15.1.2 is amended by replacing it with:

The **security** selected in terms of 14.0

Clause 15.1 is amended by the addition of the following clause:

15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993) or latest edition, revision and amendments, within twenty-one (21) **calendar days of commencement date**

Clause 15.2.1 is amended by replacing it with the following clause:

Give the **contractor** possession of the **site** within ten (10) **working days** of the **contractor** complying with the terms of 15.1

Fixed

Item

Value Related

Item

Time Related

Item

16 Access to the works (clause 16)

Fixed

Item

Value Related

Item

Time Related

Item

17 Contract instructions (clause 17)

Fixed

Item

Value Related

Item

Time Related

Item

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18	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
		Value Related	Item
		Time Related	Item
19	Assignment (clause 19)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
20	Nominated sub-contractors (clause 20)		
	Clause 20.0		
	Clause 20.1.3 is amended by replacing it with the following:		
	No Clause		
		Fixed	Item
		Value Related	Item
		Time Related	Item
21	Selected sub-contractors (clause 21)		
		Fixed	Item

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

Value Related

Item

Time Related

Item

30 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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	Value Related	Item	
	Time Related	Item	
	<b>Payment (A31 - A35)</b>		
31	Interim payment to the contractor (clause 31)		
	Clause 31.9 is amended by replacing "seven (7) <b>calender</b> days" with "thirty (30) <b>calender</b> days" and by deleting the words "subject to the <b>contractor</b> giving the <b>employer</b> a tax invoice for the amount due		
	Clause 31.12 is amended by deleting the following		
	Payment shall be subject to the <b>employer</b> giving the <b>contractor</b> a tax invoice for the amount due		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
32	Adjustment to the contract value (clause 32)		
	Clause 32.0		
	Clauses 32.5.1, 32.5.4 and 32.5.7 are amended by the addition of the following at the end of the sentence:		
	"due to no fault of the <b>contractor</b> "		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
33	Recovery of expense and loss (clause 33)		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
	<b>Carried to Collection</b>		
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34	<p>Final account and final payment (clause 34)</p> <p>Clause 34.0</p> <p>Clause 34.2 is amended by inserting # next to 34.2</p> <p>Clause 34.13 is amended by replacing "seven (7) <b>calendar days</b>" with "thirty (30) <b>calendar days</b>" and deleting the words "subject to the <b>employer</b> giving the <b>contractor</b> a tax invoice for the amount due"</p>			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
35	<p>Payment to other parties (clause 35)</p>			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	

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**Cancellation (A36-A39)**

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

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

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

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

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

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

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

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

Fixed

Item

Value Related

Item

Time Related

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

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

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

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

Fixed

Item

Value Related

Item

Time Related

Item

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

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

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

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

Fixed

Item

Value Related

Item

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39	<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) <b>working days</b> of completion of such report"</p>			
	Fixed			Item
	Value Related			Item
	Time Related			Item

**Dispute Settlement (A40)**

40	<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: No clause</p> <p>Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following: Whether or not mediation resolves the dispute, the parties shall bear their own cost concerning the mediation and equally share the costs of the mediator and related costs.</p>			
	Fixed			Item
	Value Related			Item
	Time Related			Item

**State Provision (A41)**

41	<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: 40.1 Should any dispute between the <b>employer</b>, his <b>agents</b> or <b>principal agent</b> 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		
		Value Related	Item		
		Time Related	Item		
		<b><u>Contract Variables (A41)</u></b>			
42	The Schedule (clause 42)				
	<i>Tenderers are referred to the Contract Data and Notes to Tenderes for variable pertaining to this contract</i>				
		Fixed	Item		
		Value Related	Item		
		Time Related	Item		
		<b><u>SECTION B: PRELIMINARIES</u></b>			
		<b><u>Definition and interpretation (B1)</u></b>			
43	Definition and interpretation				
	See also clause A1.0 of Section A for additional and/or amended definitions which shall apply equally to this Section				
		Fixed	Item		
		Value Related	Item		
		Time Related	Item		
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<b>Documents (B2)</b>				
44	<p>Checking of documents (B2.1)</p> <p><b>These bills of quantities:</b></p> <p>(1) <i>contain pages and annexes as indexed, and;</i></p> <p>(2) <i>are in multiple procurement format, i.e. all trades are fully measured with minor budgetary allowances</i></p> <p><i>Items in these bills of quantities are to be read and priced in conjunction with and the descriptions regarded as amplified by the Model Preambles for Trades, 2008 edition, as recommended and published by the Association of South African Quantity Surveyors and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained</i></p>	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
45	Provisional bills of quantities (B2.2)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
46	<p>Availability of construction documentation (B2.3)</p> <p><i>The minor budgetary allowances included in this document will be separately procured, based on multiple procurement of selected sub-contractors during the construction period</i></p>	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
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47	Interests of agents (B2.4)					
		Fixed	Item			
		Value Related	Item			
		Time Related	Item			
48	Priced documents (B2.5)					
		Fixed	Item			
		Value Related	Item			
		Time Related	Item			
49	Tender submission (B2.6)					
	<b><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></b>					
	<b><i>Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer and Acceptance C1.1"</i></b>					
		Fixed	Item			
		Value Related	Item			
		Time Related	Item			
	<b><u>The site (B3)</u></b>					
50	Defined works area (B3.1)					
		Fixed	Item			
		Value Related	Item			
		Time Related	Item			
51	Geotechnical investigation (B3.2)					
		Fixed	Item			
		Value Related	Item			
		Time Related	Item			
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52	<p>Inspection of the site (B3.3)</p> <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
		Value Related	Item
		Time Related	Item
53	Existing premises occupied (B3.4)	Fixed	Item
		Value Related	Item
		Time Related	Item
54	<p>Previous work - dimensional accuracy (B3.5)</p> <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
		Value Related	Item
		Time Related	Item
55	Previous work - defects (B3.6)	Fixed	Item
		Value Related	Item
		Time Related	Item

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56	Services - known (B3.7)					
		Fixed			Item	
		Value Related			Item	
		Time Related			Item	
57	Services - unknown (B3.8)					
		Fixed			Item	
		Value Related			Item	
		Time Related			Item	
58	Protection of trees, etc (B3.9)					
		Fixed			Item	
		Value Related			Item	
		Time Related			Item	
59	Articles of value (B3.10)					
		Fixed			Item	
		Value Related			Item	
		Time Related			Item	
60	Inspection of adjoining properties, etc (B3.11)					
		Fixed			Item	
		Value Related			Item	
		Time Related			Item	
	<b><u>Management of contract (B4)</u></b>					
61	Management of the works (B4.1)					
		Fixed			Item	
		Value Related			Item	

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	Time Related	Item
62	<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"> <li>1. Shall be prepared and drawn up to comply in all respects with the requirements of this Agreement.</li> <li>2. shall be drawn up using logic developed during the tender period and complies with the planning requirements of the Client.</li> <li>3. shall be in accordance with the dates given herein for possession and practical completion; and</li> <li>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.</li> <li>5. shall be accompanied by a full written method statement</li> </ol> <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: center;"><b>Carried to Collection</b></p> <p>Section No. 1            PRELIMINARIES            Bill No. 1            PRELIMINARIES &amp; GENERAL</p>	<p style="text-align: center;">R</p>

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

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		Value Related	Item	
		Time Related	Item	
67	Workmanship samples (B5.2)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
68	Shop drawings (B5.3)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
69	Compliance with manufacturer's instructions (B5.4)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b><u>Temporary works and plant (B6)</u></b>			
70	Deposits and fees (B6.1)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
71	Enclosure of the works (B6.2)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
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72	Advertising (B6.3)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
73	Plant, equipment, sheds and offices (B6.4)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
74	Main notice board (B6.5)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
75	Subcontractors notice board (B6.6)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b><u>Temporary services (B7)</u></b>			
76	Location (B7.1)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
77	Water (B7.2)			
		Fixed	Item	
		Value Related	Item	

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		Time Related	Item	
78	Electricity (B7.3)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
79	Telecommunication facilities (B7.4)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
80	Ablution facilities (B7.5)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b><u>Prime cost amounts (B8)</u></b>			
81	Responsibility for prime cost amounts (B8.1)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b><u>Attendance on nominated and selected subcontractors (B9)</u></b>			
82	General attendance (B9.1)			
	The schedule rates providing for attendance on <b>nominated subcontractors</b> and other <b>contractors</b> , will be adjusted only if the scope of the work has changed			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
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83	Special attendance (B9.2)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
84	Commissioning - Fuel, water and electricity (B9.3)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
<b><u>Financial aspects (B10)</u></b>				
85	Statutory taxes, duties and levies (B10.1)	<i>Provision is made in the summary of these bills of quantities for the inclusion of Value Added Tax (VAT)</i>		
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
86	Payment of preliminaries (B10.2)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
87	Adjustment of preliminaries (B10.3)	Clauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) <b>working days</b> of taking possession of the <b>site</b> " with "when submitting his priced <b>bills of quantities</b> "		
		Fixed	Item	
		Value Related	Item	
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		Time Related	Item	
88	Payment certificate cash flow (B10.4)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b><u>General (B11)</u></b>			
89	Protection of works (B11.1)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
90	Protection/isolation of existing/sectionally occupied works(B11.2)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
91	Site security (B11.3)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
92	Notice before covering work (B11.4)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
93	Disturbance (B11.5)			
		Fixed	Item	
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		Value Related	Item	
		Time Related	Item	
94	Enviromental disturbance (B11.6)			
		Fixed	Item	
		Time Related	Item	
95	Works cleaning and clearing (B11.7)			
		Value Related	Item	
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
96	Vermin (B11.8)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
97	Overhand work (B11.9)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
98	Instruction manuals and guarantees (B11.10)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
99	As built information (B11.11)			
		Fixed	Item	
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		Value Related	Item	
		Time Related	Item	
100	Tenant installations (B11.12)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b><u>Schedule of variables (B12)</u></b>			
101	Pre-tender information (B12.1)			
	This <b>schedule</b> 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 <b>Preliminaries</b> .			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b>12.1.1 Provisional bills of quantities (B12.1.1)</b>			
	The quantities are provisional:			
		<b>Yes</b>		
	<b>12.1.2 Availability of construction documentation (B12.1.2)</b>			
	Construction documentation is complete:			
		<b>Yes</b>		
	<b>12.1.3 Interest of agents (B12.1.3)</b>			
		<b>No</b>		
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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:  
The contractor shall execute the works with as little noise and disturbance as possible

12.1.6 **Existing premises occupied**

[3.4] Specific requirements:  
The contractor shall execute the works with as little noise and disturbance as possible

12.1.7 Previous work - Dimensional accuracy (B12.1.7)

[3.5] Details:  
No additional details

**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*

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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

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.

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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

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

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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:**

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

102 Post-tender information (B12.2)

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

Fixed

Item

Value Related

Item

Time Related

Item

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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

12.2.3 **Additional agreed preliminaries items**

Details:  
None

103 Other post tender information (B12.3)

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

Fixed

Item

Value Related

Item

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

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104 **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

Value Related Item

Time Related Item

105 **Clause C2 - General Preambles**

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

Fixed Item

Value Related Item

Time Related Item

106 **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

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	Value Related	Item	
	Time Related	Item	
107	<b>Clause C4 - Trade Names</b>		
	Wherever a trade name for any product has been described in the <b>bills of quantities</b> , 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 <b>principal agent</b> 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	
	Value Related	Item	
	Time Related	Item	
108	<b>Clause C5 - Overtime</b>		
	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 be borne by the employer		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
109	<b>Clause C6 - As-built drawings</b>		
	The position of construction breaks and the extent of individual concrete pours are to be recorded by the contractor on the structural engineer's drawings and are to be submitted to the principal agent and the structural engineer for their records		
	Fixed	Item	
	Value Related	Item	
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	Time Related	Item		
110	<b>Clause C5 - Labour record</b>			
	At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all subcontractors on the works each day			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
111	<b>Clause C6 - Plant record</b>			
	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		
	Value Related	Item		
	Time Related	Item		
112	<b>Clause C7 - Non-cession of monies</b>			
	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		
	Value Related	Item		
	Time Related	Item		
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113 **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

Value Related

Item

Time Related

Item

114 **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

Value Related

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Time Related

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115	<b>Clause C10 - Commencement of Works in School Areas</b>			
	<p>As the <b>works</b> falls within a school area the <b>contractor</b> must give the Principal or other responsible staff member notice before commencement of the <b>works</b>. Should the <b>contractor</b> fail to make such arrangements, admission to the <b>site</b> may be refused and any additional costs will be for the <b>contractor's</b> account</p>			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
116	<b>Clause C11 - Entrance Permits to School Areas</b>			
	<p>As the <b>works</b> falls within a school area the <b>contractor</b> 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</p>			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
117	<b>Clause C12 - Security Check of Personnel</b>			
	<p>The <b>principal agent</b> may require the <b>contractor</b> to have his personnel and workmen, or a certain number of them, security classified</p>			
	<p>In the event of the <b>principal agent</b> requesting the removal of a person or persons from the <b>works</b> for security reasons, the <b>contractor</b> shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the <b>works</b> and the <b>site</b> and/or to any document or information relating to the <b>works</b></p>			
	Fixed		Item	
	Value Related		Item	
	<b>Carried to Collection</b>			

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	<p style="text-align: right;">Time Related</p> <p><b>118 Clause C13 - HIV/Aids Awareness</b></p> <p>It is required of the <b>contractor</b> 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 <b>bills of quantities</b>. 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</p> <p>The <b>contractor</b> must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the <b>principal agent</b>, 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 <b>payment certificate</b> until the <b>contractor</b> provides satisfactory proof of compliance. The <b>contractor</b> shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	<p style="text-align: center;">Item</p>	
	<p><b>119 Clause C13.1 - Awareness Champion</b></p> <p>Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	<p style="text-align: center;">Item</p> <p style="text-align: center;">Item</p> <p style="text-align: center;">Item</p>	
	<p style="text-align: center;"><b>Carried to Collection</b></p> <p>Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES &amp; GENERAL</p>		<p style="text-align: center;">R</p>



120	<p><b>Clause C13.2 - Awareness Workshop</b></p> <p>Selection and appointment of a competent Service Provider approved by the <b>principal agent</b>, 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</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	Item	
		Item	
		Item	
121	<p><b>Clause C13.3 - Posters, booklets, videos, etc.</b></p> <p>Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the <b>construction period</b>, all in accordance with the HIV/AIDS Specification</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	Item	
		Item	
		Item	
122	<p><b>Clause C13.4 - Access to Condoms</b></p> <p>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 <b>construction period</b>, all in accordance with the HIV/AIDS Specification</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	Item	
		Item	
		Item	

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123

**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

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	<p><b><u>SECTION NO.2</u></b></p> <p><b><u>BILL NO. 1</u></b></p> <p><b><u>ALTERATIONS</u></b></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p> <p><b><u>REMOVAL OF EXISTING WORK:</u></b></p> <p>NATURE OF WORK: Tenderers are advised to visit the site and to satisfy themselves as to the nature and extent of the work to be done and provide in their tenders any items not specifically mentioned which they may deem necessary for the proper completion of the work.</p> <p>DIMENSIONS The Contractor is advised to take all dimensions affecting the existing buildings on the site, as he will be held solely responsible for all new work being of the correct size.</p> <p>PIPES, ETC Special care is to be taken not to interfere unnecessarily with any supply pipes or other piping that may be met with and found necessary to disconnect or cut, are to be effectively stopped off and any new connections that may be necessary are to be made with proper fittings and to the satisfaction of the Principal Agent to whom due notice must be given of any alterations to the existing services.</p> <p>PROTECTION In taking down and removing existing work the utmost care is to be observed to avoid any structural or other damage to the remaining portions of the buildings. The Contractor must also protect all work not removed such as walls, floors, doors, windows or other joinery, loose and fixed fittings and electrical appliances, etc. from damage during the progress of the work and provide all necessary materilas for doing so. The Contractor will be held solely responsible for any damage to persons or property and for the safety of the structure throughout the whole of this Contract and must make good at his own expense any damage that may occur.</p> <p>OLD USABLE MATERIALS from the alterations/demolitions are to become the property of the</p>			
	<b>Carried to Collection</b>			
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Client. Old materials for re-use are to be carefully removed, stored and protected from injury including making good any damaged or defective parts as required before fixing. Old reusable materials are to be handed over to the Client are to be carefully removed and neatly stacked on site where directed. The remainder of the old materials and all rubbish to be immediately carted away and the site left clean and unencumbered. The Contractor should allow for removing of rubble from site on daily basis, failing which the client might stop the construction until the site has been cleaned. None of the old stock bricks from the pulling down are to be re-used for any new work. Materials to be handed over to the Client should be kept safely and handed over to the School Governing Body or the school principal who shall sign for all materials received.

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

Unless otherwise stated, all usable material from the demolitions should be kept safely and handed over to the school governing body or the school principal who shall sign for all material received.

**DEMOLITIONS, ETC.**

1	Take down and remove existing fence approximately 1800mm high	m	80
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 80      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 0      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

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**EMPILWENI CRECHE  
LDPWRI-B/20388**

	<u>Taking out and removing doors, windows, etc</u>			
2	Timber single door 813 x 2032mm high A: 0      B: 0      C: 0      D: 0 E: 0      F: 0      G: 0      H: 0 I: 0      J: 3      K: 0      L: 0 M: 0      N: 0      O: 0      P: 0 R: 0      S: 0      T: 0      U: 0 V: 0      W: 0      X: 0      Y: 0 Z: 0	No	3	
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
3	Roof trusses and sheeting complete. A: 0      B: 0      C: 0      D: 0 E: 0      F: 0      G: 0      H: 0 I: 0      J: 1      K: 0      L: 0 M: 0      N: 0      O: 0      P: 0 R: 0      S: 0      T: 0      U: 0 V: 0      W: 0      X: 0      Y: 0 Z: 0	No	1	
	<u>Taking out and removing glass and mirrors</u>			
4	Glass from steel windows, including cleaning out rebates and preparing for new glass A: 0      B: 0      C: 0      D: 0 E: 0      F: 0      G: 0      H: 0 I: 0      J: 1      K: 0      L: 0 M: 0      N: 0      O: 0      P: 0 R: 0      S: 0      T: 0      U: 0 V: 0      W: 0      X: 0      Y: 0 Z: 0	m2	1	
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**SERVICING OF DOORS AND WINDOWS**

5	Replace window stays, handles and pegs	No	10
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 10      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 0      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

6	Remove door striker plate and replace with new	No	3
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 3      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 0      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

**MAKING GOOD OF FINISHES ETC**

Making good screed

7	Floors in patches	m2	75
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 75      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 0      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

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Making good external cement plaster

8 Repair plaster cracks on external walls by hacking and removing plaster and applying bonding liquid before applying new plaster (plaster included)

m2

10

A : 0	B : 0	C : 0	D : 0
E : 0	F : 0	G : 0	H : 0
I : 0	J : 10	K : 0	L : 0
M : 0	N : 0	O : 0	P : 0
R : 0	S : 0	T : 0	U : 0
V : 0	W : 0	X : 0	Y : 0
Z : 0			

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	<p><b><u>SECTION NO.3</u></b></p> <p><b><u>BILL NO.1</u></b></p> <p><b><u>CARPENTRY AND JOINERY</u></b></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Particle board:</u></b></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><b><u>Joinery:</u></b></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><b><u>Fixing</u></b></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><b><u>Decorative laminate finish:</u></b></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p> <p><b><u>ROOFS, ETC.</u></b></p>			
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	<p>Section No. 3 BUILDING Bill No. 1 CARPENTRY AND JOINERY</p>			

Plate nailed timber roof truss construction

The following is applicable in respect of roof trusses:

Trusses are at maximum 1100mm centres, roof covering is 0,6mm "Klip-Lok Light industrial" iron sheeting on purlins. Ceilings are 6mm 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.

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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 (Three classrooms block)

No

1

A : 0      B : 0      C : 0      D : 0  
E : 0      F : 0      G : 0      H : 0  
I : 0      J : 1      K : 0      L : 0  
M : 0      N : 0      O : 0      P : 0  
R : 0      S : 0      T : 0      U : 0  
V : 0      W : 0      X : 0      Y : 0  
Z : 0

**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

2 Door size 813 x 2032mm high with standard weather bar

No

3

A : 0      B : 0      C : 0      D : 0  
E : 0      F : 0      G : 0      H : 0  
I : 0      J : 3      K : 0      L : 0  
M : 0      N : 0      O : 0      P : 0  
R : 0      S : 0      T : 0      U : 0  
V : 0      W : 0      X : 0      Y : 0  
Z : 0

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	<b><u>BILL NO.2</u></b>			
	<b><u>CEILINGS , ETC.</u></b>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>Descriptions:</u></b>			
	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			
	<b><u>CEILINGS ETC</u></b>			
	<b><u>Insulation</u></b>			
1	50mm glass fibre insulation blanket to manufacturer's specification, laid on ceiling.	m2	75	
	A : 0      B : 0      C : 0      D : 0			
	E : 0      F : 0      G : 0      H : 0			
	I : 0      J : 75      K : 0      L : 0			
	M : 0      N : 0      O : 0      P : 0			
	R : 0      S : 0      T : 0      U : 0			
	V : 0      W : 0      X : 0      Y : 0			
	Z : 0			
	<b><u>NAILED UP CEILINGS</u></b>			
	<b>Carried to Collection</b>			
	Section No. 3 BUILDING Bill No. 2 CEILINGS, ETC			R



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

2 Ceilings including 38 x 38mm branderings at 90deg to trusses at maximum centres of 400mm by 32mm long galvanised nails.

m2

75

A : 0      B : 0      C : 0      D : 0  
 E : 0      F : 0      G : 0      H : 0  
 I : 0      J : 75      K : 0      L : 0  
 M : 0      N : 0      O : 0      P : 0  
 R : 0      S : 0      T : 0      U : 0  
 V : 0      W : 0      X : 0      Y : 0  
 Z : 0

3 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

3

A : 0      B : 0      C : 0      D : 0  
 E : 0      F : 0      G : 0      H : 0  
 I : 0      J : 3      K : 0      L : 0  
 M : 0      N : 0      O : 0      P : 0  
 R : 0      S : 0      T : 0      U : 0  
 V : 0      W : 0      X : 0      Y : 0  
 Z : 0

**Carried to Collection**

Section No. 3  
 BUILDING  
 Bill No. 2  
 CEILINGS, ETC

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Section No. 3

BUILDING

Bill No. 2

CEILINGS, ETC

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R

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO.3</u></b></p> <p><b><u>BILL NO.3</u></b></p> <p><b><u>IRONMONGERY</u></b></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Finishes to ironmongery</u></b></p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded</p> <p><b><u>CATCHES,CABIN HOOKS, ETC</u></b></p> <p><u>"Solid"</u></p>			
1	<p>100mm Cabin hook and eye including 70 x 70 x 20mm chamfered hardwood block twice oiled and plugged</p> <p>A : 0      B : 0      C : 0      D : 0</p> <p>E : 0      F : 0      G : 0      H : 0</p> <p>I : 0      J : 3      K : 0      L : 0</p> <p>M : 0      N : 0      O : 0      P : 0</p> <p>R : 0      S : 0      T : 0      U : 0</p> <p>V : 0      W : 0      X : 0      Y : 0</p> <p>Z : 0</p>	No	3	
	<p><b><u>LOCKS</u></b></p>			
	<p style="text-align: center;"><b>Carried to Collection</b></p>			
	<p>Section No. 3 BUILDING Bill No. 3 IRONMONGERY</p>			
				R

<u>"Cisa"</u>			
2	CISA solid hardened steel padlock (Code: 28056-55-KD) with a C2000 5 pin keying system with a 55mm body size and supplied keyed different.	No	3
	A : 0    B : 0    C : 0    D : 0		
	E : 0    F : 0    G : 0    H : 0		
	I : 0    J : 3    K : 0    L : 0		
	M : 0    N : 0    O : 0    P : 0		
	R : 0    S : 0    T : 0    U : 0		
	V : 0    W : 0    X : 0    Y : 0		
	Z : 0		
<u>"Dorma"</u>			
3	Dorma "DDC056501" 65mm satin nickel double cylinder (not master keyed)	No	3
	A : 0    B : 0    C : 0    D : 0		
	E : 0    F : 0    G : 0    H : 0		
	I : 0    J : 3    K : 0    L : 0		
	M : 0    N : 0    O : 0    P : 0		
	R : 0    S : 0    T : 0    U : 0		
	V : 0    W : 0    X : 0    Y : 0		
	Z : 0		
4	Dorma "CB30" satin chrome lever handle (S/C)	Pairs	3
	A : 0    B : 0    C : 0    D : 0		
	E : 0    F : 0    G : 0    H : 0		
	I : 0    J : 3    K : 0    L : 0		
	M : 0    N : 0    O : 0    P : 0		
	R : 0    S : 0    T : 0    U : 0		
	V : 0    W : 0    X : 0    Y : 0		
	Z : 0		
5	Dorma "D036" Cylinder lock case	No	3
	A : 0    B : 0    C : 0    D : 0		
	E : 0    F : 0    G : 0    H : 0		
	I : 0    J : 3    K : 0    L : 0		
	M : 0    N : 0    O : 0    P : 0		
	R : 0    S : 0    T : 0    U : 0		
	V : 0    W : 0    X : 0    Y : 0		
	Z : 0		

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Section No. 3  
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IRONMONGERY

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6 Dorma "DDS-NP-018" nickel plated door stop.  
(N/Plated)

A: 0	B: 0	C: 0	D: 0
E: 0	F: 0	G: 0	H: 0
I: 0	J: 3	K: 0	L: 0
M: 0	N: 0	O: 0	P: 0
R: 0	S: 0	T: 0	U: 0
V: 0	W: 0	X: 0	Y: 0
Z: 0			

No

3

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IRONMONGERY

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Item No	<b><u>SECTION NO.3</u></b>	Quantity	Rate	Amount
	<b><u>BILL NO.4</u></b>			
	<b><u>PLASTERING</u></b>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
	<b><u>SCREEDS</u></b>			
	<u>Screeds on concrete</u>			
1	20mm Thick on floors A : 0      B : 0      C : 0      D : 0 E : 0      F : 0      G : 0      H : 0 I : 0      J : 75      K : 0      L : 0 M : 0      N : 0      O : 0      P : 0 R : 0      S : 0      T : 0      U : 0 V : 0      W : 0      X : 0      Y : 0 Z : 0	m2	75	
	<b>Carried Forward to Summary of Section No. 3</b>			R
	Section No. 3 BUILDING Bill No. 4 PLASTERING			

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO.3</u></b></p> <p><b><u>BILL NO.5</u></b></p> <p><b><u>TILING</u></b></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades.</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Descriptions</u></b></p> <p>Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding</p> <p><b><u>FLOOR TILING</u></b></p> <p><u>300 x 300 x 11,5mm Ceramic floor tiles fixed with adhesive to plaster (plaster elsewhere) and flush pointed with tinted waterproof jointing compound (PC Amount R150-00/thousand Vat excl supplied and delivered to site)</u></p>			
1	<p>On floors and landings</p> <p>A : 0      B : 0      C : 0      D : 0</p> <p>E : 0      F : 0      G : 0      H : 0</p> <p>I : 0      J : 76      K : 0      L : 0</p> <p>M : 0      N : 0      O : 0      P : 0</p> <p>R : 0      S : 0      T : 0      U : 0</p> <p>V : 0      W : 0      X : 0      Y : 0</p> <p>Z : 0</p>	m2	76	
	<b>Carried to Collection</b>			R
	<p>Section No. 3 BUILDING Bill No. 5 TILING</p>			



**EMPILWENI CRECHE**  
**LDPWRI-B/20388**

2 Skirting formed of ceramic tile cut to 300 x 75mm high

A: 0	B: 0	C: 0	D: 0
E: 0	F: 0	G: 0	H: 0
I: 0	J: 60	K: 0	L: 0
M: 0	N: 0	O: 0	P: 0
R: 0	S: 0	T: 0	U: 0
V: 0	W: 0	X: 0	Y: 0
Z: 0			

m

60

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TILING

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Bill No. 5

TILING

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Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO.3</u></b></p> <p><b><u>BILL NO.6</u></b></p> <p><b><u>PLUMBING AND DRAINAGE</u></b></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>"Polycop" polypropylene pipes:</u></b></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><b><u>"Polylink" polypropylene pipes:</u></b></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> <p>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</p> <p>All pipes shall be jointed and fixed strictly in accordance with the manufacturer's instructions</p>			
	<b>Carried to Collection</b>			
	<p>Section No. 3 BUILDING Bill No. 6 PLUMBING AND DRAINAGE</p>		R	

All pipe diameters are nominal external

**Concrete pipes:**

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

**Vitrified clay pipes:**

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

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

**uPVC pipes and fittings:**

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

**uPVC pressure pipes and fittings:**

Pipes for water supply shall be of the class stated

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

Pipes of 50mm diameter and greater shall have sockets and spigots with push in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints

**Copper pipes:**

Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-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

**Carried to Collection**

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PLUMBING AND DRAINAGE

R

**Fixing of pipes**

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

**Lead pipes and fittings**

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

**Reducing fittings**

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

**Wire gratings**

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

**Septic tanks**

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

**Exposed concrete surfaces**

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

**Excavations**

No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling

"Soft rock" and "hard rock" shall be as defined in "Earthworks"

**Carried to Collection**

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PLUMBING AND DRAINAGE

R

**Laying, backfilling, bedding, etc. of pipes**

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

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

**Flush pans**

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

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

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

**Waste unions**

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

**Steel sectional water tanks**

Tanks shall comply with SABS CKS 114

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

Pipes to be taped shall be coated with the appropriate primer and the tape shall be applied with minimum 15mm lap per spiral unless otherwise described

Couplings and fittings to pipes shall be taped in strict accordance with the manufacturer's instructions including all mastic, tape, "Layflat" sheeting, securing of same, etc

**FIRE APPLIANCES ETC**

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PLUMBING AND DRAINAGE

R

1	<p>'Chubb'</p> <p>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</p> <p>A: 0      B: 0      C: 0      D: 0  E: 0      F: 0      G: 0      H: 0  I: 0      J: 3      K: 0      L: 0  M: 0      N: 0      O: 0      P: 0  R: 0      S: 0      T: 0      U: 0  V: 0      W: 0      X: 0      Y: 0  Z: 0</p>	No	3	
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PLUMBING AND DRAINAGE

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PLUMBING AND DRAINAGE

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PLUMBING AND DRAINAGE

R



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	<p><b><u>SECTION NO.3</u></b></p> <p><b><u>BILL NO.7</u></b></p> <p><b><u>GLAZING</u></b></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p> <p><b><u>GLAZING TO STEEL WITH PUTTY</u></b></p> <p><u>4mm Clear float glass</u></p>			
1	<p>Panes exceeding 0,1m2 and not exceeding 0,5m2</p> <p>A : 0      B : 0      C : 0      D : 0</p> <p>E : 0      F : 0      G : 0      H : 0</p> <p>I : 0      J : 1      K : 0      L : 0</p> <p>M : 0      N : 0      O : 0      P : 0</p> <p>R : 0      S : 0      T : 0      U : 0</p> <p>V : 0      W : 0      X : 0      Y : 0</p> <p>Z : 0</p>	m2	1	
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Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO.3</u></b></p> <p><b><u>BILL NO.8</u></b></p> <p><b><u>PAINTWORK</u></b></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p> <p><b><u>PAINTWORK ETC TO NEW WORK</u></b></p> <p><b><u>PREPARATORY WORK TO EXISTING WORK</u></b></p> <p><b><u>Previously painted plastered surfaces</u></b></p> <p>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p> <p><b><u>Previously painted metal surfaces</u></b></p> <p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p> <p><b><u>Previously painted wood surfaces</u></b></p> <p>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p> <p><b><u>ON FIBRE-CEMENT</u></b></p>			
	<b>Carried to Collection</b>			R
	<p>Section No. 3 BUILDING Bill No. 8 PAINTWORK</p>			

Plascon Polvin Super Acrylic to interior new fibre cement. Surface to be dry, sound and clean, with a moisture content, measured with a Doser Hygrometer (or equivalent), of BD 2 scale - 8% or less. Prime with one coat Plascon Plaster Primer (UC 56) with an overcoating time of 16 hours and finish with two coats Polvin Super Acrylic (EPL) with 1 hour drying time between coats, for a maintenance cycle of 5 years in a C1 - inland environment.

1 On ceilings and cornices

m2

75

A : 0      B : 0      C : 0      D : 0  
E : 0      F : 0      G : 0      H : 0  
I : 0      J : 75      K : 0      L : 0  
M : 0      N : 0      O : 0      P : 0  
R : 0      S : 0      T : 0      U : 0  
V : 0      W : 0      X : 0      Y : 0  
Z : 0

**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.

2 On door frames

m2

3

A : 0      B : 0      C : 0      D : 0  
E : 0      F : 0      G : 0      H : 0  
I : 0      J : 3      K : 0      L : 0  
M : 0      N : 0      O : 0      P : 0  
R : 0      S : 0      T : 0      U : 0  
V : 0      W : 0      X : 0      Y : 0  
Z : 0

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PAINTWORK

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3	On gates, grilles, burglar screens, balustrading, etc (both sides measured over the full flat area )	m2	11
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 11      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 0      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

**ON WOOD**

Plascon Woodcare Clear Varnish to exterior new wood. Surface to be dry, sound and clean. Wash knots and resinous areas with Lacquer Thinners (ILS 1) and coat with Woodcare Knot Seal (PK 2) and apply one coat of Plascon Woodcare Pretreatment (WVWP 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.

4	On doors	m2	11
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 11      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 0      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

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BUILDING

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	<p><b><u>SECTION NO.4</u></b></p> <p><b><u>BILL NO. 1</u></b></p> <p><b><u>FENCING</u></b></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades as well as Engineering Specifications</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>The following shall apply with regards to the fencing.</u></b></p> <p>The contractor shall submit shop drawings for gates for approval by the architects</p> <p>The manufacturer shall be cochrane, any changes shall be approved by the architects prior to implementation</p> <p>Quality control program shall be submitted to the Engineer for review prior to commencement of any work.</p> <p>The contractor shall submit a certificate of compliance for materials and coatings</p> <p>All steel materials shall be of good commercial quality, galvanized steel.</p> <p>All pipes shall be galvanized, one piece without joints.</p> <p>All posts shall have moist proof caps</p> <p>Zinc coating shall be smooth and essentially free from lumps, globs, or points</p> <p>All miscellaneous materials shall be galvanized</p> <p><b><u>The following shall apply with regards to the fencing panel:</u></b></p> <p>Panel shall be of 3,297m width and 2,1m in height.</p> <p>The panel shall be reinforced with 4 x 50mm deep "V" height formation horizontal recessed bands (rigidity)</p> <p>The panel shall have 2 x 70 degree flanges along sides</p> <p style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 4 EXTERNAL WORKS Bill No. 1 FENCING</p>			R

All internal fixtures shall be on the inside of the fence line

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

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

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

Panel and fixtures shall be galvanized

**The following shall apply with regards to the fencing post:**

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

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

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

Post shall be sealed with a UV stabilized polymer cap.

Post finish shall be Galvanized

Post Foundation shall be 600mm x 400mm<sup>2</sup> 15Mpa concrete

**EXCAVATIONS**

**SITE CLEARANCE ETC**

**Carried to Collection**

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	<u>Site clearance</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	65	
	A : 0      B : 0      C : 0      D : 0			
	E : 0      F : 0      G : 0      H : 0			
	I : 0      J : 65      K : 0      L : 0			
	M : 0      N : 0      O : 0      P : 0			
	R : 0      S : 0      T : 0      U : 0			
	V : 0      W : 0      X : 0      Y : 0			
	Z : 0			
	<b><u>EXCAVATION, FILLING, ETC</u></b>			
	<u>Excavation in earth not exceeding 2m deep</u>			
2	Holes	m3	4	
	A : 0      B : 0      C : 0      D : 0			
	E : 0      F : 0      G : 0      H : 0			
	I : 0      J : 4      K : 0      L : 0			
	M : 0      N : 0      O : 0      P : 0			
	R : 0      S : 0      T : 0      U : 0			
	V : 0      W : 0      X : 0      Y : 0			
	Z : 0			
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
3	Soft rock	m3	0.1	
	A : 0.0      B : 0.0      C : 0.0      D : 0.0			
	E : 0.0      F : 0.0      G : 0.0      H : 0.0			
	I : 0.0      J : 0.1      K : 0.0      L : 0.0			
	M : 0.0      N : 0.0      O : 0.0      P : 0.0			
	R : 0.0      S : 0.0      T : 0.0      U : 0.0			
	V : 0.0      W : 0.0      X : 0.0      Y : 0.0			
	Z : 0.0			
	<b>Carried to Collection</b>			
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4	Hard rock	m3	0.2
	A : 0.0    B : 0.0    C : 0.0    D : 0.0		
	E : 0.0    F : 0.0    G : 0.0    H : 0.0		
	I : 0.0    J : 0.2    K : 0.0    L : 0.0		
	M : 0.0    N : 0.0    O : 0.0    P : 0.0		
	R : 0.0    S : 0.0    T : 0.0    U : 0.0		
	V : 0.0    W : 0.0    X : 0.0    Y : 0.0		
	Z : 0.0		

Extra over all excavations for carting away

5	Surplus material from excavations on site to a dumping site to be located by the contractor	m3	4
	A : 0    B : 0    C : 0    D : 0		
	E : 0    F : 0    G : 0    H : 0		
	I : 0    J : 4    K : 0    L : 0		
	M : 0    N : 0    O : 0    P : 0		
	R : 0    S : 0    T : 0    U : 0		
	V : 0    W : 0    X : 0    Y : 0		
	Z : 0		

Risk of collapse of excavations

6	Sides of trench and hole excavations not exceeding 1,5m deep	m2	42
	A : 0    B : 0    C : 0    D : 0		
	E : 0    F : 0    G : 0    H : 0		
	I : 0    J : 42    K : 0    L : 0		
	M : 0    N : 0    O : 0    P : 0		
	R : 0    S : 0    T : 0    U : 0		
	V : 0    W : 0    X : 0    Y : 0		
	Z : 0		

Keeping excavations free of water

**CONCRETE, FORMWORK AND REINFORCEMENT**

**UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES**

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7	<p><u>15MPa/19mm concrete</u></p> <p>Base</p> <p>A: 0      B: 0      C: 0      D: 0 E: 0      F: 0      G: 0      H: 0 I: 0      J: 4      K: 0      L: 0 M: 0      N: 0      O: 0      P: 0 R: 0      S: 0      T: 0      U: 0 V: 0      W: 0      X: 0      Y: 0 Z: 0</p>	m3	4	
<b><u>FENCING</u></b>				
<u>Diamond mesh fencing erected in strict accordance to the manufacturer's instructions</u>				
8	<p>1800mm Galvanised diamond mesh fence fixed to and including 4mm thick galvanised straining wires at 600mm centres</p> <p>A: 0      B: 0      C: 0      D: 0 E: 0      F: 0      G: 0      H: 0 I: 0      J: 65      K: 0      L: 0 M: 0      N: 0      O: 0      P: 0 R: 0      S: 0      T: 0      U: 0 V: 0      W: 0      X: 0      Y: 0 Z: 0</p>	m	65	
9	<p>Corner post size 2,4m high x 101mm diameter x 2mm thick with cap and baseplate and finished with silver bitumen primer fixed in concrete base (e/m)</p> <p>A: 0      B: 0      C: 0      D: 0 E: 0      F: 0      G: 0      H: 0 I: 0      J: 4      K: 0      L: 0 M: 0      N: 0      O: 0      P: 0 R: 0      S: 0      T: 0      U: 0 V: 0      W: 0      X: 0      Y: 0 Z: 0</p>	No	4	
<b>Carried to Collection</b>				
<p>Section No. 4 EXTERNAL WORKS Bill No. 1 FENCING</p>				
				R

**EMPILWENI CRECHE**  
**LDPWRI-B/20388**

10	Gate post size 2,4m high x 101mm diameter x 2mm thick with cap and baseplate and finished with silver bitumen primer fixed in concrete base (e/m)	No	4
	A: 0      B: 0      C: 0      D: 0		
	E: 0      F: 0      G: 0      H: 0		
	I: 0      J: 4      K: 0      L: 0		
	M: 0      N: 0      O: 0      P: 0		
	R: 0      S: 0      T: 0      U: 0		
	V: 0      W: 0      X: 0      Y: 0		
	Z: 0		
11	Immediate post size 2,4m high x 101mm diameter x 2mm thick with cap and baseplate and finished with silver bitumen primer fixed in concrete base (e/m)	No	8
	A: 0      B: 0      C: 0      D: 0		
	E: 0      F: 0      G: 0      H: 0		
	I: 0      J: 8      K: 0      L: 0		
	M: 0      N: 0      O: 0      P: 0		
	R: 0      S: 0      T: 0      U: 0		
	V: 0      W: 0      X: 0      Y: 0		
	Z: 0		
12	Inclined stay size 2400mm x 48mm x 2mm thick with steel base plate fixed to concrete base (e/m)	No	28
	A: 0      B: 0      C: 0      D: 0		
	E: 0      F: 0      G: 0      H: 0		
	I: 0      J: 28      K: 0      L: 0		
	M: 0      N: 0      O: 0      P: 0		
	R: 0      S: 0      T: 0      U: 0		
	V: 0      W: 0      X: 0      Y: 0		
	Z: 0		
13	2450mm Standard Y nailed into the ground	No	8
	A: 0      B: 0      C: 0      D: 0		
	E: 0      F: 0      G: 0      H: 0		
	I: 0      J: 8      K: 0      L: 0		
	M: 0      N: 0      O: 0      P: 0		
	R: 0      S: 0      T: 0      U: 0		
	V: 0      W: 0      X: 0      Y: 0		
	Z: 0		

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14	Pedestrian gate 1000 x 1800mm high to suit diamond mesh fencing covered with galvanised wire diamond mesh fixed to framing and cross brace including sliding lock (PC Amount R2000-00 each VAT excl. supplied and delivered to site)	No	1
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 1      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 0      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

15	Vehicle gate 3000 x 1800mm high to suit diamond mesh fencing covered with galvanised wire diamond mesh fixed to framing and cross brace including sliding lock (PC Amount R4000-00 each VAT excl. supplied and delivered to site)	No	1
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 1      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 0      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

**SUNDRIES**

Bolts, etc.

16	12mm Tension bolts	No	48
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 48      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 0      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

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17 150mm M10 bolt and nut  
A: 0      B: 0      C: 0      D: 0  
E: 0      F: 0      G: 0      H: 0  
I: 0      J: 28      K: 0      L: 0  
M: 0      N: 0      O: 0      P: 0  
R: 0      S: 0      T: 0      U: 0  
V: 0      W: 0      X: 0      Y: 0  
Z: 0

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**COLLECTION**

Total Brought Forward from Page No.

**Page  
No**

**Amount**

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Section No	<u>FINAL SUMMARY</u>	Page No	Amount
1	PRELIMINARIES	56	
2	ALTERATIONS	62	
3	BUILDING	89	
4	EXTERNAL WORKS	98	
EMPILWENI ECD Sub total (VAT excl.) CARRIED TO CLUSTER SUMMARY			R
<b>Carried to Final Cluster Summary</b>			R



# **KHUTSANG CRECHE**

Item No	Quantity	Rate	Amount
<b><u>SECTION NO 1</u></b>			
<b><u>BILL NO. 1</u></b>			
<b><u>PRELIMINARIES</u></b>			
<b><u>PRELIMINARIES</u></b>			
All prices/rates to be net, excluding Value Added Tax			
<b><u>General</u></b>			
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 abovementioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary			
v) Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable")			
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			
<b>Carried to Collection</b>			R
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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

Value Related

Item

Time Related

Item

**Objective and Preparation (A2 - A14)**

2 Offer, acceptance and performance (clause 2)

Fixed

Item

Value Related

Item

Time Related

Item

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3	<p>Documents (clause 3)</p> <p>Clause 3.2.1 is amended by replacing "14.1" with "14.0"</p> <p>Clause 3.7 is amended by the addition of the following:</p> <p><b>The contractor</b> shall supply and keep a copy of the JBCC Series 2000 Principal Building Agreement and Preliminaries applicable to this contract <b>on the site</b>, to which <b>the employer, principal agent and agents</b> shall have access at all times.</p> <p>Clause 3.10 is amended by replacing the second reference to "<b>principal agent</b>" with the word "<b>employer</b>"</p>			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
4	Design responsibility (clause 4)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
5	Employer's agents (clause 5)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
6	Contractor's site representative (clause 6)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
<b>Carried to Collection</b>				R
<p>Section No. 1          PRELIMINARIES          Bill No. 1          PRELIMINARIES &amp; GENERAL</p>				

7 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

Value Related

Item

Time Related

Item

8 Works risk (clause 8)

Fixed

Item

Value Related

Item

Time Related

Item

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9 Indemnities (clause 9)

Clause 9.0 is amended by adding Clause 9.1.4:

The **contractor** indemnifies and holds harmless the **employer** against all liability, losses, 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 installments or otherwise shall be included by the **contractor** in the price and shall be paid by him to those to whom they may be payable. The **contractor** shall reimburse the **employer** for all legal and other costs and expenses, including without limitation attorney's fees on attorney-client scale incurred by the **employer** in connection with investigation, defending or settling any Losses in connection with pending or threatening litigation in which the **employer** is a party.

Fixed

Item

Value Related

Item

Time Related

Item

10 Works insurances (clause 10)

Clause 10.0 is amended by the addition of the following clauses

**10.5 Damage to the Works**

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

Value Related

Item

Time Related

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

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**Execution (A15 - A23)**

15 Preparation for and execution of the works (clause 15)

Clause 15.1.1 is amended by replacing it with:

No clause

Clause 15.1.2 is amended by replacing it with:

The **security** selected in terms of 14.0

Clause 15.1 is amended by the addition of the following clause:

15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993) or latest edition, revision and amendments, within twenty-one (21) **calendar days of commencement date**

Clause 15.2.1 is amended by replacing it with the following clause:

Give the **contractor** possession of the **site** within ten (10) **working days** of the **contractor** complying with the terms of 15.1

Fixed

Item

Value Related

Item

Time Related

Item

16 Access to the works (clause 16)

Fixed

Item

Value Related

Item

Time Related

Item

17 Contract instructions (clause 17)

Fixed

Item

Value Related

Item

Time Related

Item

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18	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
		Value Related	Item
		Time Related	Item
19	Assignment (clause 19)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
20	Nominated sub-contractors (clause 20)		
	Clause 20.0		
	Clause 20.1.3 is amended by replacing it with the following:		
	No Clause		
		Fixed	Item
		Value Related	Item
		Time Related	Item
21	Selected sub-contractors (clause 21)		
		Fixed	Item

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		Value Related	Item	
		Time Related	Item	
22	Employer's direct contractors (clause 22)			
	<i>The Contractor shall allow the direct contractors and employers agents access to the work, allocate reasonable space in the building for storage of their materials, tools and equipment, all to the satisfaction of the Principal Agent. The contractor shall also allow the direct contractors, etc. free of charge, use of their ablution facilities and water and power supply to the and shall in no way hinder or prevent the execution of their works. Attendance may be priced against the relevant specified items in the bills of quantities.</i>			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
23	Contractor's domestic sub-contractors (Clause 23)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
<b><u>COMPLETION</u></b>				
<b><u>Completion (A24-A30)</u></b>				
24	Practical completion (clause 24)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
25	Works completion (clause 25)			
		Fixed	Item	
		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

Value Related

Item

Time Related

Item

30 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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		Value Related	Item	
		Time Related	Item	
	<b><u>Payment (A31 - A35)</u></b>			
31	Interim payment to the contractor (clause 31)			
	Clause 31.9 is amended by replacing "seven (7) <b>calender</b> days" with "thirty (30) <b>calender</b> days" and by deleting the words "subject to the <b>contractor</b> giving the <b>employer</b> a tax invoice for the amount due			
	Clause 31.12 is amended by deleting the following			
	Payment shall be subject to the <b>employer</b> giving the <b>contractor</b> a tax invoice for the amount due			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
32	Adjustment to the contract value (clause 32)			
	Clause 32.0			
	Clauses 32.5.1, 32.5.4 and 32.5.7 are amended by the addition of the following at the end of the sentence:			
	"due to no fault of the <b>contractor</b> "			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
33	Recovery of expense and loss (clause 33)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b>Carried to Collection</b>			
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34 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

Value Related

Item

Time Related

Item

35 Payment to other parties (clause 35)

Fixed

Item

Value Related

Item

Time Related

Item

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**Cancellation (A36-A39)**

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

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

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

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

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

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

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

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

Fixed

Item

Value Related

Item

Time Related

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

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

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

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

Fixed

Item

Value Related

Item

Time Related

Item

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

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

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

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

Fixed

Item

Value Related

Item

Time Related

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39	<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) <b>working days</b> of completion of such report"</p>			
	Fixed			Item
	Value Related			Item
	Time Related			Item

**Dispute Settlement (A40)**

40	<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: No clause</p> <p>Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following: Whether or not mediation resolves the dispute, the parties shall bear their own cost concerning the mediation and equally share the costs of the mediator and related costs.</p>			
	Fixed			Item
	Value Related			Item
	Time Related			Item

**State Provision (A41)**

41	<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: 40.1 Should any dispute between the <b>employer</b>, his <b>agents</b> or <b>principal agent</b> 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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	Value Related	Item
	Time Related	Item

**Contract Variables (A41)**

42 The Schedule (clause 42)

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

	Fixed	Item
	Value Related	Item
	Time Related	Item

**SECTION B: PRELIMINARIES**

**Definition and interpretation (B1)**

43 Definition and interpretation

See also clause A1.0 of Section A for additional and/or amended definitions which shall apply equally to this Section

	Fixed	Item
	Value Related	Item
	Time Related	Item

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<b>Documents (B2)</b>				
44	<p>Checking of documents (B2.1)</p> <p><b>These bills of quantities:</b></p> <p>(1) <i>contain pages and annexes as indexed, and;</i></p> <p>(2) <i>are in multiple procurement format, i.e. all trades are fully measured with minor budgetary allowances</i></p> <p><i>Items in these bills of quantities are to be read and priced in conjunction with and the descriptions regarded as amplified by the Model Preambles for Trades, 2008 edition, as recommended and published by the Association of South African Quantity Surveyors and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained</i></p>	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
45	Provisional bills of quantities (B2.2)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
46	<p>Availability of construction documentation (B2.3)</p> <p><i>The minor budgetary allowances included in this document will be separately procured, based on multiple procurement of selected sub-contractors during the construction period</i></p>	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
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47	Interests of agents (B2.4)	Fixed	Item
		Value Related	Item
		Time Related	Item
48	Priced documents (B2.5)	Fixed	Item
		Value Related	Item
		Time Related	Item
49	Tender submission (B2.6)		
	<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
		Value Related	Item
		Time Related	Item
	<b><u>The site (B3)</u></b>		
50	Defined works area (B3.1)	Fixed	Item
		Value Related	Item
		Time Related	Item
51	Geotechnical investigation (B3.2)	Fixed	Item
		Value Related	Item
		Time Related	Item

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52	<p>Inspection of the site (B3.3)</p> <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> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	Item		
53	<p>Existing premises occupied (B3.4)</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	Item		
54	<p>Previous work - dimensional accuracy (B3.5)</p> <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> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	Item		
55	<p>Previous work - defects (B3.6)</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	Item		

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56	Services - known (B3.7)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
57	Services - unknown (B3.8)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
58	Protection of trees, etc (B3.9)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
59	Articles of value (B3.10)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
60	Inspection of adjoining properties, etc (B3.11)		
		Fixed	Item
		Value Related	Item
		Time Related	Item
	<b><u>Management of contract (B4)</u></b>		
61	Management of the works (B4.1)		
		Fixed	Item
		Value Related	Item

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	Time Related	Item
62	<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"> <li>1. Shall be prepared and drawn up to comply in all respects with the requirements of this Agreement.</li> <li>2. shall be drawn up using logic developed during the tender period and complies with the planning requirements of the Client.</li> <li>3. shall be in accordance with the dates given herein for possession and practical completion; and</li> <li>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.</li> <li>5. shall be accompanied by a full written method statement</li> </ol> <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: center;"><b>Carried to Collection</b></p> <p>Section No. 1            PRELIMINARIES            Bill No. 1            PRELIMINARIES &amp; GENERAL</p>	<p style="text-align: center;">R</p>

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

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		Value Related	Item	
		Time Related	Item	
67	Workmanship samples (B5.2)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
68	Shop drawings (B5.3)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
69	Compliance with manufacturer's instructions (B5.4)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b><u>Temporary works and plant (B6)</u></b>			
70	Deposits and fees (B6.1)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
71	Enclosure of the works (B6.2)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
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72	Advertising (B6.3)	Fixed	Item
		Value Related	Item
		Time Related	Item
73	Plant, equipment, sheds and offices (B6.4)	Fixed	Item
		Value Related	Item
		Time Related	Item
74	Main notice board (B6.5)	Fixed	Item
		Value Related	Item
		Time Related	Item
75	Subcontractors notice board (B6.6)	Fixed	Item
		Value Related	Item
		Time Related	Item
<b><u>Temporary services (B7)</u></b>			
76	Location (B7.1)	Fixed	Item
		Value Related	Item
		Time Related	Item
77	Water (B7.2)	Fixed	Item
		Value Related	Item

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		Time Related	Item	
78	Electricity (B7.3)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
79	Telecommunication facilities (B7.4)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
80	Ablution facilities (B7.5)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b><u>Prime cost amounts (B8)</u></b>			
81	Responsibility for prime cost amounts (B8.1)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b><u>Attendance on nominated and selected subcontractors (B9)</u></b>			
82	General attendance (B9.1)			
	The schedule rates providing for attendance on <b>nominated subcontractors</b> and other <b>contractors</b> , will be adjusted only if the scope of the work has changed			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
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83	Special attendance (B9.2)			
		Fixed	Item	
		Value Related	Item	
84	Commissioning - Fuel, water and electricity (B9.3)	Time Related	Item	
		Fixed	Item	
		Value Related	Item	
85	<u><b>Financial aspects (B10)</b></u> Statutory taxes, duties and levies (B10.1)  <i>Provision is made in the summary of these bills of quantities for the inclusion of Value Added Tax (VAT)</i>	Time Related	Item	
		Fixed	Item	
		Value Related	Item	
86	Payment of preliminaries (B10.2)	Time Related	Item	
		Fixed	Item	
		Value Related	Item	
87	Adjustment of preliminaries (B10.3)  Clauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) <b>working days</b> of taking possession of the <b>site</b> " with "when submitting his priced <b>bills of quantities</b> "	Time Related	Item	
		Fixed	Item	
		Value Related	Item	
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		Value Related	Item	
		Time Related	Item	
94	Enviromental disturbance (B11.6)			
		Fixed	Item	
		Time Related	Item	
95	Works cleaning and clearing (B11.7)			
		Value Related	Item	
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
96	Vermin (B11.8)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
97	Overhand work (B11.9)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
98	Instruction manuals and guarantees (B11.10)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
99	As built information (B11.11)			
		Fixed	Item	
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		Value Related	Item	
		Time Related	Item	
100	Tenant installations (B11.12)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b><u>Schedule of variables (B12)</u></b>			
101	Pre-tender information (B12.1)			
	This <b>schedule</b> 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 <b>Preliminaries</b> .			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b>12.1.1 Provisional bills of quantities (B12.1.1)</b>			
	The quantities are provisional:			
		<b>Yes</b>		
	<b>12.1.2 Availability of construction documentation (B12.1.2)</b>			
	Construction documentation is complete:			
		<b>Yes</b>		
	<b>12.1.3 Interest of agents (B12.1.3)</b>			
		<b>No</b>		
		<b>Carried to Collection</b>		
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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:  
The contractor shall execute the works with as little noise and disturbance as possible

**12.1.6 Existing premises occupied**

[3.4] Specific requirements:  
The contractor shall execute the works with as little noise and disturbance as possible

**12.1.7 Previous work - Dimensional accuracy (B12.1.7)**

[3.5] Details:  
No additional details

**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*

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**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

**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.

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**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

**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

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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:**

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

102 Post-tender information (B12.2)

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

Fixed

Item

Value Related

Item

Time Related

Item

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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

12.2.3 **Additional agreed preliminaries items**

Details:  
 None

103 Other post tender information (B12.3)

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

Fixed

Item

Value Related

Item

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

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104	<p><b>Clause C1 - Contract drawings</b></p> <p>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 <b>works</b> and the manner in which they are to be executed</p> <p>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 <b>principal agent</b></p>			
		Fixed		Item
		Value Related		Item
		Time Related		Item

105	<p><b>Clause C2 - General Preambles</b></p> <p>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.</p>			
		Fixed		Item
		Value Related		Item
		Time Related		Item

106	<p><b>Clause C3 - Site instructions</b></p> <p>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</p> <p>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</p>			
		Fixed		Item

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		Time Related	Item		
110	<b>Clause C5 - Labour record</b>				
	At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all subcontractors on the works each day				
		Fixed	Item		
		Value Related	Item		
		Time Related	Item		
111	<b>Clause C6 - Plant record</b>				
	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		
		Value Related	Item		
		Time Related	Item		
112	<b>Clause C7 - Non-cession of monies</b>				
	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		
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113 **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

Value Related

Item

Time Related

Item

114 **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

Value Related

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Time Related

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115	<p><b>Clause C10 - Commencement of Works in School Areas</b></p> <p>As the <b>works</b> falls within a school area the <b>contractor</b> must give the Principal or other responsible staff member notice before commencement of the <b>works</b>. Should the <b>contractor</b> fail to make such arrangements, admission to the <b>site</b> may be refused and any additional costs will be for the <b>contractor's</b> account</p>			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	

116	<p><b>Clause C11 - Entrance Permits to School Areas</b></p> <p>As the <b>works</b> falls within a school area the <b>contractor</b> 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</p>			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	

117	<p><b>Clause C12 - Security Check of Personnel</b></p> <p>The <b>principal agent</b> may require the <b>contractor</b> to have his personnel and workmen, or a certain number of them, security classified</p> <p>In the event of the <b>principal agent</b> requesting the removal of a person or persons from the <b>works</b> for security reasons, the <b>contractor</b> shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the <b>works</b> and the <b>site</b> and/or to any document or information relating to the <b>works</b></p>			
		Fixed	Item	
		Value Related	Item	

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	<p style="text-align: right;">Time Related</p> <p><b>118 Clause C13 - HIV/Aids Awareness</b></p> <p>It is required of the <b>contractor</b> 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 <b>bills of quantities</b>. 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</p> <p>The <b>contractor</b> must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the <b>principal agent</b>, 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 <b>payment certificate</b> until the <b>contractor</b> provides satisfactory proof of compliance. The <b>contractor</b> shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	<p style="text-align: center;">Item</p>	
	<p><b>119 Clause C13.1 - Awareness Champion</b></p> <p>Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	<p style="text-align: center;">Item</p> <p style="text-align: center;">Item</p> <p style="text-align: center;">Item</p>	
	<p style="text-align: center;"><b>Carried to Collection</b></p> <p>Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES &amp; GENERAL</p>		<p style="text-align: center;">R</p>

120	<b>Clause C13.2 - Awareness Workshop</b>	Selection and appointment of a competent Service Provider approved by the <b>principal agent</b> , provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification	Fixed	Item			
			Value Related	Item			
			Time Related	Item			
121	<b>Clause C13.3 - Posters, booklets, videos, etc.</b>	Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the <b>construction period</b> , all in accordance with the HIV/AIDS Specification	Fixed	Item			
			Value Related	Item			
			Time Related	Item			
122	<b>Clause C13.4 - Access to Condoms</b>	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 <b>construction period</b> , all in accordance with the HIV/AIDS Specification	Fixed	Item			
			Value Related	Item			
			Time Related	Item			
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**Clause C13.5- Monitoring**

Monitoring HIV/AIDS awareness of workers, providing the **principal agent** with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the **construction period** and close out, all in accordance with the HIV/AIDS Specification

Fixed

Item

Value Related

Item

Time Related

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Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO.2</u></b></p> <p><b><u>BILL NO. 1</u></b></p> <p><b><u>ALTERATIONS</u></b></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p> <p><b><u>REMOVAL OF EXISTING WORK:</u></b></p> <p>NATURE OF WORK: Tenderers are advised to visit the site and to satisfy themselves as to the nature and extent of the work to be done and provide in their tenders any items not specifically mentioned which they may deem necessary for the proper completion of the work.</p> <p>DIMENSIONS The Contractor is advised to take all dimensions affecting the existing buildings on the site, as he will be held solely responsible for all new work being of the correct size.</p> <p>PIPES, ETC Special care is to be taken not to interfere unnecessarily with any supply pipes or other piping that may be met with and found necessary to disconnect or cut, are to be effectively stopped off and any new connections that may be necessary are to be made with proper fittings and to the satisfaction of the Principal Agent to whom due notice must be given of any alterations to the existing services.</p> <p>PROTECTION In taking down and removing existing work the utmost care is to be observed to avoid any structural or other damage to the remaining portions of the buildings. The Contractor must also protect all work not removed such as walls, floors, doors, windows or other joinery, loose and fixed fittings and electrical appliances, etc. from damage during the progress of the work and provide all necessary materilas for doing so. The Contractor will be held solely responsible for any damage to persons or property and for the safety of the structure throughout the whole of this Contract and must make good at his own expense any damage that may occur.</p> <p>OLD USABLE MATERIALS from the alterations/demolitions are to become the property of the</p>			
	<b>Carried to Collection</b>			
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Client. Old materials for re-use are to be carefully removed, stored and protected from injury including making good any damaged or defective parts as required before fixing. Old reusable materials are to be handed over to the Client are to be carefully removed and neatly stacked on site where directed. The remainder of the old materials and all rubbish to be immediately carted away and the site left clean and unencumbered. The Contractor should allow for removing of rubble from site on daily basis, failing which the client might stop the construction until the site has been cleaned. None of the old stock bricks from the pulling down are to be re-used for any new work. Materials to be handed over to the Client should be kept safely and handed over to the School Governing Body or the school principal who shall sign for all materials received.

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

Unless otherwise stated, all usable material from the demolitions should be kept safely and handed over to the school governing body or the school principal who shall sign for all material received.

Taking out and removing ironmongery

1	Locksets, etc.	No	2																												
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	<u>Taking down and removing vinyl floor coverings, carpeting, etc., remove all glue etc. by sand paper, smoothen surface, prepare screed for new ceramic floor tiles</u>						
3	Vinyl tile floor covering including preparing screed for new				m2	143	
	A : 0	B : 0	C : 0	D : 0			
	E : 0	F : 0	G : 0	H : 0			
	I : 0	J : 0	K : 0	L : 0			
	M : 0	N : 0	O : 0	P : 0			
	R : 0	S : 0	T : 143	U : 0			
	V : 0	W : 0	X : 0	Y : 0			
	Z : 0						
	<u>Taking out/off and removing sundry metalwork</u>						
4	Vehicle gate 3000 x 1800mm high to suit diamond mesh				No	1	
	A : 0	B : 0	C : 0	D : 0			
	E : 0	F : 0	G : 0	H : 0			
	I : 0	J : 0	K : 0	L : 0			
	M : 0	N : 0	O : 0	P : 0			
	R : 0	S : 0	T : 1	U : 0			
	V : 0	W : 0	X : 0	Y : 0			
	Z : 0						
5	Pedestrian gate 1000 x 1800mm high to suit diamond mesh fencing				No	1	
	A : 0	B : 0	C : 0	D : 0			
	E : 0	F : 0	G : 0	H : 0			
	I : 0	J : 0	K : 0	L : 0			
	M : 0	N : 0	O : 0	P : 0			
	R : 0	S : 0	T : 1	U : 0			
	V : 0	W : 0	X : 0	Y : 0			
	Z : 0						
	<b>Carried to Collection</b>						
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	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>							
6	Fibre cement fascias, barge boards, etc.				m	14		
	A: 0	B: 0	C: 0	D: 0				
	E: 0	F: 0	G: 0	H: 0				
	I: 0	J: 0	K: 0	L: 0				
	M: 0	N: 0	O: 0	P: 0				
	R: 0	S: 0	T: 14	U: 0				
	V: 0	W: 0	X: 0	Y: 0				
	Z: 0							
	<u>Taking down and removing sundry joinery work</u>							
7	Remove existing kitchen unit size approximately 3627 x 536 x 882mm deep complete with double bowl sink				No	1		
	A: 0	B: 0	C: 0	D: 0				
	E: 0	F: 0	G: 0	H: 0				
	I: 0	J: 0	K: 0	L: 0				
	M: 0	N: 0	O: 0	P: 0				
	R: 0	S: 0	T: 1	U: 0				
	V: 0	W: 0	X: 0	Y: 0				
	Z: 0							
8	Remove existing kitchen unit size approximately 3049 x 536 x 882mm deep complete				No	1		
	A: 0	B: 0	C: 0	D: 0				
	E: 0	F: 0	G: 0	H: 0				
	I: 0	J: 0	K: 0	L: 0				
	M: 0	N: 0	O: 0	P: 0				
	R: 0	S: 0	T: 1	U: 0				
	V: 0	W: 0	X: 0	Y: 0				
	Z: 0							
	<b>Carried to Collection</b>							
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<u>Taking out and removing glass and mirrors</u>				
9	Glass from steel windows, including cleaning out rebates and preparing for new glass	m2	0.3	
	A : 0.0    B : 0.0    C : 0.0    D : 0.0			
	E : 0.0    F : 0.0    G : 0.0    H : 0.0			
	I : 0.0    J : 0.0    K : 0.0    L : 0.0			
	M : 0.0    N : 0.0    O : 0.0    P : 0.0			
	R : 0.0    S : 0.0    T : 0.3    U : 0.0			
	V : 0.0    W : 0.0    X : 0.0    Y : 0.0			
	Z : 0.0			
<u>Taking out and removing piping, sanitary fittings, etc including disconnecting piping from fittings and making good floor and wall finishes</u>				
10	Vitreous china WC pan with cistern	No	4	
	A : 0        B : 0        C : 0        D : 0			
	E : 0        F : 0        G : 0        H : 0			
	I : 0        J : 0        K : 0        L : 0			
	M : 0        N : 0        O : 0        P : 0			
	R : 0        S : 0        T : 4        U : 0			
	V : 0        W : 0        X : 0        Y : 0			
	Z : 0			
11	Vitreous china basin	No	1	
	A : 0        B : 0        C : 0        D : 0			
	E : 0        F : 0        G : 0        H : 0			
	I : 0        J : 0        K : 0        L : 0			
	M : 0        N : 0        O : 0        P : 0			
	R : 0        S : 0        T : 1        U : 0			
	V : 0        W : 0        X : 0        Y : 0			
	Z : 0			
<b><u>SERVICING OF DOORS AND WINDOWS</u></b>				
12	Replace window stays, handles and pegs	No	9	
	A : 0        B : 0        C : 0        D : 0			
	E : 0        F : 0        G : 0        H : 0			
	I : 0        J : 0        K : 0        L : 0			
	M : 0        N : 0        O : 0        P : 0			
	R : 0        S : 0        T : 9        U : 0			
	V : 0        W : 0        X : 0        Y : 0			
	Z : 0			
<b>Carried to Collection</b>				
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13 Remove door striker plate and replace with new

A: 0	B: 0	C: 0	D: 0
E: 0	F: 0	G: 0	H: 0
I: 0	J: 0	K: 0	L: 0
M: 0	N: 0	O: 0	P: 0
R: 0	S: 0	T: 6	U: 0
V: 0	W: 0	X: 0	Y: 0
Z: 0			

No

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	<p><b><u>SECTION NO.3</u></b></p> <p><b><u>BILL NO.1</u></b></p> <p><b><u>MASONRY</u></b></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>BRICKWORK</u></b></p> <p><b><u>Sizes in descriptions</u></b></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><b><u>Linings to concrete</u></b></p> <p>Descriptions of linings to concrete, unless otherwise described, shall be deemed to include wire ties</p> <p><b><u>Face bricks</u></b></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p><b><u>Pointing</u></b></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc</p> <p><b><u>BRICKWORK SUNDRIES</u></b></p>			
	<b>Carried to Collection</b>			R
	<p>Section No. 3 BUILDING Bill No. 1 MASONRY</p>			

Holes

1	Leave or form opening through one brickwall for pipe n.e 100mm diameter	No	2
	A: 0      B: 0      C: 0      D: 0		
	E: 0      F: 0      G: 0      H: 0		
	I: 0      J: 0      K: 0      L: 0		
	M: 0      N: 0      O: 0      P: 0		
	R: 0      S: 0      T: 2      U: 0		
	V: 0      W: 0      X: 0      Y: 0		
	Z: 0		
2	Leave or form opening through one brickwall for pipe exceeding 100mm and n.e 200mm diameter	No	4
	A: 0      B: 0      C: 0      D: 0		
	E: 0      F: 0      G: 0      H: 0		
	I: 0      J: 0      K: 0      L: 0		
	M: 0      N: 0      O: 0      P: 0		
	R: 0      S: 0      T: 4      U: 0		
	V: 0      W: 0      X: 0      Y: 0		
	Z: 0		
3	Fair cutting and fitting around pipe exceeding 100mm diameter	No	1
	A: 0      B: 0      C: 0      D: 0		
	E: 0      F: 0      G: 0      H: 0		
	I: 0      J: 0      K: 0      L: 0		
	M: 0      N: 0      O: 0      P: 0		
	R: 0      S: 0      T: 1      U: 0		
	V: 0      W: 0      X: 0      Y: 0		
	Z: 0		
4	Fair cutting and fitting around pipe not exceeding 100mm diameter	No	1
	A: 0      B: 0      C: 0      D: 0		
	E: 0      F: 0      G: 0      H: 0		
	I: 0      J: 0      K: 0      L: 0		
	M: 0      N: 0      O: 0      P: 0		
	R: 0      S: 0      T: 1      U: 0		
	V: 0      W: 0      X: 0      Y: 0		
	Z: 0		

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 MASONRY

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5 Fair cutting and fitting around pipe exceeding 100mm  
and not exceeding 200mm diameter

A: 0	B: 0	C: 0	D: 0
E: 0	F: 0	G: 0	H: 0
I: 0	J: 0	K: 0	L: 0
M: 0	N: 0	O: 0	P: 0
R: 0	S: 0	T: 4	U: 0
V: 0	W: 0	X: 0	Y: 0
Z: 0			

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MASONRY

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	<p><b><u>SECTION NO.3</u></b></p> <p><b><u>BILL NO.2</u></b></p> <p><b><u>WATERPROOFING</u></b></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Waterproofing</u></b></p> <p>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</p> <p><b><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></b></p> <p><u>Two coats heavy duty acrylic emulsion paint</u></p>			
1	<p>On waterproofing to roofs</p> <p style="margin-left: 40px;">A : 0      B : 0      C : 0      D : 0</p> <p style="margin-left: 40px;">E : 0      F : 0      G : 0      H : 0</p> <p style="margin-left: 40px;">I : 0      J : 0      K : 0      L : 0</p> <p style="margin-left: 40px;">M : 0      N : 0      O : 0      P : 0</p> <p style="margin-left: 40px;">R : 0      S : 0      T : 140      U : 0</p> <p style="margin-left: 40px;">V : 0      W : 0      X : 0      Y : 0</p> <p style="margin-left: 40px;">Z : 0</p>	m2	140	
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	<p>Section No. 3 BUILDING Bill No. 2 WATERPROOFING</p>			

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO.3</u></b></p> <p><b><u>BILL NO.3</u></b></p> <p><b><u>CARPENTRY AND JOINERY</u></b></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Particle board:</u></b></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><b><u>Joinery:</u></b></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><b><u>Fixing</u></b></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><b><u>Decorative laminate finish:</u></b></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p> <p><b><u>EAVES, VERGES, ETC</u></b></p>			
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	<p>Section No. 3 BUILDING Bill No. 3 CARPENTRY AND JOINERY</p>			

1	<p><u>"Everite FC77" pressed fibre-cement</u></p> <p>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.</p> <p>A : 0      B : 0      C : 0      D : 0  E : 0      F : 0      G : 0      H : 0  I : 0      J : 0      K : 0      L : 0  M : 0      N : 0      O : 0      P : 0  R : 0      S : 0      T : 29      U : 0  V : 0      W : 0      X : 0      Y : 0  Z : 0</p>	m	29
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**SKIRTINGS**

Wrought meranti

2	<p>19mm Thick x 150mm high skirting</p> <p>A : 0      B : 0      C : 0      D : 0  E : 0      F : 0      G : 0      H : 0  I : 0      J : 0      K : 0      L : 0  M : 0      N : 0      O : 0      P : 0  R : 0      S : 0      T : 111      U : 0  V : 0      W : 0      X : 0      Y : 0  Z : 0</p>	m	111
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	<b><u>BILL NO. 4</u></b>			
	<b><u>FLOOR COVERINGS, ETC.</u></b>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades as well as Engineering Specifications attached to these documents.			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>Patterns &amp; Colours</u>			
	All materials shall be in colours to be selected by the Architect and, where applicable, laid to approved patterns			
	<b><u>FLOOR COVERINGS</u></b>			
	<u>2mm Vinyl tiles (PC Amount R250-00/m2 Vat excl supplied and installed on site)</u>			
1	On floors	m2	286	
	<b><u>POLISH, SEALERS, ETC</u></b>			
2	Two coats wax polish on vinyl flooring	m2	143	
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Item No	<b><u>SECTION NO.3</u></b>	Quantity	Rate	Amount																												
	<b><u>BILL NO.5</u></b>																															
	<b><u>IRONMONGERY</u></b>																															
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades																															
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>																															
	<b><u>Finishes to ironmongery</u></b>																															
	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																															
	<b><u>LOCKS</u></b>																															
	<u>"Cisa"</u>																															
1	CISA solid hardened steel padlock (Code: 28056-55-KD) with a C2000 5 pin keying system with a 55mm body size and supplied keyed different.	No	4																													
	<table border="0"> <tr> <td>A: 0</td> <td>B: 0</td> <td>C: 0</td> <td>D: 0</td> </tr> <tr> <td>E: 0</td> <td>F: 0</td> <td>G: 0</td> <td>H: 0</td> </tr> <tr> <td>I: 0</td> <td>J: 0</td> <td>K: 0</td> <td>L: 0</td> </tr> <tr> <td>M: 0</td> <td>N: 0</td> <td>O: 0</td> <td>P: 0</td> </tr> <tr> <td>R: 0</td> <td>S: 0</td> <td>T: 4</td> <td>U: 0</td> </tr> <tr> <td>V: 0</td> <td>W: 0</td> <td>X: 0</td> <td>Y: 0</td> </tr> <tr> <td>Z: 0</td> <td></td> <td></td> <td></td> </tr> </table>	A: 0	B: 0	C: 0	D: 0	E: 0	F: 0	G: 0	H: 0	I: 0	J: 0	K: 0	L: 0	M: 0	N: 0	O: 0	P: 0	R: 0	S: 0	T: 4	U: 0	V: 0	W: 0	X: 0	Y: 0	Z: 0						
A: 0	B: 0	C: 0	D: 0																													
E: 0	F: 0	G: 0	H: 0																													
I: 0	J: 0	K: 0	L: 0																													
M: 0	N: 0	O: 0	P: 0																													
R: 0	S: 0	T: 4	U: 0																													
V: 0	W: 0	X: 0	Y: 0																													
Z: 0																																
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				R																												

<u>"Dorma"</u>			
2	Dorma "DDC056501" 65mm satin nickel double cylinder (not master keyed)	No	2
	A: 0    B: 0    C: 0    D: 0		
	E: 0    F: 0    G: 0    H: 0		
	I: 0    J: 0    K: 0    L: 0		
	M: 0    N: 0    O: 0    P: 0		
	R: 0    S: 0    T: 2    U: 0		
	V: 0    W: 0    X: 0    Y: 0		
	Z: 0		
3	Dorma "CB30" satin chrome lever handle (S/C)	Pairs	2
	A: 0    B: 0    C: 0    D: 0		
	E: 0    F: 0    G: 0    H: 0		
	I: 0    J: 0    K: 0    L: 0		
	M: 0    N: 0    O: 0    P: 0		
	R: 0    S: 0    T: 2    U: 0		
	V: 0    W: 0    X: 0    Y: 0		
	Z: 0		
4	Dorma "D036" Cylinder lock case	No	2
	A: 0    B: 0    C: 0    D: 0		
	E: 0    F: 0    G: 0    H: 0		
	I: 0    J: 0    K: 0    L: 0		
	M: 0    N: 0    O: 0    P: 0		
	R: 0    S: 0    T: 2    U: 0		
	V: 0    W: 0    X: 0    Y: 0		
	Z: 0		
<b><u>KITCHEN CUPBOARDS</u></b>			
<u>? kitchen cupboards, plugged</u>			
5	Ref ? floor unit 3049 x 536 x 882mm high cupboard high with five shelves	No	1
	A: 0    B: 0    C: 0    D: 0		
	E: 0    F: 0    G: 0    H: 0		
	I: 0    J: 0    K: 0    L: 0		
	M: 0    N: 0    O: 0    P: 0		
	R: 0    S: 0    T: 1    U: 0		
	V: 0    W: 0    X: 0    Y: 0		
	Z: 0		

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6	Ref ? floor unit 3627 x 536 x 882mm high cupboard high with MATCH EXISTING DESIGN (PREPARE FOR SINK)	No	1
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 0      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 1      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

**PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC**

7	25mm Aluminium Venetian Blinds 1393 x 894mm high fixe	No	4
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 0      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 4      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

8	25mm Aluminium Venetian Blinds 1458 x 626mm high fixe	No	5
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 0      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 5      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

9	25mm Aluminium Venetian Blinds 962 x 892mm high fixed	No	1
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 0      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 1      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

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10 25mm Aluminium Venetian Blinds 1950 x 1488mm high fix

No

4

A: 0      B: 0      C: 0      D: 0  
 E: 0      F: 0      G: 0      H: 0  
 I: 0      J: 0      K: 0      L: 0  
 M: 0      N: 0      O: 0      P: 0  
 R: 0      S: 0      T: 4      U: 0  
 V: 0      W: 0      X: 0      Y: 0  
 Z: 0

11 25mm Aluminium Venetian Blinds 1950 x 894mm high fixe

No

1

A: 0      B: 0      C: 0      D: 0  
 E: 0      F: 0      G: 0      H: 0  
 I: 0      J: 0      K: 0      L: 0  
 M: 0      N: 0      O: 0      P: 0  
 R: 0      S: 0      T: 1      U: 0  
 V: 0      W: 0      X: 0      Y: 0  
 Z: 0

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Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO.3</u></b></p> <p><b><u>BILL NO.6</u></b></p> <p><b><u>METALWORK</u></b></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Descriptions</u></b></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><b><u>STEEL ROLLER SHUTTERS ETC</u></b></p> <p><u>Galvanised roller shutters fixed to brickwork or concrete</u></p>			
1	<p><b>Chain operated</b> slatted roller shutter for 1794 x 1169mm high opening</p> <p>A : 0      B : 0      C : 0      D : 0</p> <p>E : 0      F : 0      G : 0      H : 0</p> <p>I : 0      J : 0      K : 0      L : 0</p> <p>M : 0      N : 0      O : 0      P : 0</p> <p>R : 0      S : 0      T : 1      U : 0</p> <p>V : 0      W : 0      X : 0      Y : 0</p> <p>Z : 0</p>	No	1	
	<p><b>Carried Forward to Summary of Section No. 3</b></p> <p>Section No. 3 BUILDING Bill No. 6 METALWORK</p>			R

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO.3</u></b></p> <p><b><u>BILL NO.7</u></b></p> <p><b><u>PLUMBING AND DRAINAGE</u></b></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>"Polycop" polypropylene pipes:</u></b></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><b><u>"Polylink" polypropylene pipes:</u></b></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> <p>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</p> <p>All pipes shall be jointed and fixed strictly in accordance with the manufacturer's instructions</p>			
	<b>Carried to Collection</b>			
	<p>Section No. 3 BUILDING Bill No. 7 PLUMBING AND DRAINAGE</p>		R	



All pipe diameters are nominal external

**Concrete pipes:**

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

**Vitrified clay pipes:**

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

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

**uPVC pipes and fittings:**

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

**uPVC pressure pipes and fittings:**

Pipes for water supply shall be of the class stated

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

Pipes of 50mm diameter and greater shall have sockets and spigots with push in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints

**Copper pipes:**

Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-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

**Carried to Collection**

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R

**Fixing of pipes**

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

**Lead pipes and fittings**

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

**Reducing fittings**

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

**Wire gratings**

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

**Septic tanks**

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

**Exposed concrete surfaces**

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

**Excavations**

No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling

"Soft rock" and "hard rock" shall be as defined in "Earthworks"

**Carried to Collection**

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**Laying, backfilling, bedding, etc. of pipes**

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

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

**Flush pans**

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

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

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

**Waste unions**

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

**Steel sectional water tanks**

Tanks shall comply with SABS CKS 114

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

Pipes to be taped shall be coated with the appropriate primer and the tape shall be applied with minimum 15mm lap per spiral unless otherwise described

Couplings and fittings to pipes shall be taped in strict accordance with the manufacturer's instructions including all mastic, tape, "Layflat" sheeting, securing of same, etc

**SOIL DRAINAGE**

1 Testing soil drainage pipe system

Item

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**SANITARY FITTINGS**

"Franke" stainless steel

- 2 Franke Trendline Model 1200x535 DEB Grade 304 18/10 polished stainless steel double end bowl drop on sink (Code: 312081), overall size 1200 x 535mm with two 343 x 410 x 140mm deep bowls, fitted onto cupboard (elsewhere specified) including PVC traps (traps elsewhere specified)

No

1

A : 0      B : 0      C : 0      D : 0  
E : 0      F : 0      G : 0      H : 0  
I : 0      J : 0      K : 0      L : 0  
M : 0      N : 0      O : 0      P : 0  
R : 0      S : 0      T : 1      U : 0  
V : 0      W : 0      X : 0      Y : 0  
Z : 0

"Vaal"

- 3 Vaal Sanitaryware Bantam vitreous china cloakroom basin colour White (Code: 703003), overall size 455 x 290mm with one taphole (RHS) including integrated overflow and chainstay hole, bolted to wall with 2No.10mm bolts (Code: 8448Z0) and sealed with silicone sealant where basin meets wall.

No

1

A : 0      B : 0      C : 0      D : 0  
E : 0      F : 0      G : 0      H : 0  
I : 0      J : 0      K : 0      L : 0  
M : 0      N : 0      O : 0      P : 0  
R : 0      S : 0      T : 1      U : 0  
V : 0      W : 0      X : 0      Y : 0  
Z : 0

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4 Vaal Sanitaryware Junior vitreous china low level suite colour White (Code: 751358) with Junior double flap wooden seat (Code: 8532Z0), comprising 104° outlet washdown pan (Code: 751301) with matching 6 litre front single flush cistern (Code: 712034) including lid, fittings and flushpipe.

A : 0      B : 0      C : 0      D : 0  
 E : 0      F : 0      G : 0      H : 0  
 I : 0      J : 0      K : 0      L : 0  
 M : 0      N : 0      O : 0      P : 0  
 R : 0      S : 0      T : 4      U : 0  
 V : 0      W : 0      X : 0      Y : 0  
 Z : 0

No

4

**WASTE UNIONS ETC**

**"Cobra Watertech"**

5 Cobra Watertech 40mm chrome plated sink waste (Code: 316) with 70mm diameter flange, 45mm long shank, plug, chain and stay.

A : 0      B : 0      C : 0      D : 0  
 E : 0      F : 0      G : 0      H : 0  
 I : 0      J : 0      K : 0      L : 0  
 M : 0      N : 0      O : 0      P : 0  
 R : 0      S : 0      T : 2      U : 0  
 V : 0      W : 0      X : 0      Y : 0  
 Z : 0

No

2

6 Cobra Watertech 32mm chrome plated basin waste (Code: 308) with 62mm diameter flange, 80mm long shank and plug.

A : 0      B : 0      C : 0      D : 0  
 E : 0      F : 0      G : 0      H : 0  
 I : 0      J : 0      K : 0      L : 0  
 M : 0      N : 0      O : 0      P : 0  
 R : 0      S : 0      T : 1      U : 0  
 V : 0      W : 0      X : 0      Y : 0  
 Z : 0

No

1

**TRAPS ETC**

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	<u>"Marley"</u>			
7	40 x 300mm Sink combination for double bowl with deepseal "P" trap	No	1	
	A: 0    B: 0    C: 0    D: 0			
	E: 0    F: 0    G: 0    H: 0			
	I: 0    J: 0    K: 0    L: 0			
	M: 0    N: 0    O: 0    P: 0			
	R: 0    S: 0    T: 1    U: 0			
	V: 0    W: 0    X: 0    Y: 0			
	Z: 0			
	<u>"Cobra Watertech"</u>			
8	"Cobra Ref. 365/40" CP bottle trap	No	1	
	A: 0    B: 0    C: 0    D: 0			
	E: 0    F: 0    G: 0    H: 0			
	I: 0    J: 0    K: 0    L: 0			
	M: 0    N: 0    O: 0    P: 0			
	R: 0    S: 0    T: 1    U: 0			
	V: 0    W: 0    X: 0    Y: 0			
	Z: 0			
	<b><u>TAPS, VALVES, ETC</u></b>			
9	"Cobra Ref. 111-15" pillar tap	No	1	
	A: 0    B: 0    C: 0    D: 0			
	E: 0    F: 0    G: 0    H: 0			
	I: 0    J: 0    K: 0    L: 0			
	M: 0    N: 0    O: 0    P: 0			
	R: 0    S: 0    T: 1    U: 0			
	V: 0    W: 0    X: 0    Y: 0			
	Z: 0			
10	Cobra Watertech 15mm MI x FI x 75mm long extension piece with sliding wall flange (Code: 059-15).	No	2	
	A: 0    B: 0    C: 0    D: 0			
	E: 0    F: 0    G: 0    H: 0			
	I: 0    J: 0    K: 0    L: 0			
	M: 0    N: 0    O: 0    P: 0			
	R: 0    S: 0    T: 2    U: 0			
	V: 0    W: 0    X: 0    Y: 0			
	Z: 0			
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11	Cobra Watertech 15mm compression type angle regulating valve with 10mm bendable copper outlet tube service connection (Code: 232/350).	No	5
	A: 0      B: 0      C: 0      D: 0		
	E: 0      F: 0      G: 0      H: 0		
	I: 0      J: 0      K: 0      L: 0		
	M: 0      N: 0      O: 0      P: 0		
	R: 0      S: 0      T: 5      U: 0		
	V: 0      W: 0      X: 0      Y: 0		
	Z: 0		
12	Cobra Ref. 166/041 wall type "Star" sink mixer with overarm swivel outlet	No	1
	A: 0      B: 0      C: 0      D: 0		
	E: 0      F: 0      G: 0      H: 0		
	I: 0      J: 0      K: 0      L: 0		
	M: 0      N: 0      O: 0      P: 0		
	R: 0      S: 0      T: 1      U: 0		
	V: 0      W: 0      X: 0      Y: 0		
	Z: 0		
13	Cobra Watertech 22mm brass lever ball valve	No	1
	A: 0      B: 0      C: 0      D: 0		
	E: 0      F: 0      G: 0      H: 0		
	I: 0      J: 0      K: 0      L: 0		
	M: 0      N: 0      O: 0      P: 0		
	R: 0      S: 0      T: 1      U: 0		
	V: 0      W: 0      X: 0      Y: 0		
	Z: 0		
14	Cobra Watertech 15mm brass lever ball valve	No	1
	A: 0      B: 0      C: 0      D: 0		
	E: 0      F: 0      G: 0      H: 0		
	I: 0      J: 0      K: 0      L: 0		
	M: 0      N: 0      O: 0      P: 0		
	R: 0      S: 0      T: 1      U: 0		
	V: 0      W: 0      X: 0      Y: 0		
	Z: 0		

**SANITARY PLUMBING**

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<u>uPVC pipes</u>			
15	50mm Pipes	m	4
	A:0      B:0      C:0      D:0		
	E:0      F:0      G:0      H:0		
	I:0      J:0      K:0      L:0		
	M:0      N:0      O:0      P:0		
	R:0      S:0      T:4      U:0		
	V:0      W:0      X:0      Y:0		
	Z:0		
16	50mm Pipes chased into brick walls	m	1
	A:0      B:0      C:0      D:0		
	E:0      F:0      G:0      H:0		
	I:0      J:0      K:0      L:0		
	M:0      N:0      O:0      P:0		
	R:0      S:0      T:1      U:0		
	V:0      W:0      X:0      Y:0		
	Z:0		
17	50mm Pipes laid in and including trenches not exceeding 1m deep	m	3
	A:0      B:0      C:0      D:0		
	E:0      F:0      G:0      H:0		
	I:0      J:0      K:0      L:0		
	M:0      N:0      O:0      P:0		
	R:0      S:0      T:3      U:0		
	V:0      W:0      X:0      Y:0		
	Z:0		
<u>Extra over uPVC pipes for fittings</u>			
18	110mm Pan connector	No	4
	A:0      B:0      C:0      D:0		
	E:0      F:0      G:0      H:0		
	I:0      J:0      K:0      L:0		
	M:0      N:0      O:0      P:0		
	R:0      S:0      T:4      U:0		
	V:0      W:0      X:0      Y:0		
	Z:0		

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R



**KHUTSANG CRECHE  
LDPWRI-B/20388**

19	50mm Bend				No	2
	A: 0	B: 0	C: 0	D: 0		
	E: 0	F: 0	G: 0	H: 0		
	I: 0	J: 0	K: 0	L: 0		
	M: 0	N: 0	O: 0	P: 0		
	R: 0	S: 0	T: 2	U: 0		
	V: 0	W: 0	X: 0	Y: 0		
	Z: 0					
20	100mm Bend				No	4
	A: 0	B: 0	C: 0	D: 0		
	E: 0	F: 0	G: 0	H: 0		
	I: 0	J: 0	K: 0	L: 0		
	M: 0	N: 0	O: 0	P: 0		
	R: 0	S: 0	T: 4	U: 0		
	V: 0	W: 0	X: 0	Y: 0		
	Z: 0					
21	50mm Junction				No	2
	A: 0	B: 0	C: 0	D: 0		
	E: 0	F: 0	G: 0	H: 0		
	I: 0	J: 0	K: 0	L: 0		
	M: 0	N: 0	O: 0	P: 0		
	R: 0	S: 0	T: 2	U: 0		
	V: 0	W: 0	X: 0	Y: 0		
	Z: 0					
22	110mm Junction				No	4
	A: 0	B: 0	C: 0	D: 0		
	E: 0	F: 0	G: 0	H: 0		
	I: 0	J: 0	K: 0	L: 0		
	M: 0	N: 0	O: 0	P: 0		
	R: 0	S: 0	T: 4	U: 0		
	V: 0	W: 0	X: 0	Y: 0		
	Z: 0					

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23	110mm Access bend	No	3
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 0      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 3      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

24	110mm "GI Two-way" vent valve	No	1
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 0      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 1      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

Sundries

25	Testing waste pipe system	Item	
	A : 0.00    B : 0.00    C : 0.00    D : 0.00		
	E : 0.00    F : 0.00    G : 0.00    H : 0.00		
	I : 0.00    J : 0.00    K : 0.00    L : 0.00		
	M : 0.00    N : 0.00    O : 0.00    P : 0.00		
	R : 0.00    S : 0.00    T : 1.00    U : 0.00		
	V : 0.00    W : 0.00    X : 0.00    Y : 0.00		
	Z : 0.00		

**WATER SUPPLIES**

Class 0 copper pipes

26	15mm Pipes	m	5
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 0      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 5      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

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Extra over class 0 copper pipes for capillary fittings

27	15mm Fittings	No	13
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 0      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 13      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

**FIRE APPLIANCES ETC**

'Chubb'

28	9kg Dry chemical powder fire extinguisher, including standard hard wood backing plugged and backing finished with one coat dark stain and two coats clear suede polyurethane varnish	No	3
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 0      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 3      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

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BUILDING

Bill No. 7

PLUMBING AND DRAINAGE

Item No	<b><u>SECTION NO.3</u></b>	Quantity	Rate	Amount
	<b><u>BILL NO.8</u></b>			
	<b><u>ELECTRICAL INSTALLATION</u></b>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>The following shall be applicable as far as the execution of electrical works is concerned:</u>			
	1) The Sub-contractor must be registered with the Electrical Contractors Association (SA) 2) The Sub-contractor must have a Wireman's Licence for a single or three phase depending on the specified supply 3) The Sub-contractor must have a valid Letter of good standing (COIDA) 4) The Sub-contractor must be registered with CIDB in the correct category			
	<b><u>Light fittings</u></b>			
	<u>Supply, delivery to site, storage and installation of the below specified light fittings complete with lamps and tubes. Allowance must be made in the rates for all the required fixing materials and accessories. Fittings to be equal and similar approved to the below quoted manufacture.</u>			
1	1200mm Open channel Fluorescent fitting 2x28W	No	3	
	A : 0      B : 0      C : 0      D : 0 E : 0      F : 0      G : 0      H : 0 I : 0      J : 0      K : 0      L : 0 M : 0      N : 0      O : 0      P : 0 R : 0      S : 0      T : 3      U : 0 V : 0      W : 0      X : 0      Y : 0 Z : 0			
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	Section No. 3 BUILDING Bill No. 8 ELECTRICAL INSTALLATION			

Item No	<b><u>SECTION NO.3</u></b>	Quantity	Rate	Amount
	<b><u>BILL NO.9</u></b>			
	<b><u>GLAZING</u></b>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades			
	<b><u>GLAZING TO STEEL WITH PUTTY</u></b>			
	<u>4mm Clear float glass</u>			
1	Panels exceeding 0,1m2 and not exceeding 0,5m2	m2	0.3	
	A : 0.0    B : 0.0    C : 0.0    D : 0.0 E : 0.0    F : 0.0    G : 0.0    H : 0.0 I : 0.0    J : 0.0    K : 0.0    L : 0.0 M : 0.0    N : 0.0    O : 0.0    P : 0.0 R : 0.0    S : 0.0    T : 0.3    U : 0.0 V : 0.0    W : 0.0    X : 0.0    Y : 0.0 Z : 0.0			
	<b><u>MIRRORS, ETC</u></b>			
	<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>			
2	Mirror 400 x 600mm high with four screws	No	1	
	A : 0    B : 0    C : 0    D : 0 E : 0    F : 0    G : 0    H : 0 I : 0    J : 0    K : 0    L : 0 M : 0    N : 0    O : 0    P : 0 R : 0    S : 0    T : 1    U : 0 V : 0    W : 0    X : 0    Y : 0 Z : 0			
	<b>Carried Forward to Summary of Section No. 3</b>			
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Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO.3</u></b></p> <p><b><u>BILL NO.10</u></b></p> <p><b><u>PAINTWORK</u></b></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades</p> <p><b><u>PAINTWORK ETC TO NEW WORK</u></b></p> <p><b><u>PREPARATORY WORK TO EXISTING WORK</u></b></p> <p><b><u>Previously painted plastered surfaces</u></b></p> <p>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p> <p><b><u>Previously painted metal surfaces</u></b></p> <p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p> <p><b><u>Previously painted wood surfaces</u></b></p> <p>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p> <p><b><u>ON FIBRE-CEMENT</u></b></p> <p><u>Plascon Polvin Super Acrylic to interior new fibre cement. Surface to be dry, sound and clean, with a moisture content, measured with a Doser Hygrometer (or equivalent), of BD 2 scale - 8% or less. Prime with one coat Plascon Plaster Primer (UC 56) with an overcoating time of 16 hours and finish with two coats Polvin Super Acrylic (EPL) with 1 hour drying time between coats, for a maintenance cycle of 5 years in a C1 - inland environment.</u></p>			
	<b>Carried to Collection</b>			
	Section No. 3 BUILDING Bill No. 10 PAINTWORK		R	

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.

1	On fascias and barge boards	m2	12
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 0      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 12      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

**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.

2	On gates, grilles, burglar screens, balustrading, etc (both sides measured over the full flat area )	m2	18
	A : 0      B : 0      C : 0      D : 0		
	E : 0      F : 0      G : 0      H : 0		
	I : 0      J : 0      K : 0      L : 0		
	M : 0      N : 0      O : 0      P : 0		
	R : 0      S : 0      T : 18      U : 0		
	V : 0      W : 0      X : 0      Y : 0		
	Z : 0		

**ON WOOD**

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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.

3	On skirtings etc. n.e 300mm girth	m	140																												
	<table border="0" style="margin-left: 20px;"> <tr> <td>A : 0</td> <td>B : 0</td> <td>C : 0</td> <td>D : 0</td> </tr> <tr> <td>E : 0</td> <td>F : 0</td> <td>G : 0</td> <td>H : 0</td> </tr> <tr> <td>I : 0</td> <td>J : 0</td> <td>K : 0</td> <td>L : 0</td> </tr> <tr> <td>M : 0</td> <td>N : 0</td> <td>O : 0</td> <td>P : 0</td> </tr> <tr> <td>R : 0</td> <td>S : 0</td> <td>T : 140</td> <td>U : 0</td> </tr> <tr> <td>V : 0</td> <td>W : 0</td> <td>X : 0</td> <td>Y : 0</td> </tr> <tr> <td>Z : 0</td> <td></td> <td></td> <td></td> </tr> </table>	A : 0	B : 0	C : 0	D : 0	E : 0	F : 0	G : 0	H : 0	I : 0	J : 0	K : 0	L : 0	M : 0	N : 0	O : 0	P : 0	R : 0	S : 0	T : 140	U : 0	V : 0	W : 0	X : 0	Y : 0	Z : 0					
A : 0	B : 0	C : 0	D : 0																												
E : 0	F : 0	G : 0	H : 0																												
I : 0	J : 0	K : 0	L : 0																												
M : 0	N : 0	O : 0	P : 0																												
R : 0	S : 0	T : 140	U : 0																												
V : 0	W : 0	X : 0	Y : 0																												
Z : 0																															

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Section No. 3

BUILDING

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7	PLUMBING AND DRAINAGE	91	
8	ELECTRICAL INSTALLATION	92	
9	GLAZING	93	
10	PAINTWORK	97	

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Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO.4</u></b></p> <p><b><u>BILL NO. 1</u></b></p> <p><b><u>FENCING</u></b></p> <p>For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades as well as Engineering Specifications</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>The following shall apply with regards to the fencing.</u></b></p> <p>The contractor shall submit shop drawings for gates for approval by the architects</p> <p>The manufacturer shall be cochrane, any changes shall be approved by the architects prior to implementation</p> <p>Quality control program shall be submitted to the Engineer for review prior to commencement of any work.</p> <p>The contractor shall submit a certificate of compliance for materials and coatings</p> <p>All steel materials shall be of good commercial quality, galvanized steel.</p> <p>All pipes shall be galvanized, one piece without joints.</p> <p>All posts shall have moist proof caps</p> <p>Zinc coating shall be smooth and essentially free from lumps, globs, or points</p> <p>All miscellaneous materials shall be galvanized</p> <p><b><u>The following shall apply with regards to the fencing panel:</u></b></p> <p>Panel shall be of 3,297m width and 2,1m in height.</p> <p>The panel shall be reinforced with 4 x 50mm deep "V" height formation horizontal recessed bands (rigidity)</p> <p>The panel shall have 2 x 70 degree flanges along sides</p>			
	<b>Carried to Collection</b>			
	<p>Section No. 4 EXTERNAL WORKS Bill No. 1 FENCING</p>		R	

All internal fixtures shall be on the inside of the fence line

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

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

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

Panel and fixtures shall be galvanized

**The following shall apply with regards to the fencing post:**

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

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

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

Post shall be sealed with a UV stabilized polymer cap.

Post finish shall be Galvanized

Post Foundation shall be 600mm x 400mm<sup>2</sup> 15Mpa concrete

**GATES, ETC.**

**Money Provision:**

1 Single gate and frame size 1000 x 1800mm high

No

1

A : 0	B : 0	C : 0	D : 0
E : 0	F : 0	G : 0	H : 0
I : 0	J : 0	K : 0	L : 0
M : 0	N : 0	O : 0	P : 0
R : 0	S : 0	T : 1	U : 0
V : 0	W : 0	X : 0	Y : 0
Z : 0			

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 Bill No. 1  
 FENCING

2 Vehicle gate and frame size 4000 x 1800mm high  
A: 0      B: 0      C: 0      D: 0  
E: 0      F: 0      G: 0      H: 0  
I: 0      J: 0      K: 0      L: 0  
M: 0      N: 0      O: 0      P: 0  
R: 0      S: 0      T: 1      U: 0  
V: 0      W: 0      X: 0      Y: 0  
Z: 0

No

1

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KHUTSANG ECD Sub total (VAT excl.) CARRIED TO CLUSTER SUMMARY			R
<b>Carried to Final Cluster Summary</b>			R



**MAFEFE CENTRAL CRECHE**

Item No	Quantity	Rate	Amount
<b><u>SECTION NO 1</u></b>			
<b><u>BILL NO. 1</u></b>			
<b><u>PRELIMINARIES AND GENERAL</u></b>			
<b><u>PRELIMINARIES</u></b>			
All prices/rates to be net, excluding Value Added Tax			
<b><u>General</u></b>			
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 abovementioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary			
v) Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable")			
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			
<b>Carried Forward</b>			R
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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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<b>Brought Forward</b>		R	
<p>Clause 1.1 Definition of "<b>Commencement Date</b>" is added:</p> <p>"<b>Commencement date</b>" means the date that the <b>agreement</b>, made in terms of the Form of Offer and Acceptance, comes into effect</p> <p>Clause 1.1 Definition of "<b>Construction Guarantee</b>" is amended by replacing it with the following:</p> <p>"<b>Construction guarantee</b>" means guarantee at call obtained by the <b>contractor</b> from an institution approved by the <b>employer</b> in terms of the <b>employer's</b> construction guarantee form as selected in the <b>schedule</b></p> <p>Clause 1.1 Definition of "<b>Construction Period</b>" is amended by replacing it with the following:</p> <p>"<b>Construction period</b>" means the period commencing on the commencement date and ending on the date of practical completion</p> <p>Clause 1.1 Definition of "<b>Corrupt Practice</b>" is added:</p> <p>"<b>Corrupt Practice</b>" 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</p> <p>Clause 1.1 Definition of "<b>Fraudulent Practice</b>" is added:</p> <p>"<b>Fraudulent Practice</b>" 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.</p> <p>Clause 1.1 Definition of "<b>Interest</b>" is amended by replacing it with the following:</p> <p>"<b>Interest</b>" 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).</p>			
<p style="text-align: center;"><b>Carried Forward</b></p> <p>Section No. 1 Bill No. 1 Preliminaries</p>		R	

Brought Forward		R
<p>Clause 1.1 Definition of "<b>Principal Agent</b>" is amended by replacing it with the following:</p> <p><b>"Principal Agent"</b> means the person or entity appointed by the <b>employer</b> and named in the <b>schedule</b>. In the event of a <b>principal agent</b> not being appointed, then all the duties and obligations of a <b>principal agent</b> as detailed in the <b>agreement</b> shall be fulfilled by a representative of the <b>employer</b> as named in the <b>schedule</b>.</p> <p>Clause 1.1 Definition of "<b>Security</b>" is amended by replacing it with the following:</p> <p><b>Security</b>" means the form of security provided by the <b>employer</b> or <b>contractor</b>, as stated in the <b>schedule</b>, from which the <b>contractor</b> or <b>employer</b> may recover expense or loss</p>		
Fixed		Item
Value Related		Item
Time Related		Item
<b><u>Objective and Preparation (A2 - A14)</u></b>		
2	Offer, acceptance and performance (clause 2)	
Fixed		Item
Value Related		Item
Time Related		Item
<b>Carried Forward</b>		R
<p>Section No. 1 Bill No. 1 Preliminaries</p>		

	Brought Forward		R	
3	<p>Documents (clause 3)</p> <p>Clause 3.2.1 is amended by replacing "14.1" with "14.0"</p> <p>Clause 3.7 is amended by the addition of the following:</p> <p><b>The contractor</b> shall supply and keep a copy of the JBCC Series 2000 Principal Building Agreement and Preliminaries applicable to this contract <b>on the site</b>, to which <b>the employer, principal agent and agents</b> shall have access at all times.</p> <p>Clause 3.10 is amended by replacing the second reference to "<b>principal agent</b>" with the word "<b>employer</b>"</p>			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
4	Design responsibility (clause 4)			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
5	Employer's agents (clause 5)			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
6	Contractor's site representative (clause 6)			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
	<b>Carried Forward</b>		R	
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	<b>Brought Forward</b>		R
7	<p>Compliance with laws and regulations (clause 7)</p> <p>Note: A separate clause has been included in Section C: Specific Preliminaries of the <b>bills of quantities</b> for the <b>contractor</b> to have the opportunity to price for all the requirements of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification</p> <p style="text-align: right; padding-right: 20px;">Fixed</p> <p style="text-align: right; padding-right: 20px;">Value Related</p> <p style="text-align: right; padding-right: 20px;">Time Related</p>	<p>Item</p> <p>Item</p> <p>Item</p>	
8	<p>Works risk (clause 8)</p> <p style="text-align: right; padding-right: 20px;">Fixed</p> <p style="text-align: right; padding-right: 20px;">Value Related</p> <p style="text-align: right; padding-right: 20px;">Time Related</p>	<p>Item</p> <p>Item</p> <p>Item</p>	
	<b>Carried Forward</b>		R
	<p>Section No. 1 Bill No. 1 Preliminaries</p>		

	Brought Forward		R
9	<p>Indemnities (clause 9)</p> <p>Clause 9.0 is amended by adding Clause 9.1.4:</p> <p>The <b>contractor</b> indemnifies and holds harmless the <b>employer</b> 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 <b>contractor</b>, 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 installments or otherwise shall be included by the <b>contractor</b> in the price and shall be paid by him to those to whom they may be payable. The <b>contractor</b> shall reimburse the <b>employer</b> for all legal and other costs and expenses, including without limitation attorney's fees on attorney-client scale incurred by the <b>employer</b> in connection with investigation, defending or settling any Losses in connection with pending or threatening litigation in which the <b>employer</b> is a party.</p> <p style="text-align: right; margin-right: 100px;">Fixed</p> <p style="text-align: right; margin-right: 100px;">Value Related</p> <p style="text-align: right; margin-right: 100px;">Time Related</p>		
10	<p>Works insurances (clause 10)</p> <p>Clause 10.0 is amended by the addition of the following clauses</p> <p><b>10.5 Damage to the Works</b></p> <p>(a) Without in any way limiting the <b>contractor's</b> obligations in terms of the contract, the <b>contractor</b> shall bear the full risk of damage to and/or destruction of the <b>works</b> by whatever cause during construction of the <b>works</b> and hereby indemnifies and holds harmless the <b>employer</b> against any such damage. The <b>contractor</b> shall take such precautions and security measures and other steps for the protection and security of the <b>works</b> as the <b>contractor</b> may deem necessary</p>		
	<b>Carried Forward</b>		R
	<p>Section No. 1 Bill No. 1 Preliminaries</p>		



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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**

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- (d) The **contractor** shall be responsible for the protection and safety of such portions of the premises placed under his control by the **employer** for the purpose of executing the **works** until the issue of the **certificate of practical completion**
- (e) Where the execution of the **works** involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the **contractor** shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the **works** has been completed
- (f) The **contractor** shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the **works**

**10.7 High risk insurance**

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

**10.7.1 Damage to the works**

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

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

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<p style="text-align: center;"><b>Brought Forward</b></p> <p><b>10.7.2 Injury to persons or loss of or damage to property</b></p> <p>The <b>contractor</b> shall be liable for and hereby indemnifies and holds harmless the <b>employer</b> 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</p> <p>The <b>contractor</b> shall be liable for and hereby indemnifies the <b>employer</b> 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 <b>site</b>, whether belonging to or under the control of the <b>employer</b> 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</p> <p><b>10.7.3</b> It is the responsibility of the <b>contractor</b> 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 <b>contractor's</b> obligations in terms of the contract, the <b>contractor</b> shall, within twenty-one (21) <b>calendar days</b> of the <b>commencement date</b> but before commencement of the <b>works</b>, submit to the <b>employer</b> proof of such insurance policy, if requested to do so</p> <p><b>10.7.4</b> The <b>employer</b> shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the <b>contractor's</b> 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 <b>contractor</b> or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the <b>employer</b> and the <b>contractor</b> and for this purpose all these contracts shall be considered one indivisible whole</p> <p style="text-align: right;">Fixed Value Related</p>		R	
<p style="text-align: center;"><b>Carried Forward</b></p> <p>Section No. 1 Bill No. 1 Preliminaries</p>		R	



	Brought Forward		R
	<b><u>Execution (A15 - A23)</u></b>		
15	<p>Preparation for and execution of the works (clause 15)</p> <p>Clause 15.1.1 is amended by replacing it with:</p> <p>No clause</p> <p>Clause 15.1.2 is amended by replacing it with:</p> <p>The <b>security</b> selected in terms of 14.0</p> <p>Clause 15.1 is amended by the addition of the following clause:</p> <p>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) <b>calendar days of commencement date</b></p> <p>Clause 15.2.1 is amended by replacing it with the following clause:</p> <p>Give the <b>contractor</b> possession of the <b>site</b> within ten (10) <b>working days</b> of the <b>contractor</b> complying with the terms of 15.1</p>	<p style="text-align: right;">Fixed                      Item</p> <p style="text-align: right;">Value Related              Item</p> <p style="text-align: right;">Time Related                Item</p>	
16	<p>Access to the works (clause 16)</p>	<p style="text-align: right;">Fixed                      Item</p> <p style="text-align: right;">Value Related              Item</p> <p style="text-align: right;">Time Related                Item</p>	
17	<p>Contract instructions (clause 17)</p>	<p style="text-align: right;">Fixed                      Item</p> <p style="text-align: right;">Value Related              Item</p> <p style="text-align: right;">Time Related                Item</p>	
	<b>Carried Forward</b>		R
	<p>Section No. 1 Bill No. 1 Preliminaries</p>		

	Brought Forward			R
18	<p>Setting out of the works (clause 18)</p> <p><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></p> <p><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></p>	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
19	<p>Assignment (clause 19)</p>	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
20	<p>Nominated sub-contractors (clause 20)</p> <p>Clause 20.0</p> <p>Clause 20.1.3 is amended by replacing it with the following:</p> <p>No Clause</p>	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b>Carried Forward</b>			R
	<p>Section No. 1</p> <p>Bill No. 1</p> <p>Preliminaries</p>			

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

Add Clause 29.9 as follows:

Revision to the date for **practical completion** shall only be considered when work on the critical path of the agreed programme for the works is delayed.”

Add Clause 29.10 as follows:

Clause 29.10 - Acceleration

Clause 29.10.1

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

Clause 29.10.2

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

Clause 29.10.3

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

Fixed

Item

Value Related

Item

Time Related

Item

**Carried Forward**

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	<b>Brought Forward</b>		R
30	<p>Penalty for non-completion (clause 30)</p> <p>Clause 30 is amended by replacing reference to 36.3 at end of sentence with 36.0</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p> <p><b>Payment (A31 - A35)</b></p>	<p>Item</p> <p>Item</p> <p>Item</p>	
31	<p>Interim payment to the contractor (clause 31)</p> <p>Clause 31.9 is amended by replacing "seven (7) <b>calender</b> days" with "thirty (30) <b>calender</b> days" and by deleting the words "subject to the <b>contractor</b> giving the <b>employer</b> 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 <b>employer</b> giving the <b>contractor</b> a tax invoice for the amount due</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	<p>Item</p> <p>Item</p> <p>Item</p>	
32	<p>Adjustment to the contract value (clause 32)</p> <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 <b>contractor</b>"</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	<p>Item</p> <p>Item</p> <p>Item</p>	
33	<p>Recovery of expense and loss (clause 33)</p> <p style="text-align: right;">Fixed</p>	<p>Item</p>	
	<b>Carried Forward</b>		R
	<p>Section No. 1 Bill No. 1 Preliminaries</p>		

	<b>Brought Forward</b>		R
	Value Related	Item	
	Time Related	Item	
34	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) <b>calendar days</b> " with "thirty (30) <b>calendar days</b> " and deleting the words "subject to the <b>employer</b> giving the <b>contractor</b> a tax invoice for the amount due"		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
35	Payment to other parties (clause 35)		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
	<b>Carried Forward</b>		R
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	Brought Forward		R
36	<p><b><u>Cancellation (A36-A39)</u></b></p> <p>Cancellation by employer - contractor's default (clause 36)</p> <p>Clause 36.1 is amended by the additions of the following clauses:</p> <p>36.1.3 refuses or neglects to comply strictly with any of the conditions of contract</p> <p>36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa</p> <p>36.1.5 in the judgement of the <b>employer</b>, has engaged in <b>corrupt</b> or <b>fraudulent practices</b> in competing for or in executing the contract</p> <p>Clause 36.3 is amended by removing the reference to "No clause" and replacing the words "<b>principal agent</b>" with "<b>employer</b>"</p> <p>Clause 36.0 is amended by the addition of the following clause:</p> <p>36.7 Notwithstanding any clause to the contrary, on cancellation of this <b>agreement</b> either by the <b>employer</b> or the <b>contractor</b>; or for any reason whatsoever, the <b>contractor</b> shall on written instruction, discontinue with the <b>works</b> on a date stated and withdraw himself from the <b>site</b>. The <b>contractor</b> shall not be entitled to refuse to withdraw from the <b>works</b> on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>		
	<b>Carried Forward</b>		R
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	Brought Forward		R
37	<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 <b>agreement</b> either by the <b>employer</b> or the <b>contractor</b>; or for any reason whatsoever, the <b>contractor</b> shall on written instruction, discontinue with the <b>works</b> on a date stated and withdraw himself from the <b>site</b>. The <b>contractor</b> shall not be entitled to refuse to withdraw from the <b>works</b> on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p>	<p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	<p style="text-align: right;">Item</p> <p style="text-align: right;">Item</p> <p style="text-align: right;">Item</p>
38	<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 <b>agreement</b> either by the <b>employer</b> or the <b>contractor</b>; or for any reason whatsoever, the <b>contractor</b> shall on written instruction, discontinue with the <b>works</b> on a date stated and withdraw himself from the <b>site</b>. The <b>contractor</b> shall not be entitled to refuse to withdraw from the <b>works</b> on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p>	<p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	<p style="text-align: right;">Item</p> <p style="text-align: right;">Item</p> <p style="text-align: right;">Item</p>
	<b>Carried Forward</b>		R
	<p>Section No. 1 Bill No. 1 Preliminaries</p>		

	<b>Brought Forward</b>		R
39	<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) <b>working days</b> of completion of such report"</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	<p>Item</p> <p>Item</p> <p>Item</p>	
	<b><u>Dispute Settlement (A40)</u></b>		
40	<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> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	<p>Item</p> <p>Item</p> <p>Item</p>	
	<b><u>State Provision (A41)</u></b>		
41	<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 <b>employer</b>, his</p>		
	<b>Carried Forward</b>		
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R

**agents** or **principal agent** on the one hand and the contractors on the other arise out of this **agreement**, such dispute shall be referred to adjudication.

40.2 Adjudication shall be conducted in accordance with the edition of the 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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		Brought Forward		R
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b><u>Contract Variables (A41)</u></b>			
42	The Schedule (clause 42)			
	<i>Tenderers are referred to the Contract Data and Notes to Tenderes for variable pertaining to this contract</i>			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b><u>SECTION B: PRELIMINARIES</u></b>			
	<b><u>Definition and interpretation (B1)</u></b>			
43	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	
		<b>Carried Forward</b>		R
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	<b>Brought Forward</b>		R
	Value Related	Item	
	Time Related	Item	
	<b><u>Documents (B2)</u></b>		
44	Checking of documents (B2.1)		
	<i>These bills of quantities:</i>		
	<i>(1) contain pages and annexes as indexed, and;</i>		
	<i>(2) are in multiple procurement format, i.e. all trades are fully measured with minor budgetary allowances</i>		
	<i>Items in these bills of quantities are to be read and priced in conjunction with and the descriptions regarded as amplified by the Model Preambles for Trades, 2008 edition, as recommended and published by the Association of South African Quantity Surveyors and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained</i>		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
45	Provisional bills of quantities (B2.2)		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
46	Availability of construction documentation (B2.3)		
	<i>The minor budgetary allowances included in this document will be separately procured, based on multiple procurement of selected sub-contractors during the construction period</i>		
	Fixed	Item	
	<b>Carried Forward</b>		R
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		<b>Brought Forward</b>		R
		Value Related	Item	
		Time Related	Item	
47	Interests of agents (B2.4)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
48	Priced documents (B2.5)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
49	Tender submission (B2.6)			
	<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	
		Value Related	Item	
		Time Related	Item	
	<b><u>The site (B3)</u></b>			
50	Defined works area (B3.1)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
51	Geotechnical investigation (B3.2)	Fixed	Item	
		<b>Carried Forward</b>		R
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	<b>Brought Forward</b>			R
	Value Related	Item		
	Time Related	Item		
52	Inspection of the site (B3.3)			
	<i>Tenderers are instructed to familiarise themselves before submission of their tender with regard to the relevant local site conditions, site accessibility, the nature of operations required, availability of labour and any conditions pertaining thereto, together with conditions relating to unloading, carting and storage of materials, equipment and tools required for the works.</i>			
	<i>No claims for extras arising from the contractor having failed to comply with this clause will be entertained</i>			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
53	Existing premises occupied (B3.4)			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
54	Previous work - dimensional accuracy (B3.5)			
	<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>			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
55	Previous work - defects (B3.6)			
	Fixed	Item		
	<b>Carried Forward</b>			R
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		<b>Brought Forward</b>		R
		Value Related	Item	
		Time Related	Item	
56	Services - known (B3.7)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
57	Services - unknown (B3.8)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
58	Protection of trees, etc (B3.9)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
59	Articles of value (B3.10)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
60	Inspection of adjoining properties, etc (B3.11)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
		<b>Carried Forward</b>		R
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	<b>Brought Forward</b>		R
	<b><u>Management of contract (B4)</u></b>		
61	Management of the works (B4.1)		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
62	Programming for the works (B4.2)		
	<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"> <li>1. Shall be prepared and drawn up to comply in all respects with the requirements of this Agreement.</li> <li>2. shall be drawn up using logic developed during the tender period and complies with the planning requirements of the Client.</li> <li>3. shall be in accordance with the dates given herein for possession and practical completion; and</li> <li>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.</li> <li>5. shall be accompanied by a full written method statement</li> </ol> <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</p>		
	<b>Carried Forward</b>		R
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<p style="text-align: center;"><b>Brought Forward</b></p> <p>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 the principal agent on demand.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>Development of the contract programme and method statement</p> <p>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.</p> <p>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.</p> <p>Revisions to the contract programme</p>	R	
<p style="text-align: center;"><b>Carried Forward</b></p> <p>Section No. 1          Bill No. 1          Preliminaries</p>	R	

<p style="text-align: center;"><b>Brought Forward</b></p> <p>Revisions to the contract programme may be introduced periodically by the contractor subject to compliance with the contract completion and handover dates.</p> <p>Providing the required consultation between the relevant parties has highlighted the implications of the required changes, the programming strategy on the project may be changed and the changes noted and specified on logic charts delivered to the principal agent. The changes to the programme will be recorded as firm and binding once the principal agent has sanctioned the said changes.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p><b>Progress Monitoring</b></p> <p>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.</p> <p>The status of each activity must also be reported as follows:</p> <p>Target - If the activity is not complete, the latest predicted completion date shall be supplied.</p> <p>Start - If the activity has commenced, the actual date shall be supplied.</p> <p>Finish - If the activity is complete, the actual completion date shall be supplied.</p>	R	
<p style="text-align: center;"><b>Carried Forward</b></p> <p>Section No. 1 Bill No. 1 Preliminaries</p>	R	



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Problems which may occur during execution of the contract must be specifically identified in progress reports under a separate section of the contractor's report.

Should problems occur during the execution of the contract or the scope of work be increased or decreased, the contractor may be requested to increase the extent or the detail of the programme.

The principal agent may recommend action to be taken by the contractor, including the revision of resource levels, but this information will not be binding on the contractor unless the recommendations are enforced in terms of the conditions of contract by the principal agent and will in no way relieve the contractor's responsibility to comply with the requirements of the Agreement.

**Extension of time**

Any extension of time which is granted by the principal agent will be annotated to affect selected activities in the programme and the associated activities will be incorporated by revisions to the programme by the contractor. Should the additional activities or the extension of time on existing activities fall on a non-critical area of the programme, extension will be limited to the activities affected by the said additional activities or extensions and the contract dates shall not be affected. If, however, the additional activities fall on the critical path, the principal agent shall take this into account when granting any extension of time in terms of the conditions of contract.

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.

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	<p>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.</p> <p>A defective or faulty programme, even if so sanctioned, approved, reviewed or inspected by the principal agent, shall therefore not constitute a cause for granting an extension of time for completion of the works or for entitling the contractor to the payment by the employer in terms of the contract of any loss, compensation or damage whatsoever.</p> <p>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.</p>			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
63	Progress meetings (B4.3)			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
64	Technical meetings (B4.4)			
	Fixed		Item	
	Value Related		Item	
	Time Related		Item	
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		<b>Brought Forward</b>			R
65	Labour and plant records (B4.5)				
		Fixed	Item		
		Value Related	Item		
		Time Related	Item		
	<b><u>Samples, shop drawings and manufacturer's instructions (B5)</u></b>				
66	Samples of materials (B5.1)				
		Fixed	Item		
		Value Related	Item		
		Time Related	Item		
67	Workmanship samples (B5.2)				
		Fixed	Item		
		Value Related	Item		
		Time Related	Item		
68	Shop drawings (B5.3)				
		Fixed	Item		
		Value Related	Item		
		Time Related	Item		
69	Compliance with manufacturer's instructions (B5.4)				
		Fixed	Item		
		Value Related	Item		
		Time Related	Item		
	<b><u>Temporary works and plant (B6)</u></b>				
70	Deposits and fees (B6.1)				
		Fixed	Item		
		<b>Carried Forward</b>			R
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**RENOVATIONS OF MAFEFE EARLY CHILDHOOD DEVELOPMENT**  
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		<b>Brought Forward</b>		R
		Value Related	Item	
		Time Related	Item	
71	Enclosure of the works (B6.2)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
72	Advertising (B6.3)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
73	Plant, equipment, sheds and offices (B6.4)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
74	Main notice board (B6.5)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
75	Subcontractors notice board (B6.6)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
		<b>Carried Forward</b>		R
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		<b>Brought Forward</b>			R
		<b><u>Temporary services (B7)</u></b>			
76	Location (B7.1)				
		Fixed	Item		
		Value Related	Item		
		Time Related	Item		
77	Water (B7.2)				
		Fixed	Item		
		Value Related	Item		
		Time Related	Item		
78	Electricity (B7.3)				
		Fixed	Item		
		Value Related	Item		
		Time Related	Item		
79	Telecommunication facilities (B7.4)				
		Fixed	Item		
		Value Related	Item		
		Time Related	Item		
80	Ablution facilities (B7.5)				
		Fixed	Item		
		Value Related	Item		
		Time Related	Item		
		<b><u>Prime cost amounts (B8)</u></b>			
81	Responsibility for prime cost amounts (B8.1)				
		Fixed	Item		
		<b>Carried Forward</b>			R
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	<b>Brought Forward</b>			R
	Value Related	Item		
	Time Related	Item		
	<b><u>Attendance on nominated and selected subcontractors (B9)</u></b>			
82	General attendance (B9.1)			
	The schedule rates providing for attendance on <b>nominated subcontractors</b> and other <b>contractors</b> , will be adjusted only if the scope of the work has changed			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
83	Special attendance (B9.2)			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
84	Commissioning - Fuel, water and electricity (B9.3)			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
	<b><u>Financial aspects (B10)</u></b>			
85	Statutory taxes, duties and levies (B10.1)			
	<i>Provision is made in the summary of these bills of quantities for the inclusion of Value Added Tax (VAT)</i>			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
	<b>Carried Forward</b>			R
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	<b>Brought Forward</b>			R
86	Payment of preliminaries (B10.2)			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
87	Adjustment of preliminaries (B10.3)			
	Clauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) <b>working days</b> of taking possession of the <b>site</b> " with "when submitting his priced <b>bills of quantities</b> "			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
88	Payment certificate cash flow (B10.4)			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
	<b><u>General (B11)</u></b>			
89	Protection of works (B11.1)			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
90	Protection/isolation of existing/sectionally occupied works(B11.2)			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
	<b>Carried Forward</b>			R
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		<b>Brought Forward</b>		R
91	Site security (B11.3)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
92	Notice before covering work (B11.4)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
93	Disturbance (B11.5)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
94	Enviromental disturbance (B11.6)	Fixed	Item	
		Time Related	Item	
		Value Related	Item	
95	Works cleaning and clearing (B11.7)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
96	Vermin (B11.8)	Fixed	Item	
		Value Related	Item	
		Time Related	Item	
		<b>Carried Forward</b>		R
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		<b>Brought Forward</b>		R
97	Overhand work (B11.9)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
98	Instruction manuals and guarantees (B11.10)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
99	As built information (B11.11)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
100	Tenant installations (B11.12)			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	<b><u>Schedule of variables (B12)</u></b>			
101	Pre-tender information (B12.1)			
	<p>This <b>schedule</b> 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 <b>Preliminaries</b>.</p>			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
		<b>Carried Forward</b>		R
	Section No. 1			
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	Brought Forward	R
12.1.1 <b>Provisional bills of quantities (B12.1.1)</b>  The quantities are provisional:	<b>Yes</b>	
12.1.2 <b>Availability of construction documentation (B12.1.2)</b>  Construction documentation is complete:	<b>Yes</b>	
12.1.3 <b>Interest of agents (B12.1.3)</b>	<b>No</b>	
12.1.4 <b>Defined works area (B12.1.4)</b>  <i>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</i>		
12.1.5 <b>Geotechnical investigation (B12.1.5)</b>  The geotechnical report is available for viewing at the offices of the Principal Agent	<b>Yes</b>	
12.1.6 <b>Existing premises occupied (B12.1.6)</b>  [3.4] Specific requirements: The contractor shall execute the works with as little noise and disturbance as possible		
12.1.6 <b>Existing premises occupied</b>  [3.4] Specific requirements: The contractor shall execute the works with as little noise and disturbance as possible		
12.1.7 Previous work - Dimensional accuracy (B12.1.7) [3.5] Details: No additional details	<b>No</b>	
	<b>Carried Forward</b>	R
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	Brought Forward	R
12.1.8 <b>Previous work - defects</b>		
[3.6] Details: No additional details		
12.1.9 Services - known (B12.1.9)		
<b>Existing services and points of connection are shown on the site plan and/or will be pointed out on site by the principal agent</b>		
12.1.10 <b>Protection of trees</b>		
[3.9] Specific requirements: No trees to be damaged or removed except those specifically designated in writing by the Architect		
12.1.11 <b>Inspection of adjoining properties</b>		
[3.11] Specific requirements: None		
12.1.12 <b>Enclosure of the works</b>		
[6.2] Specific requirements: Areas where work is taking place shall at all times be blocked off by appropriate means		
12.1.13 <b>Offices</b>		
[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.		
	<b>Carried Forward</b>	R
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		R
<b>12.1.14 Main notice board</b>		
[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.		
<b>12.1.15 Subcontractors' notice board</b>		
[6.6] A notice board is required (yes/no) NO Specific requirements:		
<b>12.1.16 Water</b>		
[7.2] Option A (by contractor) (yes/no) YES		
<b>12.1.17 Electricity</b>		
[7.3] Option A (by contractor) (yes/no) YES		
<b>12.1.18 Telecommunications</b>		
[7.4] Telephone (yes/no) YES		
Facsimile (yes/no) YES		
E-mail (yes/no) YES		
	<b>Carried Forward</b>	R
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	Brought Forward	R	
<p>12.1.19 <b>Ablution facilities</b></p>			
<p>[7.5] Option A (by <b>contractor</b>) (yes/no) YES</p>			
<p>Option B (by <b>employer</b>) (yes/no) NO</p>			
<p>12.1.20 <b>Protection of existing/sectionally occupied works</b></p>			
<p>[11.2] Protection is required (yes/no) YES</p>			
<p>12.1.21 <b>Special attendance</b></p>			
<p>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</p>			
<p>[9.2] <b>Subcontractor</b> (1) Details:  <b>Subcontractor</b> (2) Details:  <b>Subcontractor</b> (3) Details:</p>			
<p>12.1.22 <b>Protection of the works</b></p>			
<p>[11.1] Specific requirements: All work that requires protection during construction must be adequately protected up to practical completion by the <b>contractor</b></p>			
<p>12.1.23 <b>Disturbance</b></p>			
<p>[11.5] Specific requirements: The <b>contractor</b> shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the <b>works</b> all necessary temporary dust screens all to the satisfaction of the <b>principal agent</b></p>			
	Carried Forward	R	
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		<b>Brought Forward</b>		R
	12.1.24 <b>Environmental disturbance</b>			
	[11.6] Specific requirements: None			
102	Post-tender information (B12.2)			
	<b>All post-tender information for this section will be determined once tender is awarded</b>			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
	12.2.1 <b>Payment of preliminaries</b>			
	[10.2] Option A (prorated) (yes/no)			
	YES			
	Option B (calculated) (yes/no)			
	NO			
	12.2.2 <b>Adjustment of preliminaries</b>			
	[10.3] Option A (three categories) (yes/no)			
	YES			
	Option B (detailed breakdown) (yes/no)			
	NO			
	12.2.3 <b>Additional agreed preliminaries items</b>			
	Details: None			
103	Other post tender information (B12.3)			
	<b>All post-tender information for this section will be determined once tender is awarded</b>			
		Fixed	Item	
		Value Related	Item	
		Time Related	Item	
		<b>Carried Forward</b>		R
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Brought Forward		R
<b><u>SECTION C: SPECIFIC PRELIMINARIES</u></b>		
<p><b>Section C</b> contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item</p>		
104	<p><b>Clause C1 - Contract drawings</b></p> <p>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 <b>works</b> and the manner in which they are to be executed</p> <p>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 <b>principal agent</b></p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	<p>Item</p> <p>Item</p> <p>Item</p>
105	<p><b>Clause C2 - General Preambles</b></p> <p>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 decriptions of work to be done and materials to be used.</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	<p>Item</p> <p>Item</p> <p>Item</p>
Carried Forward		R
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	Brought Forward		R
106	<p><b>Clause C3 - Site instructions</b></p> <p>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</p> <p>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</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	Item Item Item	
107	<p><b>Clause C4 - Trade Names</b></p> <p>Wherever a trade name for any product has been described in the <b>bills of quantities</b>, 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 <b>principal agent</b> being obtained prior to the closing date for submission of tenders</p> <p>If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	Item Item Item	
	<b>Carried Forward</b>		R
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113	<p><b>Clause C8 - Occupational Health and Safety Act</b></p> <p>The <b>contractor</b> 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).</p> <p>It is required of the <b>contractor</b> to thoroughly study the <b>latest</b> Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the <b>bills of quantities / lump sum document</b>.</p> <p>The <b>contractor</b> 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 <b>principal agent</b>, 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 <b>payment certificate</b> until the <b>contractor</b> provides satisfactory proof of compliance. The <b>contractor</b> shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.</p> <p>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.</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>		
114	<p><b>Clause C9 - Viewing of the school areas</b></p> <p>The <b>site</b> 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 <b>site</b> for tendering purposes</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p>		
	<b>Carried Forward</b>		R
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	<b>Brought Forward</b>		R
	Time Related	Item	
115	<p><b>Clause C10 - Commencement of Works in School Areas</b></p> <p>As the <b>works</b> falls within a school area the <b>contractor</b> must give the Principal or other responsible staff member notice before commencement of the <b>works</b>. Should the <b>contractor</b> fail to make such arrangements, admission to the <b>site</b> may be refused and any additional costs will be for the <b>contractor's</b> account</p>		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
116	<p><b>Clause C11 - Entrance Permits to School Areas</b></p> <p>As the <b>works</b> falls within a school area the <b>contractor</b> 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</p>		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
117	<p><b>Clause C12 - Security Check of Personnel</b></p> <p>The <b>principal agent</b> may require the <b>contractor</b> to have his personnel and workmen, or a certain number of them, security classified</p> <p>In the event of the <b>principal agent</b> requesting the removal of a person or persons from the <b>works</b> for security reasons, the <b>contractor</b> shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the <b>works</b> and the <b>site</b> and/or to any document or information relating to the <b>works</b></p>		
	Fixed	Item	
	<b>Carried Forward</b>		R
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	Brought Forward		R
	Value Related	Item	
	Time Related	Item	
118	<p><b>Clause C13 - HIV/Aids Awareness</b></p> <p>It is required of the <b>contractor</b> 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 <b>bills of quantities</b>. 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</p> <p>The <b>contractor</b> must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the <b>principal agent</b>, 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 <b>payment certificate</b> until the <b>contractor</b> provides satisfactory proof of compliance. The <b>contractor</b> shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment</p>		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
119	<p><b>Clause C13.1 - Awareness Champion</b></p> <p>Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification</p>		
	Fixed	Item	
	Value Related	Item	
	Time Related	Item	
	<b>Carried Forward</b>		R
	<p>Section No. 1 Bill No. 1 Preliminaries</p>		



123	<b>Brought Forward</b>		R		
	<b>Clause C13.5- Monitoring</b>				
	Monitoring HIV/AIDS awareness of workers, providing the <b>principal agent</b> with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the <b>construction period</b> and close out, all in accordance with the HIV/AIDS Specification				
	Fixed Value Related Time Related	Item Item Item			
	<b>Carried to Final Summary</b>		R		
	Section No. 1 Bill No. 1 Preliminaries				

Item No	Quantity	Rate	Amount
<p><b><u>SECTION NO 2</u></b></p> <p><b><u>BILL NO 1</u></b></p> <p><b><u>ALTERATIONS</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>View site</u></p> <p>Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent</p>			
<p><b>Carried Forward</b></p>		R	
<p>Section No. 2 Bill No. 1 Alterations</p>			



	<b>Brought Forward</b>			R
	<p>Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and re-hanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p><b><u>REMOVAL OF EXISTING WORK</u></b></p> <p><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u></p>			
1	Remove and replace ridge cap	m2	18	
	<p><b><u>MAKING GOOD OF FINISHES ETC</u></b></p> <p><u>Making good internal cement plaster</u></p>			
2	Walls in patches	m2	30	
	<p><b><u>Removal of doors, windows, fittings, etc</u></b></p>			
	<b>Carried Forward</b>			R
	<p>Section No. 2 Bill No. 1 Alterations</p>			

		Brought Forward		R
		<u>Removal of doors, windows, fittings etc.</u>		
3		Removal of wooden door size 813 x 2032mm	No	6
		<b><u>SERVICING OF DOORS AND WINDOWS</u></b>		
4		Replace window stays, handles and pegs	No	10
		<b>Carried to Final Summary</b>		R
		Section No. 2		
		Bill No. 1		
		Alterations		

Item No	<b><u>SECTION NO 3</u></b>	Unit	Quantity	Rate	Amount
	<b><u>BILL NO 1</u></b>				
	<b><u>WATERPROOFING</u></b>				
	<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>Waterproofing to roofs with bitumen</u>				
1	To roofs	m2	210		
	<b>Carried Forward to Summary of Section No. 3</b>				R
	Section No. 3 Bill No. 1 Waterproofing				

Item No		Unit	Quantity	Rate	Amount
	<p><b><u>SECTION NO 3</u></b></p> <p><b><u>BILL NO 2</u></b></p> <p><b><u>CARPENTRY AND JOINERY</u></b></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Decorative thermosetting plastic laminate covering</u></p> <p>Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish</p> <p><b><u>DOORS ETC</u></b></p> <p><u>Wrought meranti doors hung to steel frames</u></p>				
1	40mm Single panel stable door 813 x 2032mm high with rebated meeting rails, each leaf of 200mm wide top rail, stiles and bottom rail and 40 x 100mm brace, filled in with 7mm tongued and grooved V-jointed one side vertical boarding with tongued and grooved joints to rails and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-joint	No	6		
	<b>Carried Forward to Summary of Section No. 3</b>				R
	Section No. 3 Bill No. 2 Carpentry and Joinery				

Item No		Unit	Quantity	Rate	Amount
	<p><b><u>SECTION NO 3</u></b></p> <p><b><u>BILL NO 3</u></b></p> <p><b><u>CEILING, PARTITIONS AND ACCESS FLOORING</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Ceilings</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><u>Bulkheads</u></p> <p>Bulkheads are defined as those portions of ceilings which are stepped down from the general ceiling level in a particular room or area and which generally occur along the perimeter. Their purpose is either to conceal services or to create architectural features</p> <p>Bulkheads have only been described as such where they conform to the above definition and where the horizontal or vertical dimensions do not exceed 900mm. Where these dimensions are more than 900mm such portions of ceilings have been included in the appropriate general items of ceilings</p> <p>Unless otherwise described bulkheads shall be deemed to be horizontal along the length</p> <p><u>Steel components</u></p> <p>All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121</p>				
	<b>Carried Forward</b>				R
	<p>Section No. 3 Bill No. 3 Ceilings, Partitions and Access Flooring</p>				

<b>Brought Forward</b>				R
<u>User note</u>				
<i>Circular bulkheads shall be given separately</i>				
<b><u>NAILED-UP CEILINGS</u></b>				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<u>Openings</u>				
<u>6mm Fibre-cement plain ceiling boards with H-profile galvanised steel jointing strips over joints</u>				
1	Ceilings including 38 x 38mm sawn softwood bandering at 450mm centres generally in one direction and 38 x 38mm branders and cross branders at joints and edges of boards	m2	198	
2	Extra over ceiling for 600 x 600mm trap door of 50 x 76mm wrought softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around	No	4	
<u>Gypsum plasterboard cornices</u>				
3	76mm Coved cornices	m	162	
<b>Carried Forward to Summary of Section No. 3</b>				R
Section No. 3				
Bill No. 3				
Ceilings, Partitions and Access Flooring				

Item No		Unit	Quantity	Rate	Amount
	<p><b><u>SECTION NO 3</u></b></p> <p><b><u>BILL NO 4</u></b></p> <p><b><u>IRONMONGERY</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Proprietary items</u></p> <p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p> <p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered</p> <p>On request returnable samples are to be provided to the principal agent for consideration</p> <p><u>Finishes to ironmongery</u></p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:            BS Satin bronze lacquered            CH Chromium plated            SC Satin chromium plated            SE Silver enamelled            GE Grey enamelled            AN Anodised natural            AS Anodised silver            AB Anodised bronze            AG Anodised gold            ABL Anodised black            PB Polished brass            PL Polished and lacquered            PT Epoxy coated            SD Sanded</p> <p><u>User note</u></p>				
	<b>Carried Forward</b>				R
	Section No. 3 Bill No. 4 Ironmongery				

	Brought Forward			R	
<b><u>LOCKS</u></b>					
1	75mm Three lever upright mortice lockset with satin chrome furniture	No	4		
	<p align="center"><b>Carried Forward to Summary of Section No. 3</b></p> <p>Section No. 3 Bill No. 4 Ironmongery</p>			R	



Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO 3</u></b>				
	<b><u>BILL NO 5</u></b>				
	<b><u>METALWORK</u></b>				
	<u>User note</u>				
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
	<u>Descriptions of bolts, anchors, etc</u>				
	Descriptions of bolts shall be deemed to include nuts and washers				
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete				
	Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described				
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres				
	<b><u>WELDED SCREENS,GATES,ETC Steel gates and frames</u></b>				
	<u>Welded screens and gates to ?</u>				
1	Gas cage	No	1		
2	Single gate formed of 40 x 60 x 2mm hollow section framing all round mitred and welded at angles with two 40 x 6mm flat section horizontal intermediate rails with ends welded to framing and with six 19mm diameter rod vertical bars framed through intermediate rails with ends welded to framing (hinges,locking devices,etc,elsewhere): size 900 x 2032 high	No	1		
	<u>Burglar Proofing</u>				
3	Burglar Proofing to residential window size 1400 x 1600mm	No	7		
	<b>Carried Forward to Summary of Section No. 3</b>				R
	Section No. 3				
	Bill No. 5				
	Metalwork				

Item No		Unit	Quantity	Rate	Amount
	<p><b><u>SECTION NO 3</u></b></p> <p><b><u>BILL NO 6</u></b></p> <p><b><u>PLASTERING</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>User Note</u></p> <p><i>The following preambles are to be included only when specifically required by the principal agent</i></p> <p><b><u>GRANOLITHIC</u></b></p> <p><u>Method</u></p> <p>The method to be used shall be either the monolithic method or the bonded method</p> <p><u>Preparation</u></p> <p>For granolithic applied monolithically, the concrete floor shall be swept clean after bleeding of the concrete has ceased and the slab has begun to stiffen; any remaining bleed water shall be removed and the granolithic applied immediately thereafter. For granolithic to be bonded to the floor slab after it has hardened, the slab surface shall be hacked (preferably by mechanical means) until all laitance, dirt, oil, etc is dislodged and swept clean of all loose matter. The slab shall then be wetted and kept damp for at least six hours before applying the granolithic</p> <p><u>Mix</u></p> <p>Granolithic shall attain a compressive strength of at least 41MPa. The coarse aggregate shall comply with SANS 1083 and shall generally be capable of passing a 10mm mesh sieve. Where the thickness of the granolithic exceeds 25mm, the size of the coarse aggregate shall be increased to the maximum size compatible with the thickness of the granolithic</p>				
	<b>Carried Forward</b>				R
	<p>Section No. 3 Bill No. 6 Plastering</p>				

	Brought Forward		R	
<p><u>Panels</u></p> <p>Granolithic shall be laid in panels not exceeding 14m<sup>2</sup> for monolithic finishes, not exceeding 9,5m<sup>2</sup> for bonded finishes and not exceeding 6m<sup>2</sup> for all external granolithic. Wherever possible, panels shall be square but at no time should the length of the panel exceed 1,5 times its width</p> <p>Where possible joints between panels shall be positioned over joints in the floor slab and shall be at least 3mm wide through the full thickness of the finish, separated by strips of wood or fibreboard and finished with V-joints</p> <p><u>Laying</u></p> <p>Monolithic granolithic shall be applied to the partially set slab and thoroughly compacted and lightly wood floated to the required levels</p> <p>Bonded granolithic shall be applied to the slab after applying a 1:1 sand-and-cement slurry brushed over the surface and allowed to partially set before applying the granolithic. The granolithic shall be throughly compacted and lightly wood floated to the required levels</p> <p>After wood floating, the monolithic and bonded granolithic shall remain undisturbed until bleeding has ceased and the surface has stiffened. Any remaining bleed water and laitance shall then be removed and the surface steel trowelled or power floated</p> <p><u>Curing, seasoning and protection</u></p> <p>Granolithic shall be covered with clean hessian with waterproof building foil over and kept wet for at least seven days after laying</p> <p><u>Colour</u></p> <p>Coloured granolithic shall be tinted with an approved colouring pigment mixed into a true and even colour</p>				
<p><b><u>INTERNAL PLASTER</u></b></p> <p><u>Cement plaster steel trowelled, on brickwork</u></p> <p>1 on walls</p>		m2	45	
<p><b>Carried Forward to Summary of Section No. 3</b></p> <p>Section No. 3 Bill No. 6 Plastering</p>			R	



Item No		Unit	Quantity	Rate	Amount
	<p><b><u>SECTION NO 3</u></b></p> <p><b><u>BILL NO 8</u></b></p> <p><b><u>PLUMBING AND DRAINAGE (PROVISIONAL?)</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Wire gratings</u></p> <p>Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings</p> <p><u>Stormwater channels</u></p> <p>Descriptions of channels shall be deemed to include necessary excavation, surface preparation, compaction, etc, and disposal of surplus material on site</p> <p><u>French drains</u></p> <p>Descriptions of french drains shall be deemed to include excavation, stone filling graded from 300mm diameter at bottom to 75mm diameter at top, "2" geofabric filter blanket over stone, 300mm earthfilling over and disposal of surplus material on site</p> <p><u>Septic tanks</u></p> <p>Descriptions of proprietary type 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 and disposal of surplus material on site</p>				
	<b>Carried Forward</b>				R
	<p>Section No. 3 Bill No. 8 Plumbing and Drainage</p>				

<p style="text-align: center;"><b>Brought Forward</b></p> <p><u>Stainless steel basins, sinks, wash troughs, urinals, etc</u></p> <p>Stainless steel for economy basins, domestic sinks and worktops shall be Type 430 (17/0)</p> <p>Stainless steel for urinals, basins, quality sinks, wash troughs, institutional equipment, etc shall be Type 304 (18/8)</p> <p>Stainless steel for laboratory sinks, photographic equipment, etc shall be Type 316 (18/8)</p> <p>Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable</p> <p><u>Sealing of edges</u></p> <p>Outer edges of sinks, basins, baths, urinals, etc are to be sealed against adjacent surfaces with approved silicone</p> <p><u>uPVC pipes and fittings</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings</p> <p><u>uPVC pressure pipes and fittings</u></p> <p>Pipes of 50mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings</p> <p>Pipes of 63mm 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</p> <p><u>High density polyethylene (HDPe) pipes and fittings</u></p> <p>Pipes shall be type IV and of the class specified with "Plasson" or "Alprene" compression fittings</p>			R	
<p style="text-align: center;"><b>Carried Forward</b></p> <p>Section No. 3 Bill No. 8 Plumbing and Drainage</p>			R	

<p style="text-align: right;"><b>Brought Forward</b></p> <p><u>"Polycop" polypropylene pipes</u></p> <p>Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with "Fast-fuse" heat welded thermoplastic or where so described "Polylock" compression fittings</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><u>Copper pipes</u></p> <p>Pipes shall be hard drawn and half-hard "Maksal" pipes of the class described. 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</p> <p>Copper pipes are to be installed in accordance with the latest revision of the Code of Practice for Copper Plumbing soldering techniques. Flux, solder, etc to be strictly in accordance with the manufacturer's requirements with special attention to copper flux composition</p> <p><u>Reducing fittings</u></p> <p>Where fittings have reducing ends or branches they are described as "reducing" and 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</p> <p><u>Fixing of pipes</u></p> <p>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</p>			R	
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 3 Bill No. 8 Plumbing and Drainage</p>			R	

<p style="text-align: right;"><b>Brought Forward</b></p> <p><u>Paper wrapping to pipes</u></p> <p>Pipes chased into brickwork must be wrapped with two layers of stout brown paper tied with wire. Rates are to include for wrapping around joints and fittings</p> <p><u>Disinfection of water pipework</u></p> <p>Water pipework is to be disinfected at completion in accordance with SABS 1200L (provision for disinfection elsewhere)</p> <p><u>"Densyl" petrolatum anti-corrosion tape as manufactured by Denso SA (Pty) Ltd.</u></p> <p>Pipes to be taped shall be coated with the appropriate primer and the tape shall be applied in the appropriate widths and with 75% overlaps</p> <p>Couplings and fittings to pipes shall be taped in strict accordance with the manufacturer's instructions including mastic, tape, "Layflat" sheeting, securing of same, etc</p> <p>Prices for wrapping of pipes shall include for all work as described to couplings in the length</p> <p><u>Laying, backfilling, bedding, etc of pipes</u></p> <p>Pipes shall be laid and bedded in accordance with manufacturers' instructions and trenches shall be carefully backfilled</p>			R	
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 3 Bill No. 8 Plumbing and Drainage</p>			R	



<p style="text-align: right;"><b>Brought Forward</b></p> <p>Where no manufacturers' instructions exist, pipes shall be laid in accordance with Clauses 5.1 and 5.2 of each of the following:  SABS 1200L : Medium-pressure pipelines  SABS 1200LD : Sewers  SABS 1200LE: Stormwater drainage</p> <p>Pipe trenches, etc shall be backfilled in accordance with Clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB : Earthworks (Pipe trenches)</p> <p>Pipes shall be bedded in accordance with Clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200LB : Bedding (Pipes)</p> <p>Unless otherwise described bedding of rigid pipes shall be Class B bedding</p> <p><u>General</u></p> <p>Descriptions of cast iron roof outlets shall be deemed to include joints to pipes and casting into concrete (adaptors for joints to PVC pipes, etc are given separately)</p> <p>Descriptions of overflow pipes where measured in number, shall be deemed to include joints to cisterns and splay cut ends</p> <p>Descriptions of pipes laid in and including trenches and of inspection chambers, catchpits, etc shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 95% Mod AASHTO density and disposal of surplus material on site</p> <p>Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc and to steel pipes (adaptors for connections to copper pipes, etc are given separately)</p> <p>Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured)</p>			R	
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 3  Bill No. 8  Plumbing and Drainage</p>			R	

	<b>Brought Forward</b>			R
	<p><u>As-built drawings</u></p> <p>Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere)</p>			
1	Junior (Kids) close-coupled toilet pan	No	6	
	<p><b><u>FIRE APPLIANCES ETC</u></b></p>			
2	5kg "2" dry chemical powder fire extinguisher	No	3	
	<b>Carried Forward to Summary of Section No. 3</b>			R
	Section No. 3			
	Bill No. 8			
	Plumbing and Drainage			



Item No	<b><u>SECTION NO 3</u></b>	Unit	Quantity	Rate	Amount
	<b><u>BILL NO 10</u></b>				
	<b><u>GLAZING</u></b>				
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
	<u>Float glass</u>				
	The term "float glass" is used for monolithic annealed glass				
	<b><u>GLAZING TO STEEL WITH PUTTY</u></b>				
	<u>3mm Clear float glass</u>				
1	Panes not exceeding 0,1m2	m2	1		
	<b>Carried Forward to Summary of Section No. 3</b>				R
	Section No. 3 Bill No. 10 Glazing				

Item No		Unit	Quantity	Rate	Amount
	<p><b><u>SECTION NO 3</u></b></p> <p><b><u>BILL NO 11</u></b></p> <p><b><u>PAINTWORK</u></b></p> <p><b><u>PREPARATORY WORK TO EXISTING WORK</u></b></p> <p><u>Previously painted plastered surfaces</u></p> <p>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p> <p><u>Previously painted metal surfaces</u></p> <p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p> <p><u>Previously painted wood surfaces</u></p> <p>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p> <p><b><u>COLOURS</u></b></p> <p>Unless otherwise described all paintwork on ceilings shall be deemed to be in the " white" colour group and paintwork on all other components shall be deemed to be in the "pastel" colour group in accordance with the Natural Colour System (NCS) adopted by the SA National Standards</p> <p><b><u>PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK</u></b></p> <p><b><u>ON INTERNAL FLOATED PLASTER SURFACES</u></b></p>				
	<b>Carried Forward</b>				R
	<p>Section No. 3 Bill No. 11 Paintwork</p>				

	<b>Brought Forward</b>			R
1	<u>One coat low odour premium quality highly washable and stain resistant acrylic emulsion paint, on work in sound condition</u> Walls	m2	346	
	<b><u>ON EXTERNAL FLOATED PLASTER SURFACES</u></b>			
2	<u>Two coats extremely durable UV-resistant washable pure acrylic emulsion sheen paint with teflon, on work in poor condition</u> Walls	m2	268	
	<b><u>ON METAL SURFACES</u></b>			
	<u>Spot priming bare metal surfaces, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint, on work in poor condition</u>			
3	Door frames	m2	23	
4	Windows	m2	22	
5	On steel gates	m2	8	
	<b><u>ON WOOD SURFACES</u></b>			
	<u>Spot priming bare wood surfaces, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint, on work in poor condition</u>			
6	Doors	m2	23	
	<b>Carried Forward to Summary of Section No. 3</b>			R
	Section No. 3			
	Bill No. 11			
	Paintwork			

Bill No	<u>SECTION SUMMARY - BUILDING</u>	Page No		Amount
1	Waterproofing	68		
2	Carpentry and Joinery	69		
3	Ceilings, Partitions and Access Flooring	61		
4	Ironmongery	63		
5	Metalwork	64		
6	Plastering	66		
7	Tiling	67		
8	Plumbing and Drainage	73		
9	Electrical Work	74		
10	Glazing	75		
11	Paintwork	77		
	<b>Carried to Final Summary</b>		R	
	Section No. 3			

Section No	<u>FINAL SUMMARY</u>	Page No	Amount
1	PRELIMINARIES	54	-----
2	ALTERATIONS	57	-----
3	BUILDING	78	-----
	MAFEFE ECD Sub total (VAT excl.) CARRIED TO CLUSTER SUMMARY		R
	<b>Carried to Final Cluster Summary</b>		R

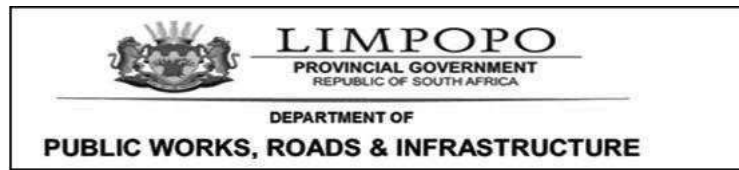


# **FINAL CLUSTER SUMMARY - CLUSTER 1**

**CLUSTER FINAL SUMMARY**

**REPAIRS AND MAINTENANCE OF EARLY CHILDHOOD DEVELOPMENT CENTRES THREE (3) MAHLODI CRECHE, EMPILWENI CRECHE AND KHUTSANG CRECHE IN SEKHUKHUNE DISTRICT AND ONE (1) MAFEFE CENTRAL CRECHE IN CAPRICORN DISTRICT FOR THE LIMPOPO DEPARTMENT OF EDUCATION**

		<b>Amount</b>	
		<b>R</b>	<b>c</b>
1	MAHLODI CRECHE –FINAL SUMMARY (VAT EXCL.)		
2	EMPILWENI CRECHE – FINAL SUMMARY (VAT EXCL.)		
3	KHUTSANG CRECHE – FINAL SUMMARY (VAT EXCL.)		
4	MAFEFE CENTRAL CRECHE – FINAL SUMMARY (VAT EXCL.)		
	 SUB TOTAL A- CLUSTER 1 ECD'S	 R	
	 <b><u>VALUE ADDED TAX</u></b>		
	Allow 15% of Sub-Total A	R	
	 <b><u>TOTAL CARRIED TO FORM OF TENDER</u></b>	 R	

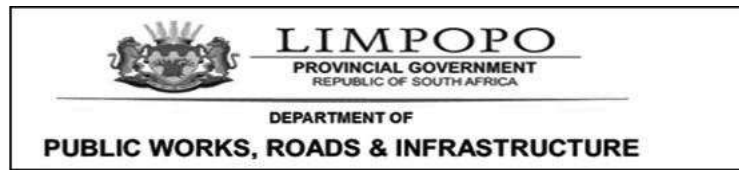


## **PART C3.1: SPECIAL NOTES TO BIDDERS**

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.

**CLUSTER 1  
REPAIRS AND MAINTENANCE OF EARLY CHILDHOOD DEVELOPMENT CENTRES THREE (3) MAHLODI  
CRECHE, EMPILWENI CRECHE AND KHUTSANG CRECHE IN SEKHUKHUNE DISTRICT AND ONE (1)  
MAFEFE CENTRAL CRECHE IN CAPRICORN DISTRICT FOR THE LIMPOPO DEPARTMENT OF  
EDUCATION  
CONTRACT No. LDPWRI-B/20388**



- 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 Directors '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 Directors 's certified copy of South African ID as proof)
  - VII. South African owned enterprises – (Attach Directors 's certified copy of South African ID as proof + company registration documents)