

## **SECTION 1**

### **PRELIMINARIES AND GENERAL**

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION 1</u></b></p> <p><b><u>BILL NO. 1</u></b></p> <p><b><u>PRELIMINARIES AND GENERAL</u></b></p> <p><b><u>PRELIMINARIES</u></b></p> <p><b><u>BUILDING AGREEMENT AND PRELIMINARIES</u></b></p> <p>The JBCC Preliminaries Code 2103, May 2005 edition for use with the JBCC Principal Building Agreement Edition 4.1 Code 2101, March 2005 as prepared by the Joint Building Contract Committee shall be the applicable building agreement, amended as hereinafter described</p> <p>The ASAQS Preliminaries published by the Association of South African Quantity Surveyors for use with the said JBCC Principal Building Agreement shall be deemed to be incorporated in these bills of quantities</p> <p>Contractor's are referred to the abovementioned documents for the full intent and meaning of each clause thereof.</p> <p>These clauses are hereinafter referred to by clause number and heading only. Where standard clauses or alternatives are not entirely applicable to this contract, such modifications, corrections or supplements as will apply are given under each relevant clause heading and such modifications, corrections or supplements shall take precedence notwithstanding anything contrary contained in the above-mentioned documents</p> <p>Where any item is not relevant to this specific contract such item is marked N/A, signifying "not applicable"</p> <p><b><u>PRICING OF PRELIMINARIES</u></b></p> <p>Should Option A, as set out in Clause B 10.3.1 hereinafter be used for the adjustment of the preliminaries then each item priced is to be allocated to one or more of the three categories; Fixed, Value Related or Time Related and the respective amounts entered in the spaces provided under each item</p>			
	Carried Forward		R	
	<p>Bill No. 1</p> <p>Preliminaries</p> <p><b>SECTION 1 - PRELIMINARIES AND GENERAL</b></p> <p><b>KGAUHELO PRIMARY SCHOOL</b></p>			

Brought Forward

R

Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities

### **PREAMBLES FOR TRADES**

The Model Preambles for Trades (2008 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained

Supplementary preambles are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the said Model Preambles

The contractor's prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the said Model Preambles and in any supplementary preambles

### **SECTION A - JBCC PRINCIPAL BUILDING AGREEMENT**

#### **DEFINITIONS**

#### **A1 DEFINITIONS AND INTERPRETATION**

Clause 1.0

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 Period**" is amended by replacing it with the following:

"**CONSTRUCTION PERIOD**" means the period commencing on the date that possession of the site is given to the contractor and ending on the date of practical completion

Carried Forward

R

Bill No. 1  
Preliminaries

**SECTION 1 - PRELIMINARIES AND GENERAL  
KGAUHELO PRIMARY SCHOOL**

	<b>Brought Forward</b>		R	
	<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>(a) In respect of interest owed by the employer, the interest rate as determined by the Minister of Justice and Constitutional Development, from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No. 55 of 1975), will apply; and</p> <p>(b) in respect of interest owed to the <b>employer</b>, the interest 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), will apply.</p> <p>Clause 1.6.4 is amended by replacing it with the following:</p> <p>No clause</p>			
1	<p>F:..... V:.....</p> <p>T:.....</p> <p><b><u>OBJECTIVE AND PREPARATION</u></b></p> <p><b><u>A2 OFFER, ACCEPTANCE AND PERFORMANCE</u></b></p> <p>Clause 2.0</p>	Item		
2	<p>F:..... V:.....</p> <p>T:.....</p> <p><b><u>A3 DOCUMENTS</u></b></p> <p>Clause 3.0</p>	Item		
	<b>Carried Forward</b>		R	
	<p>Bill No. 1</p> <p>Preliminaries</p> <p><b>SECTION 1 - PRELIMINARIES AND GENERAL</b></p> <p><b>KGAUHELO PRIMARY SCHOOL</b></p>			

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<p>Clause 3.7 is amended by the addition of the following:</p> <p>The contractor shall supply and keep a copy of the JBCC Series 2000 Principal Building Agreement and Preliminaries applicable to this contract on the site, to which the employer, principal agent and agents shall have access at all times</p>		
3	<p>F:..... V:..... T:.....</p> <p><b><u>A4 DESIGN RESPONSIBILITY</u></b></p> <p>Clause 4.0</p>	Item
4	<p>F:..... V:..... T:.....</p> <p><b><u>A5 EMPLOYERS AGENTS</u></b></p> <p>Clause 5.0</p> <p>Clause 5.1.2 is amended to include clauses 32.6.3, 34.3 and 34.4</p>	Item
5	<p>F:..... V:..... T:.....</p> <p><b><u>A6 SITE REPRESENTATIVE</u></b></p> <p>Clause 6.0</p>	Item
6	<p>F:..... V:..... T:.....</p> <p><b><u>A7 COMPLIANCE WITH REGULATIONS</u></b></p> <p>Clause 7.0</p>	Item
Carried Forward		R
<p>Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL</b> <b>KGAUHELO PRIMARY SCHOOL</b></p>		

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<p>Note: The provisions herein include inter alia, compliance with all the requirements, without limiting the generality of the provisions of Clause 7.0, the contractor's attention is drawn to the provisions of the Construction Regulations, 2014 issued in terms of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) and in particular with Regulation 7(1)(a) requiring the compilation of a health and safety plan, as well as Regulation 8(5) requiring the appointment of a Construction Health and Safety Officer, the necessary documented health and safety specifications for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specifications</p>		
7	<p>F:..... V:..... T:.....</p> <p><b><u>A8 WORKS RISK</u></b></p> <p>Clause 8.0</p>	Item
8	<p>F:..... V:..... T:.....</p> <p><b><u>A9 INDEMNITIES</u></b></p> <p>Clause 9.0</p>	Item
9	<p>F:..... V:..... T:.....</p> <p><b><u>A10 WORKS INSURANCES</u></b></p> <p>Clause 10.0</p> <p>Clause 10.0 is amended by the addition of the following clauses:</p>	Item
Carried Forward		R
<p>Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL</b> <b>KGAUHELO PRIMARY SCHOOL</b></p>		

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**10.5 Damage to the Works**

( a ) Without in any way limiting the **contractors** 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

(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

Carried Forward

R

Bill No. 1

Preliminaries

**SECTION 1 - PRELIMINARIES AND GENERAL**  
**KGAUHELO PRIMARY SCHOOL**

<p style="text-align: right;"><b>Brought Forward</b></p> <p>(c) The <b>contractor</b> shall, upon receiving a <b>contract instruction</b> from the <b>principal agent</b>, cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the <b>employer</b> shall be entitled to cause it to be made good and to recover the cost thereof from the <b>contractor</b> or to deduct the same from amounts due to the <b>contractor</b></p> <p>(d) The <b>contractor</b> shall be responsible for the protection and safety of such portions of the premises placed under his control by the <b>employer</b> for the purpose of executing the <b>works</b> until the issue of the <b>certificate of practical completion</b></p> <p>(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 <b>contractor</b> shall and will remain adequately insured or insured 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 <b>works</b> has been completed</p> <p>(f) The <b>contractor</b> 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 <b>works</b></p> <p><b>10.7 High risk insurance</b></p> <p>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:</p> <p style="text-align: right;"><b>Carried Forward</b></p> <p>Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL</b> <b>KGAUHELO PRIMARY SCHOOL</b></p>		R	
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<p style="text-align: right;"><b>Brought Forward</b></p> <p><b>10.7.1 Damage to the works</b></p> <p>The <b>contractor</b> shall, from the commencement <b>date</b> of the <b>works</b> until the date of the <b>certificate of practical completion</b> bear the full risk of and hereby indemnifies and holds harmless the <b>employer</b> against any damage to and/or destruction of the <b>works</b> consequent upon a catastrophic ground movement as mentioned above. The <b>contractor</b> shall take such precautions and security measures and other steps for the protection of the <b>works</b> as he may deem necessary</p> <p>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's own costs</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>contractors</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>		R	
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL</b> <b>KGAUHELO PRIMARY SCHOOL</b></p>		R	

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<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>contractors</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>		
10	<p>F:..... V:..... T:.....</p> <p><b><u>A11 LIABILITY INSURANCES</u></b></p> <p>Clause 11.0</p>	Item
11	<p>F:..... V:..... T:.....</p> <p><b><u>A12 EFFECTING INSURANCES</u></b></p> <p>Clause 12.0</p>	Item
12	<p>F:..... V:..... T:.....</p> <p><b><u>A13 ASSIGNMENT</u></b></p> <p>Clause 13.0</p>	Item
13	<p>F:..... V:..... T:.....</p> <p><b><u>A14 SECURITY</u></b></p> <p>Clause 14.0</p> <p>Clauses 14.1 - 14.8 are amended by replacing them with the following:</p>	Item
Carried Forward		R
<p>Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL</b> <b>KGAUHELO PRIMARY SCHOOL</b></p>		

<p style="text-align: right;"><b>Brought Forward</b></p> <p>14.1 In respect of contracts with a <b>contract sum</b> up to R1 million, the <b>security</b> to be submitted by the <b>contractor</b> to the <b>employer</b> will be as a payment reduction of five per cent (5%) of the value certified in the <b>payment certificate</b> (excluding VAT)</p> <p>14.1.1 The payment reduction of the value certified in a <b>payment certificate</b> shall be <i>mutatis mutandi</i> in terms of 31.8(A)</p> <p>14.1.2 The <b>employer</b> shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the <b>employer</b> complies with the provisions of 33.4 in which event the <b>employers</b> entitlement shall take precedence over his obligations to refund the payment reduction security or portions thereof to the <b>contractor</b></p> <p>14.2 In respect of contracts with a <b>contract sum</b> above R1 million, the <b>contractor</b> shall have the right to select the <b>security</b> to be provided in terms of 14.3, 14.4, 14.5, 14.6, or 14.7 as stated in the <b>schedule</b>. Such <b>security</b> shall be provided to the <b>employer</b> within twenty-one (21) <b>calendar days</b> from <b>commencement date</b>. Should the <b>contractor</b> fail to select the <b>security</b> to be provided or should the <b>contractor</b> fail to provide the <b>employer</b> with the selected <b>security</b> within twenty-one (21) <b>calendar days</b> from <b>commencement date</b>, the <b>security</b> in terms of 14.7 shall be deemed to have been selected.</p> <p>14.3 Where <b>security</b> as a cash deposit of ten per cent (10%) of the <b>contract sum</b> (excluding VAT) has been selected:</p> <p>14.3.1 The <b>contractor</b> shall furnish the <b>employer</b> with a cash deposit equal in value to ten per cent (10%) of the <b>contract sum</b> (excluding VAT) within twenty-one (21) <b>calendar days</b> from <b>commencement date</b></p> <p>14.3.2 Within twenty-one (21) <b>calendar days</b> of the date of <b>practical completion</b> of the <b>works</b> the <b>employer</b> shall reduce the cash deposit to an amount equal to three per cent (3%) of the <b>contract value</b> (excluding VAT), and refund the balance to the <b>contractor</b></p>		R	
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL</b> <b>KGAUHELO PRIMARY SCHOOL</b></p>		R	

<p style="text-align: right;"><b>Brought Forward</b></p> <p>14.3.3 Within twenty-one (21) <b>calendar days</b> of the date of <b>final completion</b> of the <b>works</b> the <b>employer</b> shall reduce the cash deposit to an amount equal to one per cent (1%) of the <b>contract value</b> (excluding VAT) and refund the balance to the <b>contractor</b></p> <p>14.3.4 On the date of payment of the amount in the final <b>payment certificate</b>, the <b>employer</b> shall refund the remainder of the cash deposit to the <b>contractor</b></p> <p>14.3.5 The <b>employer</b> shall be entitled to recover expense and loss from the cash deposit in terms of 33.0 provided that the <b>employer</b> complies with the provisions of 33.4 in which event the <b>employers</b> entitlement shall take precedence over his obligations to refund the cash deposit <b>security</b> or portions thereof to the <b>contractor</b></p> <p>14.3.6 The parties expressly agree that neither the <b>employer</b> nor the <b>contractor</b> shall be entitled to cede the rights to the deposit to any third party</p> <p>14.4 Where <b>security</b> as a variable construction guarantee of ten percent (10%) of the <b>contract sum</b> (excluding VAT) has been selected:</p> <p>14.4.1 The <b>contractor</b> shall furnish the <b>employer</b> with an acceptable variable construction guarantee equal in value to ten per cent (10%) of the <b>contract sum</b> (excluding VAT) within twenty-one (21) <b>calendar days</b> from <b>commencement date</b></p> <p>14.4.2 The variable construction guarantee shall reduce and expire in terms of the Variable Construction Guarantee form included in the invitation to tender</p> <p>14.4.3 The <b>employer</b> shall return the variable construction guarantee to the <b>contractor</b> within fourteen (14) <b>calendar days</b> of it expiring</p> <p>14.4.4 Where the <b>employer</b> has a right of recovery against the <b>contractor</b> in terms of 33.0, the <b>employer</b> shall issue a written demand in terms of the variable construction guarantee</p>		R	
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL</b> <b>KGAUHELO PRIMARY SCHOOL</b></p>		R	

<p style="text-align: right;"><b>Brought Forward</b></p> <p>14.5 Where <b>security</b> as a fixed construction guarantee of five per cent (5%) of the <b>contract sum</b> (excluding VAT) and a five per cent (5%) payment reduction of the value certified in the payment certificate (excluding VAT) has been selected:</p> <p>14.5.1 The <b>contractor</b> shall furnish a fixed construction guarantee to the <b>employer</b> equal in value to five per cent (5%) of the <b>contract sum</b> (excluding VAT)</p> <p>14.5.2 The fixed construction guarantee shall come into force on the date of issue and shall expire on the date of <b>practical completion</b></p> <p>14.5.3 The <b>employer</b> shall return the fixed construction guarantee to the <b>contractor</b> within fourteen (14) <b>calendar days</b> of it expiring</p> <p>14.5.4 The payment reduction of the value certified in a <b>payment certificate</b> shall be in terms of 31.8 (A) and 34.8</p> <p>14.5.5 Where the <b>employer</b> has a right of recovery against the <b>contractor</b> in terms of 33.0, the <b>employer</b> shall be entitled to issue a written demand in terms of the fixed construction guarantee or may recover from the payment reduction or may do both</p> <p>14.6 Where <b>security</b> as a cash deposit of five per cent (5%) of the <b>contract sum</b> (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the <b>payment certificate</b> (excluding VAT) has been selected:</p> <p>14.6.1 The <b>contractor</b> shall furnish the <b>employer</b> with a cash deposit equal in value to five per cent (5%) of the <b>contract sum</b> (excluding VAT) within twenty-one (21) <b>calendar days</b> from <b>commencement date</b></p> <p>14.6.2 Within twenty-one (21) <b>calendar days</b> of the date of <b>practical completion</b> of the <b>works</b> the <b>employer</b> shall refund the cash deposit in total to the <b>contractor</b></p> <p style="text-align: right;"><b>Carried Forward</b></p> <p>Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL</b> <b>KGAUHELO PRIMARY SCHOOL</b></p>		R	
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14	<p style="text-align: right;"><b>Brought Forward</b></p> <p>14.6.3 The payment reduction of the value certified in a <b>payment certificate</b> shall be <i>mutatis mutandi</i> in terms of 31.8(A)</p> <p>14.6.4 Where the <b>employer</b> has a right of recovery against the <b>contractor</b> in terms of 33.0, the <b>employer</b> may issue a written notice in terms of 33.4 or may recover from the payment reduction or may do both</p> <p>14.7 Where <b>security</b> as a payment reduction of ten per cent (10%) of the value certified in the <b>payment certificate</b> (excluding VAT) has been selected:</p> <p>14.7.1 The payment reduction of the value certified in a <b>payment certificate</b> shall be <i>mutatis mutandi</i> in terms of 31.8(B)</p> <p>14.7.2 The <b>employer</b> shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the <b>employer</b> complies with the provisions of 33.4 in which event the <b>employers</b> entitlement shall take precedence over his obligations to refund the payment reduction or portions thereof to the <b>contractor</b></p> <p>14.8 Payments made by the guarantor to the <b>employer</b> in terms of the fixed or variable construction guarantee shall not prejudice the rights of the <b>employer</b> or <b>contractor</b> in terms of this <b>agreement</b></p> <p>14.9 Should the <b>contractor</b> fail to furnish the <b>security</b> in terms of 14.2, the <b>employer</b>, in his sole discretion and without notification to the <b>contractor</b>, is entitled to change the <b>contractors</b> selected form of <b>security</b> to that of a ten per cent (10%) payment reduction of the value certified in the payment certificate (excluding VAT), whereafter 14.7 shall be applicable</p> <p>F:..... V:..... T:.....</p> <p><b><u>EXECUTION</u></b></p> <p style="text-align: right;"><b>Carried Forward</b></p> <p>Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL</b> <b>KGAUHELO PRIMARY SCHOOL</b></p>	Item	R	

Brought Forward		R	
<b><u>A15 PREPARATION FOR AND THE EXECUTION OF THE WORKS</u></b>			
Clause 15.0			
Clause 15.1.1 is amended by replacing it with:			
No Clause			
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), Construction Regulations 2014 as per Government notice within twenty-one (21) <b>calendar days</b> of <b>commencement date</b>			
Clause 15.2.1 is amended by replacing it with the following clause:			
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 15.1.2 and 15.1.4			
15	F:..... V:..... T:.....	Item	
<b><u>A16 ACCESS TO THE WORKS</u></b>			
Clause 16.0			
16	F:..... V:..... T:.....	Item	
<b><u>A17 CONTRACT INSTRUCTIONS</u></b>			
Clause 17.0			
17	F:..... V:..... T:.....	Item	
Carried Forward		R	
Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

	<b>Brought Forward</b>		R
	<b>A18    SETTING OUT OF THE WORKS</b>		
	Clause 18.0  Setting Out Of The Works (Clause 18) 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.		
18	F:..... V:..... T:.....	Item	
	<b>A19    ASSIGNMENT</b>		
	Clause 19.0		
19	F:..... V:..... T:.....	Item	
	<b>A20    NOMINATED SUB CONTRACTORS</b>		
	Clause 20.0  Clause 20.1.3 is amended by replacing it with the following:  No Clause  Note: See item B9.1 hereinafter for adjustment of attendance on nominated subcontractors executing work allowed for under provisional sums		
20	F:..... V:..... T:.....	Item	
	<b>A21    SELECTED SUBCONTRACTORS</b>		
	Clause 21.0  Clause 21 is amended by replacing it with:  No Clause		
21	F:..... V:..... T:.....	Item	
	<b>Carried Forward</b>		R
	Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL</b> <b>KGAUHELO PRIMARY SCHOOL</b>		



Brought Forward			R
<b><u>A22 EMPLOYERS DIRECT CONTRACTORS</u></b>			
Clause 22.0			
22	F:..... V:..... T:.....	Item	
<b><u>A23 CONTRACTORS DOMESTIC SUBCONTRACTOR</u></b>			
Clause 23.0			
23	F:..... V:..... T:.....	Item	
<b><u>COMPLETION</u></b>			
<b><u>A24 PRACTICAL COMPLETION</u></b>			
Clause 24.0			
24	F:..... V:..... T:.....	Item	
<b><u>A25 WORKS COMPLETION</u></b>			
Clause 25.0			
25	F:..... V:..... T:.....	Item	
<b><u>FINAL COMPLETION</u></b>			
Clause 26.0			
26	F:..... V:..... T:.....	Item	
<b><u>A27 LATENT DEFECTS LIABILITY PERIOD</u></b>			
Clause 27.0			
27	F:..... V:..... T:.....	Item	
Carried Forward			R
Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL KGAUHELO PRIMARY SCHOOL</b>			

		<b>Brought Forward</b>			R
		<b><u>A28 SECTIONAL COMPLETION</u></b>			
		Clause 28.0			
28	F:..... V:..... T:.....		Item		
		<b><u>A29 REVISION OF DATE FOR PRACTICAL COMPLETION</u></b>			
		Clause 29.0			
		Revision of Date for Practical Completion (Clause 29) The removal and replacement of materials and/or workmanship which do not conform to specification or drawing shall not constitute grounds for the extension of the construction period nor the adjustment of contract value (Clause 29.3)			
29	F:..... V:..... T:.....		Item		
		<b><u>PENALTY FOR NON COMPLETION</u></b>			
		Clause 30.0			
30	F:..... V:..... T:.....		Item		
		<b><u>PAYMENT</u></b>			
		Clause 31.0			
		The inclusion of materials and goods stored off site in the amount authorized for payment in terms of Clause 31.4 shall be at the sole discretion of the Principal Agent and such inclusion shall only be considered upon the provision, by the contractor, of an approved guarantee issued by a registered commercial bank. Clause 31.6.5 is therefore not applicable.			
		<b>Carried Forward</b>			R
		Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL KGAUHELO PRIMARY SCHOOL</b>			

<p style="text-align: right;"><b>Brought Forward</b></p> <p>Clause 31.8 is amended by replacing it with the following two alternative clauses:</p> <p><b>Alternative A</b></p> <p>31.8(A) Where a <b>security</b> is selected in terms of 14.1; 14.5 or 14.6, the value of the <b>works</b> in terms of 31.4.1 and <b>materials and goods</b> in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:</p> <p>31.8(A).1 Ninety-five per cent (95%) of such value in interim <b>payment certificates</b> issued up to the date of <b>practical completion</b></p> <p>31.8(A).2 Ninety-seven per cent (97%) of such value in interim <b>payment certificates</b> issued on the date of <b>practical completion</b> and up to but excluding the date of <b>final completion</b></p> <p>31.8(A).3 Ninety-nine per cent (99%) of such value in interim <b>payment certificates</b> issued on the date of <b>final completion</b> and up to but excluding the final <b>payment certificate</b> in terms of 34.6</p> <p>31.8(A).4 One hundred per cent (100%) of such value in the final <b>payment certificate</b> in terms of 34.6 except where the amount certified is in favour of the <b>employer</b>. In such an event the payment reduction shall remain at the adjustment level applicable to the final <b>payment certificate</b></p>		R	
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL</b> <b>KGAUHELO PRIMARY SCHOOL</b></p>		R	

	<b>Brought Forward</b>		R
	<b>Alternative B</b>		
	31.8(B) Where <b>security</b> is a payment reduction in terms of 14.7 the value of the <b>works</b> in terms of 31.4.1 and <b>materials and goods</b> in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:		
	31.8(B).1 Ninety per cent (90%) of such value in interim <b>payment certificates</b> issued up to the date of <b>practical completion</b>		
	31.8(B).2 Ninety-seven per cent (97%) of such value in interim <b>payment certificates</b> issued on the date of <b>practical completion</b> and up to but excluding the date of <b>final completion</b>		
	31.8(B).3 Ninety-nine per cent (99%) of such value in interim <b>payment certificates</b> issued on the date of <b>final completion</b> and up to but excluding the final <b>payment certificate</b> in terms of 34.6		
	31.8(B).4 One hundred per cent (100%) of such value in the final <b>payment certificate</b> in terms of 34.6 except where the amount certified is in favour of the <b>employer</b> . In such an event the payment reduction shall remain at the adjustment level applicable to the final <b>payment certificate</b>		
	31.9 is amended by replacing "twenty-one (21) calendar days" with thirty (30) calendar days		
	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		
31	F:..... V:..... T:.....	Item	
	<b><u>A32 ADJUSTMENT TO THE CONTRACT VALUE</u></b>		
	Clause 32.0		
	<b>Carried Forward</b>		R
	Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL</b> <b>KGAUHELO PRIMARY SCHOOL</b>		

	<b>Brought Forward</b>		R
	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> "		
32	F:..... V:..... T:.....	Item	
	<b><u>A33 RECOVERY OF EXPENSE AND LOSS</u></b>		
	Clause 33.0		
	Clause 33.2 is amended by adding the following clauses:		
	33.2.9 the <b>contractors</b> failure or neglect to commence with the <b>works</b> on the dates prescribed in the contract		
	33.2.10 the <b>contractors</b> failure or neglect to proceed with the <b>works</b> in terms of the contract		
	33.2.11 the <b>contractors</b> failure or neglect for any reason to complete the <b>works</b> in accordance with the contract		
	33.2.12 the <b>contractors</b> refusal or neglect to comply strictly with any of the conditions of contract or any <b>contract instructions</b> and/or orders in writing given in terms of the contract		
	33.2.13 the <b>contractors</b> estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa		
33	F:..... V:..... T:.....	Item	
	<b><u>A34 FINAL ACCOUNT AND FINAL PAYMENT</u></b>		
	Clause 34.0		
	<b>Carried Forward</b>		R
	Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL KGAUHELO PRIMARY SCHOOL</b>		

	<b>Brought Forward</b>		R	
	Clause 34.13 is amended by replacing seven (7) <b>calendar days</b> with twenty-one (21) <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			
34	F:..... V:..... T:.....	Item		
	<b><u>A35 PAYMENT TO OTHER PARTIES</u></b>			
	Clause 35.0			
35	F:..... V:..... T:.....	Item		
	<b><u>CANCELLATION</u></b>			
	<b><u>A36 CANCELLATION BY EMPLOYER - CONTRACTORS DEFAULT</u></b>			
	Clause 36.0			
	Clause 36.3 is amended by removing the reference to No clause and replacing the words <b>principal agent</b> with <b>employer</b>			
	Clause 36.0 is amended by the addition of the following clause:			
	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			
36	F:..... V:..... T:.....	Item		
	<b>Carried Forward</b>		R	
	Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

	<p style="text-align: right;"><b>Brought Forward</b></p> <p><b><u>A37 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE</u></b></p> <p>Clause 37.0</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>37 F:..... V:..... T:.....</p> <p><b><u>A38 CANCELLATION BY CONTRACTOR - EMPLOYERS DEFAULT</u></b></p> <p>Clause 38.0</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>38 F:..... V:..... T:.....</p> <p><b><u>A39 CESSATION - CANCELLATION OF THE WORKS</u></b></p> <p>Clause 39.0</p> <p style="text-align: right;"><b>Carried Forward</b></p> <p>Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL KGAUHELO PRIMARY SCHOOL</b></p>	<p style="text-align: center;">Item</p> <p style="text-align: center;">Item</p>	<p style="text-align: center;">R</p>	
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	<b>Brought Forward</b>		R	
39	F:..... V:..... T:.....	Item		
	<b><u>A40 DISPUTE SETTLEMENT</u></b>			
	Clause 40.0			
	Clause 40.2.2 is amended by replacing one (1) year with three (3) years			
	Clause 40.6 is amended by removing the reference to:			
	No clause			
	Clause 40.7.1 is amended by replacing (10) with (15) and by the addition of the following:			
	Whether or not mediation resolves the dispute, the parties shall bear their own cost concerning the mediation and equally share the costs of the mediator and related costs			
40	F:..... V:..... T:.....	Item		
	<b><u>SUBSTITUTE PROVISIONS</u></b>			
	<b><u>A41 STATE CLAUSES</u></b>			
	Clause 41.0			
41	F:..... V:..... T:.....	Item		
	<b><u>THE SCHEDULE</u></b>			
	Information necessary for completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder			
	Pre-tender information (clause 42)			
	<b>Carried Forward</b>		R	
	Bill No. 1 Preliminaries			
	<b>SECTION 1 - PRELIMINARIES AND GENERAL</b>			
	<b>KGAUHELO PRIMARY SCHOOL</b>			



	<b>Brought Forward</b>		R	
42	F:..... V:..... T:.....	Item		
	<b>Clause 42.0</b>			
	Tenderers are referred to document C1.2: Contract Data for variables pertaining to this contract			
43	F:..... V:..... T:.....	Item		
	<b><u>SECTION B - PRELIMINARIES</u></b>			
	<b><u>DEFINITIONS AND INTERPRETATION</u></b>			
	<b><u>Definitions and Interpretation</u></b>			
44	F:..... V:..... T:.....	Item		
	<b><u>DOCUMENTS</u></b>			
	Checking of Documents			
45	F:..... V:..... T:.....	Item		
	Provisional bills of quantities			
46	F:..... V:..... T:.....	Item		
	Availability of construction documentation			
47	F:..... V:..... T:.....	Item		
	Interests of Agents			
	<b>Carried Forward</b>		R	
	Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL KGAUHELO PRIMARY SCHOOL</b>			

Brought Forward		R
48	F:..... V:..... T:.....	Item
	Priced documents	
49	F:..... V:..... T:.....	Item
	Tender submission	
	Clause 2.6 is amended by replacing JBCC Form of Tender with "Form of Offer / Tender" included in the returnable schedules	
50	F:..... V:..... T:.....	Item
	<b><u>THE SITE</u></b>	
	Defined works area	
51	F:..... V:..... T:.....	Item
	Geotechnical investigation	
52	F:..... V:..... T:.....	Item
	Inspection of the site	
	Tenderers shall complete the Site INspection Certificate included in the tender documents and return the same with the tender submission	
53	F:..... V:..... T:.....	Item
	Existing premises occupied	
Carried Forward		R
	Bill No. 1 Preliminaries	
	<b>SECTION 1 - PRELIMINARIES AND GENERAL</b>	
	<b>KGAUHELO PRIMARY SCHOOL</b>	

Brought Forward			R
54	F:..... V:..... T:.....	Item	
	Previous work dimensional accuracy		
55	F:..... V:..... T:.....	Item	
	Previous work defects		
56	F:..... V:..... T:.....	Item	
	Services known		
57	F:..... V:..... T:.....	Item	
	Services unknown		
58	F:..... V:..... T:.....	Item	
	Protection of trees		
59	F:..... V:..... T:.....	Item	
	Articles of value		
60	F:..... V:..... T:.....	Item	
	Inspection of adjoining properties		
61	F:..... V:..... T:.....	Item	
Carried Forward			R
Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

		Brought Forward		R	
		<b><u>MANAGEMENT OF CONTRACT</u></b>			
		Management of the works			
62	F:..... V:..... T:.....		Item		
		Programme for the works			
63	F:..... V:..... T:.....		Item		
		Progress meetings			
64	F:..... V:..... T:.....		Item		
		Technical meetings			
65	F:..... V:..... T:.....		Item		
		Labour and plant records			
66	F:..... V:..... T:.....		Item		
		<b><u>SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u></b>			
		Samples of Materials			
67	F:..... V:..... T:.....		Item		
		Workmanship Samples			
68	F:..... V:..... T:.....		Item		
		Carried Forward		R	
		Bill No. 1 Preliminaries			
		<b>SECTION 1 - PRELIMINARIES AND GENERAL KGAUHELO PRIMARY SCHOOL</b>			

Brought Forward			R
	Shop Drawings		
69	F:..... V:..... T:.....	Item	
<b><u>TEMPORARY WORKS AND PLANT</u></b>			
	Deposits and Fees		
70	F:..... V:..... T:.....	Item	
	Enclosure of the works		
71	F:..... V:..... T:.....	Item	
	Advertising		
72	F:..... V:..... T:.....	Item	
	Plant, equipment, sheds and offices		
73	F:..... V:..... T:.....	Item	
	Main notice board		
74	F:..... V:..... T:.....	Item	
	Subcontractors notice board		
75	F:..... V:..... T:.....	Item	
Carried Forward			R
Bill No. 1 Preliminaries			
<b>SECTION 1 - PRELIMINARIES AND GENERAL</b>			
<b>KGAUHELO PRIMARY SCHOOL</b>			

	Brought Forward		R
	<b><u>TEMPORARY SERVICES</u></b>		
	Location		
76	F:..... V:..... T:.....	Item	
	Water		
77	F:..... V:..... T:.....	Item	
	Electricity		
78	F:..... V:..... T:.....	Item	
	Telecommunication facilities		
79	F:..... V:..... T:.....	Item	
	Ablution facilities		
80	F:..... V:..... T:.....	Item	
	<b><u>PRIME COST AMOUNTS</u></b>		
	Responsibility for Prime Cost Amounts		
81	F:..... V:..... T:.....	Item	
	<b><u>ATTENDANCE ON N/S SUBCONTRACTORS</u></b>		
	General attendance		
	<b>Carried Forward</b>		R
	Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL KGAUHELO PRIMARY SCHOOL</b>		

Brought Forward			R
The schedule rates providing for attendance on nominated subcontractors and other contractors, will be adjusted only if the scope of works has changed			
82	F:..... V:..... T:.....	Item	
Special attendance			
83	F:..... V:..... T:.....	Item	
Commissioning, fuel, water and electricity			
84	F:..... V:..... T:.....	Item	
<b><u>FINANCIAL ASPECTS</u></b>			
Statutory taxes, duties and levies			
85	F:..... V:..... T:.....	Item	
Payment for preliminaries			
86	F:..... V:..... T:.....	Item	
Adjustment of preliminaries			
87	F:..... V:..... T:.....	Item	
Payment certificate cash flow			
88	F:..... V:..... T:.....	Item	
Carried Forward			R
Bill No. 1 Preliminaries			
<b>SECTION 1 - PRELIMINARIES AND GENERAL</b>			
<b>KGAUHELO PRIMARY SCHOOL</b>			

Brought Forward		R
<b><u>GENERAL</u></b>		
Protection of the Works		
89	F:..... V:..... T:.....	Item
Protection / Isolation of Existing / Sectionally Occupied Works		
90	F:..... V:..... T:.....	Item
Security of the Works		
91	F:..... V:..... T:.....	Item
Notice Before Covering Work		
92	F:..... V:..... T:.....	Item
Disturbance		
93	F:..... V:..... T:.....	Item
Environmental Disturbance		
94	F:..... V:..... T:.....	Item
Works Cleaning and Clearing		
95	F:..... V:..... T:.....	Item
Vermin		
Carried Forward		R
Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL KGAUHELO PRIMARY SCHOOL</b>		



[illegible]

<p style="text-align: right;"><b>Brought Forward</b></p> <p>This schedule contains all variables referred to in this document and is divided into pre-tender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of these Preliminaries.</p> <p>Spaces requiring information must be filled in, shown as not applicable or deleted and not left blank. Where choices are offered, the non-applicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross-referenced to the applicable clause of the schedule. Key cross reference clauses are italicised in [ ] brackets</p> <p><b><u>12.1 PRE TENDER INFORMATION</u></b></p> <p><b>12.1.1 Provisional Bills of Quantities</b>  <i>[2.2] The quantities are provisional</i></p> <p><b>12.1.2 Availability of construction documentation</b>  <i>[2.3] Construction of documentation is complete</i>  YES</p> <p><b>12.1.3 Interest of agents</b>  <i>[2.4] Details: None</i></p> <p><b>12.1.4 Defined works area</b>  <i>[3.1] Details: Restrictions will be pointed out at the site inspection</i></p> <p><b>12.1.5 Geotechnical investigation</b>  <i>[3.2] Details: N/A</i></p> <p><b>12.1.6 Existing premises occupied</b>  <i>[3.4] Specific requirements: N/A</i></p> <p><b>12.1.7 Previous work - dimensional accuracy</b>  <i>[3.5] Details:</i></p> <p><b>12.1.8 Previous work - defects</b>  <i>[3.6] Details:</i></p> <p><b>12.1.9. Services - known</b>  <i>[3.7] Details: Existing services and points of connection will be pointed out on site by the principal agent</i></p> <p style="text-align: right;"><b>Carried Forward</b></p> <p>Bill No. 1  Preliminaries  <b>SECTION 1 - PRELIMINARIES AND GENERAL</b>  <b>KGAUHELO PRIMARY SCHOOL</b></p>		R	
		R	

<p style="text-align: right;"><b>Brought Forward</b></p> <p>12.1.10 <b>Protection of trees</b> [3.9] Specific requirements:</p> <p>12.1.11 <b>Inspection of adjoining properties</b> [3.11] Specific requirements:</p> <p>12.1.12 <b>Enclosure of the works</b> [6.2} Specific requirements:</p> <p>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.</p> <p>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.</p> <p>12.1.15 <b>Subcontractors' notice board</b> [6.6] Specific requirements:</p> <p style="text-align: right;">NO</p> <p>12.1.16 <b>Water</b> [7.2} Option A (by contractor)</p> <p style="text-align: right;">YES</p> <p>Option B (by employer - free of charge)</p> <p style="text-align: right;">NO</p> <p>Option C (by employer - metered)</p> <p style="text-align: right;">NO</p> <p style="text-align: right;"><b>Carried Forward</b></p>		R	
<p>Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL</b> <b>KGAUHELO PRIMARY SCHOOL</b></p>		R	

<b>Brought Forward</b>		R	
12.1.17 <b>Electricity</b>			
[7.3] Option A (by contractor)	YES		
Option B (by employer - free of charge)	NO		
Option C (by employer - metered)	NO		
12.1.18 <b>Telecommunications</b>			
[7.4] Telephone	YES		
Facsimile	YES		
E-mail	YES		
12.1.19 <b>Ablution facilities</b>			
[7.5] Option A (by contractor)	YES		
Option B (by employer)	NO		
12.1.20 <b>Protection of existing/sectionally occupied works</b>			
[11.2] Protection is required	YES		
12.1.21 <b>Special attendance</b>			
[9.2] N/A			
12.1.22 <b>Protection of works</b>			
[11.1] Specific requirements:			
12.1.23 <b>Disturbance</b>			
[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 <b>Environmental disturbance</b>			
[11.6] Specific requirements:			
<b>Carried Forward</b>		R	
Bill No. 1			
Preliminaries			
<b>SECTION 1 - PRELIMINARIES AND GENERAL</b>			
<b>KGAUHELO PRIMARY SCHOOL</b>			

	Brought Forward		R
	<b><u>12.2 POST-TENDER INFORMATION</u></b>		
	12.2.1 <b><i>Payment of preliminaries</i></b>		
	[10.2] Option A (prorated)	YES/NO	
	Option B (calculates)	YES/NO	
	12.2.2 <b><i>Adjustment of preliminaries</i></b>		
	[10.3] Option A (three categories)	YES/NO	
	Option B (detailed breakdown)	YES/NO	
	12.2.3 <b><i>Additional agreed preliminaries items</i></b>		
	Details:		
	<b><u>SECTION C - SPECIFIC PRELIMINARIES</u></b>		
	Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item		
	<b><u>C1 CONTRACT DRAWINGS</u></b>		
	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		
	Should any part of the drawings not be clearly intelligible to the tenderer he shall, before submitting his tender, obtain clarification in writing from the <b>principal agent</b>		
102	F:..... V:..... T:.....	Item	
	Carried Forward		R
	Bill No. 1 Preliminaries		
	<b>SECTION 1 - PRELIMINARIES AND GENERAL</b>		
	<b>KGAUHELO PRIMARY SCHOOL</b>		

	<b>Brought Forward</b>		R
	<b><u>C2 MODEL PREAMBLES FOR TRADES PREAMBLES</u></b>		
	The 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 as recommended and published by the Association of South African Quantity Surveyors, 1997 edition, and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained		
103	F:..... V:..... T:.....	Item	
	<b><u>C3 TRADE NAMES</u></b>		
	Wherever a trade name for any product has been described in the <b>bills of quantities</b> , the tenderers 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		
104	F:..... V:..... T:.....	Item	
	<b><u>C4 OCCUPATIONAL HEALTH AND SAFETY</u></b>		
	Allowance to be made under this clause for compliance with all requirements of the occupational health and safety act and regulations		
105	F:..... V:..... T:.....	Item	
	<b>Health &amp; Safety (clause C15)</b>		
	<b>Carried Forward</b>		R
	Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL KGAUHELO PRIMARY SCHOOL</b>		

106	<p style="text-align: center;"><b>Brought Forward</b></p> <p>The Contractor shall allow for Health and Safety according to the Occupational Health and Safety Act, 1993, Construction Regulations 2014 as per Government Notice. Contractor to include all OHS requirements such as PPE, safety file, training, medicals, signage, safety officer and covid regulations</p> <p><b><u>Occupational Health and Safety Act</u></b></p> <p><b><u>The contractor shall comply with all the requirements set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) It is required of the contractor to thoroughly study the 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 Employer, 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, as well as the clauses that follow hereafter and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced under these clauses and no additional claims in this regard shall be entertained</u></b></p> <p>F:..... V:..... T:.....</p> <p style="text-align: center;"><b>Carried Forward</b></p> <p>Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL</b> <b>KGAUHELO PRIMARY SCHOOL</b></p>	Item	R	
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	Brought Forward		R	
	<u>The contractor shall also comply with the additional requirements with regard to the Coronavirus pandemic in terms of all Covid-19 legislation, regulations and guidelines. It is explicitly pointed out that all requirements of the aforementioned are deemed to be priced under this clause and the specific related clauses hereafter and no additional claims in this regard shall be entertained</u>			
107	F:..... V:..... T:.....	Item		
	<u>Provision of reflective vests</u>			
108	F:..... V:..... T:.....	Item		
	<u>Principal contractor's initial obligations in respect of the Health and Safety Act, Construction Regulations and Covid-19 regulations, etc</u>			
109	F:..... V:..... T:.....	Item		
	<u>Principal contractor's time related obligations in respect of the Health and Safety Act, Construction Regulations and Covid-19 regulations, etc</u>			
110	F:..... V:..... T:.....	Item		
	<u>Provision of personal protective equipment (PPE)</u>			
	<u>Provision of reflective vests</u>			
111	F:..... V:..... T:.....	Item		
	<u>Provision of hard hats</u>			
112	F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL</b> <b>KGAUHELO PRIMARY SCHOOL</b>			



		<b>Brought Forward</b>			R
		<b><u>Provision of protective footwear</u></b>			
113	F:..... V:..... T:.....		Item		
		<b><u>Provision of earplugs</u></b>			
114	F:..... V:..... T:.....		Item		
		<b><u>Provision of dust masks</u></b>			
115	F:..... V:..... T:.....		Item		
		<b><u>Provision of gloves</u></b>			
116	F:..... V:..... T:.....		Item		
		<b><u>Provision of high visibility overalls to SARTSM Chapter 13 Level 3</u></b>			
117	F:..... V:..... T:.....		Item		
		<b><u>Provision of SANS approved ear defenders</u></b>			
118	F:..... V:..... T:.....		Item		
		<b><u>Provision of face masks (Covid -19)</u></b>			
119	F:..... V:..... T:.....		Item		
		<b><u>Provision of face shields (Covid -19)</u></b>			
120	F:..... V:..... T:.....		Item		
		<b>Carried Forward</b>			R
	Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL KGAUHELO PRIMARY SCHOOL</b>				

	Brought Forward		R	
	<b><u>Provision of gloves (Covid -19)</u></b>			
121	F:..... V:..... T:.....	Item		
	<b><u>Provision of hand sanitiser (min 70% alchohol), foot press stands and paper towels (Covid -19)</u></b>			
122	F:..... V:..... T:.....	Item		
	<b><u>Occupational Health and Safety</u></b>			
	<b><u>Provision of covered refuse bins and refuse bags and waste (including hazardous) management (Covid -19)</u></b>			
123	F:..... V:..... T:.....	Item		
	<b><u>Provision of digital infrared non-contact body thermometer (Covid -19, minimum of two per site entrance)</u></b>			
124	F:..... V:..... T:.....	Item		
	<b><u>Provision of perspex screens for office staff (Covid - 19, minimum size 600 x 500mm)</u></b>			
125	F:..... V:..... T:.....	Item		
	<b><u>Provision of signage, including Covid -19 related signage</u></b>			
126	F:..... V:..... T:.....	Item		
	<b><u>Provision of full time construction health and safety officer (SACPCMP Registered)</u></b>			
127	F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL KGAUHELO PRIMARY SCHOOL</b>			

	Brought Forward		R	
	<b><u>Medical certificates and medical surveillance including initial (baseline) medical examinations, periodic examinations, and exit examinations</u></b>			
128	F:..... V:..... T:.....	Item		
	<b><u>Medical screenings, examinations, etc in terms of Covid-19 regulations</u></b>			
129	F:..... V:..... T:.....	Item		
	<b><u>Induction training, including Covid-19 training</u></b>			
130	F:..... V:..... T:.....	Item		
	<b><u>Provision of first aid boxes to GSR requirements</u></b>			
131	F:..... V:..... T:.....	Item		
	<b><u>Noise monitoring including establishment of noise zones (plant), audiograms (personnel), etc</u></b>			
132	F:..... V:..... T:.....	Item		
	<b><u>Submission of health and safety file</u></b>			
133	F:..... V:..... T:.....	Item		
	<b><u>HIV/AIDS Awareness</u></b>			
	<b><u>It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document. Provision for pricing of HIV/AIDS awareness is made under items 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.</u></b>			
	Carried Forward		R	
	Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL KGAUHELO PRIMARY SCHOOL</b>			

	Brought Forward		R	
	<p><u>The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the Employer, notwithstanding the provisions of clause A 31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment</u></p>			
134	<p>F:..... V:..... T:.....</p> <p><b><u>Awareness Campaign</u></b></p> <p><b><u>Selection, appointment, briefing and making available of an Awareness Campaign including provision of all relevant services, all in accordance with the HIV/AIDS Specification</u></b></p>	Item		
135	<p>F:..... V:..... T:.....</p> <p><b><u>Awareness workshops</u></b></p> <p><b><u>Selection and appointment of a competent Service Provider approved by the Employer, 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</u></b></p>	Item		
136	<p>F:..... V:..... T:.....</p> <p><b><u>Posters, booklets, videos etc</u></b></p>	Item		
	Carried Forward		R	
	<p>Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL KGAUHELO PRIMARY SCHOOL</b></p>			

	Brought Forward	R	
	Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period, all in accordance with the HIV/AIDS Specification		
137	F:..... V:..... T:.....	Item	
	<u>Access to condoms</u>		
	Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period, all in accordance with the HIV/AIDS Specification		
138	F:..... V:..... T:.....	Item	
	<u>Monitoring</u>		
	Monitoring HIV/AIDS awareness of workers, providing the Employer 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		
139	F:..... V:..... T:.....	Item	
	<u>SUMMARY OF CATEGORIES</u>		
140	Category: Fixed F:.....	Item	
141	Category: Value V:.....	Item	
142	Category: Time T:.....	Item	
	Carried to Summary		R
	Bill No. 1 Preliminaries <b>SECTION 1 - PRELIMINARIES AND GENERAL KGAUHELO PRIMARY SCHOOL</b>		

SECTIONAL SUMMARY		Page No	Amount
1	Preliminaries	44	
Sub Total carried forward to Final Summary			R
SECTION 1 - PRELIMINARIES AND GENERAL KGAUHELO PRIMARY SCHOOL			

## **SECTION 2**

### **REPAIRS AND MAINTENANCE WORKS**

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION 2</u></b>  <b><u>BILL NO. 1</u></b>  <b><u>ALTERATIONS</u></b>  <b><u>(PROVISIONAL)</u></b></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>View site</u></b>  Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials 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><b><u>Explosives</u></b>  No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><b><u>General</u></b>  Water supply pipes and other piping in ground 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>Unless otherwise described all materials are to become the property of the contractor and are to be removed from the site</p>			
	Carried Forward		R	
	Bill No. 1 Alterations <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			



<p style="text-align: center;"><b>Brought Forward</b></p> <p>Doors, fanlights, windows, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately</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</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>NOTE</u></b></p> <p>The Contractor is advised to visit the site prior to pricing the following items in order to ascertain the exact nature and full extent of the works as no liability whatsoever shall be accepted as a result of brevity of descriptions.</p> <p><b>All dimensional descriptions are to be treated as approximate</b></p> <p><b>The Contractor shall, in all cases, allow for disposal of materials arising from demolition and alteration works. This shall apply even if it is not expressly provided for on the description of an item</b></p>		R	
<p style="text-align: center;"><b>Carried Forward</b></p> <p>Bill No. 1 Alterations <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS KGAUHELO PRIMARY SCHOOL</b></p>		R	

Brought Forward			R
<p><b>Demolition of brick walls shall be deemed to include removal and carting away sundry items existing within the walls to be demolished except for doors, door frames and window frames which are elsewhere measured.</b></p> <p>The Contractor will be held responsible for and is to make good at his own expense any damage caused to the existing remaining structures and surrounding buildings and all work not to be removed during the progress of the works and also to any fittings, etc., and is to leave all perfect and watertight on completion, cover and protect as necessary</p> <p><b><u>REMOVAL OF EXISTING WORK</u></b></p> <p><b><u>Breaking up and removing mass concrete</u></b></p>			
1	Average 120mm thick surface bed	m2	950
<p><b><u>Breaking down and removing brickwork etc</u></b></p>			
2	Half brick walls (Loose brickwork)	m2	2
<p><b><u>Taking out and removing doors, windows etc from brickwork, including all ironmongery, thresholds, sills etc, and making good cement plaster on both sides, where required</u></b></p>			
3	Single door and frame not exceeding 2.5m2	No	13
4	Glazed windows not exceeding 2.5m2	No	50
<p><b><u>Taking down and removing roofs, floors, panelling, ceilings, partitioning etc</u></b></p>			
5	Timber roofing structure complete including all sheeting, timber members, insulation, fixings etc complete (Measured flat on plan)	m2	2,356
6	Roof coverings, insulation etc	m2	1,775
7	Gypsum plasterboard ceilings including all cornices and preparing the existing brandering etc for new ceilings (elsewhere measured)	m2	1,404
Carried Forward			R
<p>Bill No. 1 Alterations <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b></p>			

Brought Forward			R
8	Drywall or similar partitioning 2800mm high, including doors etc	m	6
	<b><u>Taking down and removing sundry joinery works, fittings etc</u></b>		
9	Timber skirtings plugged, including quarter round timber etc	m	859
10	Fibre cement (or similar) fascia and barge boards	m	784
11	Timber shelving to Block B2 Storeroom	Item	
12	Timber shelving to Block C1 Storeroom	Item	
13	Timber cupboard doors to Block C2 Classroom	Item	
	<b><u>Taking up and removing vinyl floor coverings, carpeting etc and preparing screeds for new floor coverings</u></b>		
14	Vinyl tile floor coverings	m2	1,503
	<b><u>Hacking up / off and removing granolithic, screeds, plaster etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes etc</u></b>		
15	Average 30mm screed from floors	m2	931
	<b><u>Hacking up/off and removing ceramic tiles including removing the mortar bed / adhesive from concrete or brickwork and preparing surfaces for new screed, plaster, tile finish etc</u></b>		
16	Tiles to floors	m2	75
17	Tiles to walls	m2	9
18	Tile skirtings 100mm high	m	159
Carried Forward			R
Bill No. 1 Alterations <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS KGAUHELO PRIMARY SCHOOL</b>			

Brought Forward			R
<b><u>Taking out and removing piping, sanitary fittings etc including disconnecting piping from fittings and making good floor and wall finishes if required (making good paintwork and tiling elsewhere measured)</u></b>			
19	Vitreous china wash hand basin, including any mirrors above	No	1
20	Vitreous china WC pan and cistern	No	4
21	Vitreous china urinal	No	1
22	Stainless steel sink	No	1
23	Stainless steel wash hand basin	No	3
24	Stainless steel urinals	No	1
<b><u>Taking out and removing sundry ironmongery</u></b>			
25	Pinning boards	No	16
<b><u>Taking out and removing piping, rainwater disposal items, including all fixings etc</u></b>			
26	Eaves gutters	m	583
27	Rainwater downpipes	No	42
<b><u>Taking out and removing sundry steelworks</u></b>			
28	Balustrades, handrails etc complete including all necessary fixings	m	17
<b><u>REPAIRING CRACKS TO CONCRETE FLOORS</u></b>			
Carried Forward			R
Bill No. 1 Alterations <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS KGAUHELO PRIMARY SCHOOL</b>			

Brought Forward			R
<b><u>Remedial works as per Engineering specifications</u></b>			
29	Groove open cracks in surface beds, slabs etc to form a "V" Groove. Remove all debris using a wire brush pr pressure washer if required. Clean and dry surface around the crack, Repair / stitch using an approved cementitious non shrink grout or structural mortar mix, ensuring that the grout fills deep into the crack. Brush the surface smooth to match the texture of the existing surface allowing the grout / mortar to cure, as per Engineering specifications and Manufacturer's instructions	m	44
30	Ream out the top 15mm of joints in surface beds, slabs etc, remove all debris using a wire brush or pressure washer if required. Clean and dry surface around the crack, install an approved UV resistant polysulphide sealant ensuring that the sealant fills deep into the opening. Brush the surface smooth to match the texture of the existing surface allowing the sealant to cure, as per Engineering specifications and Manufacturer's instructions	m	22
<b><u>REPAIRING CRACKS TO BRICK WALLS</u></b>			
<b><u>Remedial works as per Engineering specifications</u></b>			
31	Groove open cracks in walls vertically and/or diagonally above/below windows and doors etc to form a "V" Notch. Remove all debris using a wire brush pr pressure washer if required. Clean and dry surface around the crack, Saw cut the "V" Grooves perpendicular to the crack length and epoxy R8 bars in grooves at 250mm centres over the crack length. Fill with approved cementitious non shrink grout or structural mortar mix using mesh reinforcement Ref 100. Brush the surface smooth allowing the grout / mortar to cure, as per Engineering specifications and Manufacturer's instructions	m	201
<b><u>BUILDING UP OPENINGS</u></b>			
Carried Forward			R
Bill No. 1 Alterations <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS KGAUHELO PRIMARY SCHOOL</b>			

Brought Forward			R
<b><u>Sundries</u></b>			
32	Cutting toothings and bonding new brickwork to existing brickwork (rate only)	m2	3
<b><u>PREPARATORY WORK TO EXISTING SURFACES</u></b>			
<b><u>Existing brick walls (plastered, painted / face brickwork)</u></b>			
33	Cleaning of all walls, piers, posts etc with sugar soap or a similar approved method (As per Architectural specifications)	Item	
34	Treat all areas of mould and fungal growth by applying a coat of micro-organism treatment biocide as per Manufacturer's instructions. Prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	m2	2,023
<b><u>Existing floors</u></b>			
35	Preparing screeds using a "Pavelite" or similar compound to create a sound, smooth and level surface in accordance with SANS (As per Architectural specifications) in preparation for new finishes (elsewhere measured)	m2	1,578
36	Preparing screeds and / or existing external floor surfaces (including such to stairs, landings etc) to create a sound, level surface in accordance with SANS (As per Architectural specifications)	m2	60
<b><u>Existing Windows</u></b>			
37	Block A & B1: Type T1 size 1270mm x 480mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	48
Carried Forward			R
Bill No. 1 Alterations <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS KGAUHELO PRIMARY SCHOOL</b>			

Brought Forward			R
38	Block A & B1: Type T2 size 1590mm x 1420mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	64
39	Block B1 & B2: Type T1 size 1590mm x 480mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	8
40	Block C2 & D: Type T1 size 1100mm x 1200mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	48
41	Block C2 & D: Type T2 size 1100mm x 420mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	36
42	Block E: Type T1 size 1300mm x 520mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	5
43	Block E: Type T2 size 1350mm x 380mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	2
44	Block E: Type T3 size 280mm x 450mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	2
Carried Forward			R
Bill No. 1 Alterations <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

Brought Forward			R
45	Block E: Type T4 size 1280mm x 1420mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	4
46	Block H&I: Type T1 size 1500mm x 650mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	4
47	Block H&I: Type T2 size 520mm x 600mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	28
<b><u>Existing Doors</u></b>			
48	External single doors approximate size 900mm x 2100mm high - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	36
49	External gates to the above single doors - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	36
50	Internal single doors approximate size 900mm x 2100mm high - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	40
<b><u>MAKING GOOD OF FINISHES</u></b>			
Carried Forward			R
Bill No. 1 Alterations <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			



Brought Forward			R
<b><u>Making good brickwork</u></b>			
51	Making good brickwork where loose bricks were removed	m2 2	
<b><u>Making good internal cement plaster</u></b>			
52	Walls in patches	m2 9	
<b><u>BUDGETARY ALLOWANCES</u></b>			
53	Allow a budgetary allowance of R100,000.00 (One hundred thousand rands) for any additional demolitions and alterations works, to be allocated as per the instruction from the Principal Agent	Item	100,000.00
<b>Carried to Summary</b>			R
Bill No. 1 Alterations <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS KGAUHELO PRIMARY SCHOOL</b>			

Item No	Quantity	Rate	Amount																																
<p><b><u>SECTION 2</u></b>  <b><u>BILL NO. 2</u></b>  <b><u>EARTHWORKS</u></b>  <b><u>(PROVISIONAL)</u></b></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p>The nature of the ground is assumed to be loose sandy material, therefore "earth", but possibly interspersed with some "soft rock" or "hard rock".</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>EXCAVATION, FILLING, ETC</u></b></p> <p><b><u>Excavation in earth not exceeding 2m deep</u></b></p> <tr> <td>1</td><td>Reduced levels under surface beds</td><td>m3</td><td>3</td></tr> <tr> <td colspan="4"> <p><b><u>Back excavation of vertical sides of excavation in earth for working space including backfilling compacted to 98% Mod AASHTO density</u></b></p> <tr> <td>2</td><td>Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face</td><td>m2</td><td>4</td></tr> <tr> <td colspan="4"> <p><b><u>Extra over trench and hole excavations in earth for excavations in (provisional)</u></b></p> <tr> <td>3</td><td>Soft rock</td><td>m3</td><td>0.3</td></tr> <tr> <td>4</td><td>Hard rock</td><td>m3</td><td>0.2</td></tr> <tr> <td colspan="3">Carried Forward</td><td>R</td></tr> <tr> <td colspan="4"> <p>Bill No. 2  Earthworks  <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b>  <b>KGAUHELO PRIMARY SCHOOL</b></p> </td></tr> </td></tr></td></tr>				1	Reduced levels under surface beds	m3	3	<p><b><u>Back excavation of vertical sides of excavation in earth for working space including backfilling compacted to 98% Mod AASHTO density</u></b></p> <tr> <td>2</td><td>Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face</td><td>m2</td><td>4</td></tr> <tr> <td colspan="4"> <p><b><u>Extra over trench and hole excavations in earth for excavations in (provisional)</u></b></p> <tr> <td>3</td><td>Soft rock</td><td>m3</td><td>0.3</td></tr> <tr> <td>4</td><td>Hard rock</td><td>m3</td><td>0.2</td></tr> <tr> <td colspan="3">Carried Forward</td><td>R</td></tr> <tr> <td colspan="4"> <p>Bill No. 2  Earthworks  <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b>  <b>KGAUHELO PRIMARY SCHOOL</b></p> </td></tr> </td></tr>				2	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	4	<p><b><u>Extra over trench and hole excavations in earth for excavations in (provisional)</u></b></p> <tr> <td>3</td><td>Soft rock</td><td>m3</td><td>0.3</td></tr> <tr> <td>4</td><td>Hard rock</td><td>m3</td><td>0.2</td></tr> <tr> <td colspan="3">Carried Forward</td><td>R</td></tr> <tr> <td colspan="4"> <p>Bill No. 2  Earthworks  <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b>  <b>KGAUHELO PRIMARY SCHOOL</b></p> </td></tr>				3	Soft rock	m3	0.3	4	Hard rock	m3	0.2	Carried Forward			R	<p>Bill No. 2  Earthworks  <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b>  <b>KGAUHELO PRIMARY SCHOOL</b></p>			
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Brought Forward			R
<b><u>Extra over back excavation in earth for working space for excavation in soft rock</u></b>			
5	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	0.4
<b><u>Extra over back excavation in earth for working space for excavation in hard rock</u></b>			
6	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	0.2
<b><u>Extra over all excavations for carting away</u></b>			
7	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	3
<b><u>Risk of collapse of excavations</u></b>			
8	Sides of trench and hole excavations not exceeding 1,5m deep	m2	4
<b><u>Keeping excavations free of water</u></b>			
9	Keeping excavations free of all water by hand, or mechanical means		Item
<b><u>Compaction of surfaces</u></b>			
10	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 97% Mod AASTHO density (or as stipulated by the Engineer)	m2	22
<b><u>Soil poisoning</u></b>			
11	Soil insecticide under floors, paving, etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	22
<b><u>Prescribed density tests on filling</u></b>			
12	Modified AASHTO density tests	No	1
<b>Carried to Summary</b>			R
Bill No. 2 Earthworks <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS KGAUHELO PRIMARY SCHOOL</b>			

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION 2</u></b>  <b><u>BILL NO. 3</u></b>  <b><u>CONCRETE, FORMWORK &amp; REINFORCEMENT</u></b>  <b><u>(PROVISIONAL)</u></b></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p>Cost of tests The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor and to the approval of the architect. (Test cubes are measured separately)</p> <p>Formwork Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.</p>			
	Carried Forward		R	
	<p>Bill No. 3  Concrete, Formwork &amp; Reinforcement  <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b>  <b>KGAUHELO PRIMARY SCHOOL</b></p>			

Brought Forward				R
Formwork to soffits of (solid) slabs etc shall be deemed to be to 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"				
<b><u>REINFORCED CONCRETE</u></b>				
<b><u>25MPa/19mm concrete</u></b>				
1	Underpinning to existing brick walls, including excavations alongside the existing foundations in limited lengths, down to the new founding levels, casting new reinforced concrete footings, average size 1000mm x 300mm thick, including all working spaces, shoring, backfilling, formwork, concrete, reinforcement etc complete (As per Engineering specifications)	m	461	
2	Surface beds cast in panels on waterproofing	m3	115	
<b><u>CONCRETE SUNDRIES</u></b>				
<b><u>Test Blocks</u></b>				
3	Making and testing set of three 150 x 150 x 150mm concrete strength test cubes	No	6	
<b><u>Finishing top surfaces of concrete smooth with a wood float including non-slip brush finish</u></b>				
4	Surface beds, slabs, etc	m2	950	
<b><u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u></b>				
<b><u>Rough formwork to sides</u></b>				
5	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	24	
Carried Forward				R
Bill No. 3 Concrete, Formwork & Reinforcement <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>				

Brought Forward			R
<b><u>MOVEMENT JOINTS ETC</u></b>			
<b><u>Three layers of malthoid in slip joints between horizontal concrete and brick surfaces including mortar bed rendered smooth</u></b>			
6	Not exceeding 300mm wide	m	12
<b><u>Isolation joints with 10mm "Sondor Jointex" or equal approved polyethylene joint former between vertical concrete and brick surfaces</u></b>			
7	10mm Joints not exceeding 300mm high	m	12
<b><u>Saw cut joints</u></b>			
8	10 x 20mm Saw cut joints in top of concrete	m	18
<b><u>REINFORCEMENT</u></b>			
<b><u>Fabric reinforcement</u></b>			
9	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	950
<b>Carried to Summary</b>			R
Bill No. 3			
Concrete, Formwork & Reinforcement			
<b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b>			
<b>KGAUHELO PRIMARY SCHOOL</b>			

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION 2</u></b>  <b><u>BILL NO. 4</u></b>  <b><u>MASONRY</u></b>  <b><u>(PROVISIONAL)</u></b></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b>Sizes in descriptions</b>  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>Bagged and sealed walls</b>  Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brixeal" bitumen emulsion waterproofing coating.</p> <p><b>Face bricks</b>  Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p><b>Pointing</b>  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>Samples</b>  Samples of all masonry building units, except those for walls described as "load bearing", shall consist of a minimum of 6 units. Samples of building units to be used in walls described as "load bearing" shall consist of 30 units from every 30 000 units delivered to site</p> <p><b><u>SUPERSTRUCTURE</u></b></p>			
	Carried Forward		R	
	<p>Bill No. 4  Masonry  <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b>  <b>KGAUHELO PRIMARY SCHOOL</b></p>			

Brought Forward			R
<b><u>Brickwork of NFP bricks in class II mortar</u></b>			
1	One brick walls	m2	21
<b><u>BRICKWORK SUNDRIES</u></b>			
<b><u>Brickwork reinforcement</u></b>			
2	150mm Wide reinforcement built in horizontally	m	81
<b><u>Galvanised hoop iron cramps, ties, etc</u></b>			
3	4mm Diameter roof tie 2m girth bent double, with one end built into brickwork and other end fixed to timber	No	685
Carried to Summary			R
Bill No. 4 Masonry <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			



Item No		Quantity	Rate	Amount
	<p><b><u>SECTION 2</u></b> <b><u>BILL NO. 5</u></b> <b><u>WATERPROOFING</u></b> <b><u>(PROVISIONAL)</u></b></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b>Waterproofing</b> 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>DAMPPROOFING OF WALLS AND FLOORS</u></b></p> <p><b><u>One layer 250 micron "Gunplas USB Green" polyethylene waterproofing sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u></b></p> <p>1 On compacted earth under concrete surface beds, lapped 150 mm and sealed at all joints m2 22</p> <p><b><u>One layer 375 micron embossed "Gunplas Brikgrip" polyethylene damp proof course fixed with approved adhesive</u></b></p> <p>2 In walls, stepped up in cavities, under cills, etc. m2 70</p> <p><b><u>JOINT SEALANTS ETC</u></b></p>			
	Carried Forward		R	
	Bill No. 5 Waterproofing <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

Brought Forward			R
<b><u>Approved two-part grey polysulphide sealing compound including backing cord, bond breaker, primer etc</u></b>			
3	10 x 10mm In isolation joints in floors or walls including raking out expansion joint filler as necessary	m	12
<b><u>Sikaflex 35SL or similar approved polyurethane sealing compound including backing cord, bond breaker, primer, etc</u></b>			
4	10 x 20mm In saw cut joints in floors including raking out joint filler as necessary	m	12
<b><u>BUDGETARY ALLOWANCES</u></b>			
5	Allow a budgetary allowance of R50,000.00 (Fifty thousand rands) for sourcing, isolating and repairing water leaks / ingress of water causing damage to the walls, floors etc, to be allocated as per the instruction from the Principal Agent	Item	50,000.00
<b>Carried to Summary</b>			R
Bill No. 5 Waterproofing <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

Item No		Quantity	Rate	Amount
<b><u>SECTION 2</u></b> <b><u>BILL NO. 6</u></b> <b><u>ROOF COVERINGS</u></b> <b><u>(PROVISIONAL)</u></b>				
NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract				
<b><u>PROFILED FIBRE-CEMENT SHEETING AND ACCESSORIES</u></b>				
<u>Safintra 0.55mm thick 700mm cover Saflok 700 Colorplus interlocking concealed fix roof covering, fixed to timber purlins at 2112mm centres and end span purlins at 1920mm centres by means of SL 700 Clip 21 clips secured to purlins in combination with a suitable class Safintra approved water head self-tapping fasteners, all in accordance with manufacturer's recommendations, as per Architectural specifications</u>				
1	Roof covering with pitch not exceeding 25 degrees	m <sup>2</sup>	3,067	
2	0.6mm Colomate finished galvanised metal ridge cap with ridge closers laid in accordance to manufacturer's specifications, as per Architectural specifications	m	293	
3	Eaves fillers	m	784	
4	Polyclosures to suit profile	m	784	
<b><u>ROOF AND WALL LINING AND INSULATION</u></b>				
Carried Forward				R
Bill No. 6 Roof Coverings <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>				

[illegible]

Item No		Quantity	Rate	Amount
	<b><u>SECTION 2</u></b> <b><u>BILL NO. 7</u></b> <b><u>CARPENTRY AND JOINERY</u></b> <b><u>(PROVISIONAL)</u></b>			
	<p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>Fixing</u></b> 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			
	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			
	<b><u>ROOFS ETC</u></b>			
	<b><u>Design, fabrication, supply and installation of the Roof Structure Construction. The Timber Roof Construction Sub-Contractor shall provide all materials (such as nails, ties, trusses, rafters, bracing, painting of exposed timbers, purlins, etc), equipment, labour, services and Engineer's Certificate necessary for the complete and efficient operation of the Installation, all in strict accordance to the architect's approval</u></b>			
1	Roof area measured flat on plan	m2	2,356	
	<b><u>Sawn Softwood</u></b>			
2	38 x 114mm Wall plates	m	715	
	<b><u>SKIRTINGS</u></b>			
	Carried Forward			R
	Bill No. 7 Carpentry and Joinery <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

Brought Forward			R
<b><u>Wrought Meranti</u></b>			
3	100 x 18mm Skirting plugged, including quarter round timber	m	859
<b><u>DOORS ETC</u></b>			
<b><u>Semi-solid flush panel doors</u></b>			
4	Standard internal door size 813 x 2032 x 40mm	No	5
<b><u>Meranti Timber Doors</u></b>			
5	813 x 2032mm high Framed, ledged and braced meranti door	No	7
<b><u>Solid flush panel doors with hardboard both sides and two concealed edges</u></b>			
<b><u>FRAMED FRAMES ETC</u></b>			
<b><u>Hardwood Frames, stained as per Architectural specifications</u></b>			
6	76 x 44mm Frames suitable for single doors	No	5
<b><u>JOINERY SUNDRIES</u></b>			
<b><u>Shelving, cupboards, fittings etc</u></b>			
<p>NOTE: The following items have been measured as complete units i.e the components of the units have not been separately measured. The description therefore of such units shall be deemed to include all components, assembling, housing, notching, gluing, blocking, planting on and screwing with countersunk screws, edge strips, cut out for sinks, decorative plastic finish, glass, ironmongery, metalwork, wall mounting brackets, paint or varnish finishes, etc</p> <p>Tenderers must refer to the architect's Joinery drawings and referred to in the items in order to understand the full requirements and descriptions of the works</p>			
Carried Forward			R
Bill No. 7 Carpentry and Joinery <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

Brought Forward			R
7	Block B2 Storeroom shelving comprising shelves and base made of 20mm melamine or similar approved. All exposed edges of melamine to receive a 3mm thick white PVC impact edging. Shelving to be countersunk screwed to brackets from below. Brackets and support bands are epoxy coated, metal free standing units, bolted together with metal corner support posts, with feet fitted with PVC corners, to protect floor coverings. All shelving to be adjustable and as per the Architectural specifications.	No	1
8	Block C1 Storeroom shelving comprising shelves and base made of 20mm melamine or similar approved. All exposed edges of melamine to receive a 3mm thick white PVC impact edging. Shelving to be countersunk screwed to brackets from below. Brackets and support bands are epoxy coated, metal free standing units, bolted together with metal corner support posts, with feet fitted with PVC corners, to protect floor coverings. All shelving to be adjustable and as per the Architectural specifications.	No	1
9	Block C2 Classroom cupboard doors to match existing, including all locks and handles, as per the Architectural specifications.	No	1
Carried to Summary			R
Bill No. 7 Carpentry and Joinery <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION 2</u></b>  <b><u>BILL NO. 8</u></b>  <b><u>CEILING, PARTITIONING &amp; ACCESS</u></b>  <b><u>FLOORING</u></b>  <b><u>(PROVISIONAL)</u></b></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p>Electrical light fittings, diffusers, panels, etc generally are "lay in" units of the same / similar dimensions as the ceiling grid described and allowance must be made accordingly for their support inclusive of any flexibility inseting out that may be required (ceiling panels / boards have not been deducted and pricing is to take cognisance thereof)</p> <p><b><u>NAILED UP CEILINGS</u></b></p> <p><b><u>6,4mm "Gyproc RhinoBoard" flush plastered ceilings and bulkheads with square edged RhinoBoard fixed print side up with 25mm Rhinoboard sharp point screws at 150mm centres to Donn steel brander at 300mm centres in one direction. All joints to be covered with RhinoTape fixed over joints, double over butt joints, plastered with 3mm to 6mm thick Rhinolite multipurpose plaster, all fixed to slab / timber rafters at centres not exceeding 1000mm, all in accordance with the manufacturer recommendations</u></b></p>			
1	Ceilings including 50 x 50 mm sawn softwood brander at 400mm centres in one direction only to trusses (elsewhere) at 1,5mm centres	m2	1,404	
	Carried Forward		R	
	<p>Bill No. 8  Ceilings, Access Flooring etc  <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b>  <b>KGAUHELO PRIMARY SCHOOL</b></p>			



Brought Forward			R
2	Extra over ceiling for 600 x 600mm trap door of 38 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	27
	<b><u>"Rhino" or similar approved Moulded Gypsum Cornices</u></b>		
3	75mm Coved cornice	m	841
	<b><u>CEILING INSULATION</u></b>		
	<b><u>Aerolite insulation</u></b>		
4	100mm Thick insulation closely fitted and laid on top of ceilings including cutting and fitting around roof timbers	m2	1,344
	<b><u>PARTITIONS ETC</u></b>		
	<b><u>DRYWALL PARTITIONS</u></b>		
	<b><u>Gypsum partitions with 12,5mm thick board cladding on both sides, including all skimming of surfaces etc in preparation for paintwork (elsewhere measured)</u></b>		
5	Partitions 2800mm high with bottom and top tracks plugged	m	5
6	Extra over partition 2800mm high for vertical abutment	No	2
7	Extra over partition 2800mm high for corner	No	1
8	Extra over partition 2800mm high for fair end	No	2
9	Door 813mm x 2032mm high including standard type lockset, handles etc	No	1
	<b>Carried to Summary</b>		R
	Bill No. 8		
	Ceilings, Access Flooring etc		
	<b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b>		
	<b>KGAUHELO PRIMARY SCHOOL</b>		

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION 2</u></b>  <b><u>BILL NO. 9</u></b>  <b><u>FLOOR COVERINGS</u></b>  <b><u>(PROVISIONAL)</u></b></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Fixing</u></b>  Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc</p> <p><b><u>VINYL FLOOR COVERINGS, WALL LININGS, ETC</u></b>  All vinyl flooring materials require a smooth, hard, clean, true and level surface, not only for appearance but also for achieving a satisfactory adhesive bond and long term durability  The main contractor shall ensure that the sub-floor is acceptable to receive the vinyl flooring specified in respect of levelness, smoothness, soundness and cleanness</p> <p><b><u>FLOOR COVERINGS</u></b></p> <p><b><u>300 x 300mm Non-slip resilient vinyl tile floor covering (Polyflor XL 2mm thick fully flexible PVC sheet flooring laid) as per manufacturer's recommendations on screed</u></b></p>			
1	On floors	m2	1,503	
	<p><b><u>POLISH, SEALERS, ETC</u></b></p> <p><b><u>Polish on vinyl flooring</u></b></p>			
2	Two coats of approved wax polish on vinyl flooring	m2	1,503	
	Carried to Summary		R	
	<p>Bill No. 9  Floor Coverings  <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b>  <b>KGAUHELO PRIMARY SCHOOL</b></p>			

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION 2</u></b>  <b><u>BILL NO. 10</u></b>  <b><u>IRONMONGERY</u></b>  <b><u>(PROVISIONAL)</u></b></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</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>HINGES, BOLTS, ETC</u></b></p> <p><b><u>"Union" or equal and approved</u></b></p> <p>1 Brass butt hinges No 41</p> <p>2 CP WC indicator bolt with keep No 1</p> <p><b><u>LOCKS, CATCHES, CABIN HOOKS, ETC</u></b></p> <p><b><u>"Union" or equal and approved</u></b></p> <p>3 CP four lever lockset with striking plate No 12</p> <p>4 51mm Padlock No 7</p> <p>5 Master key No 1</p> <p style="text-align: right;"><b>Carried Forward</b></p> <p>Bill No. 10 Ironmongery <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b></p>			
			R	

Brought Forward			R
6	Grand master key	No	1
<b><u>HANDLES</u></b>			
<b><u>"Union" or equal and approved</u></b>			
7	Satin chrome lever handle on plate back to back	No	12
8	SS lever handle on plate W/C bathroom	No	1
<b><u>SUNDRIES</u></b>			
<b><u>"Union" or equal and approved</u></b>			
9	Code: 140/69 - S/Steel floor mount doorstop	No	14
10	Code: 154/69 - S/S Hat and coat hook with rubber buffer	No	5
<b><u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</u></b>			
<b><u>"Parrot" or equal and approved</u></b>			
11	Magnetic white board and chalk board combo comprising of an 1820mm wide x 1220mm high centre magnetic whiteboard panel and 4 x 1220mm x 920mm high side panels with 2 x side panels comprising of chalkboard and 2 x panels comprising of chalkboard to the one side of the leaf and magnetic whiteboard to the other side of the leaf with pre-drawn lines on both sides including all fittings, fixtures etc	No	6
12	Pinning board size 3000 x 1200mm high including aluminium frame	No	22
<b><u>STATIONERY CUPBOARDS</u></b>			
<b><u>Steel stationery cupboards</u></b>			
13	900 x 450 x 1800mm High heavy duty steel cupboard, "hammertone grey" in colour, with adjustable shelving	No	6
<b>Carried to Summary</b>			R
Bill No. 10 Ironmongery <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION 2</u></b>  <b><u>BILL NO. 11</u></b>  <b><u>METALWORK</u></b>  <b><u>(PROVISIONAL)</u></b></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</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>SUNDRY STAINLESS STEELWORK</u></b></p> <p><b><u>Grade 306 stainless steel balustrades with top and vertical rails to be 50.8mm diameter stainless steel and horizontal and intermediate stainless steel railings are to be fixed to vertical posts with no more than 100mm gap between railings, all to comply with SANS 10400 (As per Architectural Specifications)</u></b></p>			
1	1000mm High <b><u>fixed to concrete surfaces / walkways</u></b>	m	17	
	<p><b><u>MILD STEEL DOORS, FRAMES ETC</u></b></p>			
	Carried Forward		R	
	<p>Bill No. 11  Metalwork  <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b>  <b>KGAUHELO PRIMARY SCHOOL</b></p>			

Brought Forward			R
<b><u>1.2mm Double rebated frames including all sealing etc as per Architectural specifications</u></b>			
2	Frame for single door, size 813 x 2032 mm high	No	13
<b><u>Metal gates</u></b>			
3	Gate overall approximate size 900 x 2032mm high gate with 50 x 50mm mild steel square frame and 10 x 10mm mild steel bars placed at 100mm centres at 45 degree angles, hung with two pair of galvanised mild steel hinges including locks, handles, ironmongery complete, as per Architectural specifications	No	7
<b><u>MILD STEEL WINDOWS, LOUVRES, DOORS, ETC.</u></b>			
<b><u>Standard Steel "School Type" metal windows as per Architectural specifications including all brass fittings</u></b>			
4	Block A&B1: Type T1 size 1270mm x 480mm high	No	10
5	Block A&B1: Type T2 size 1590mm x 1420mm high	No	13
6	Block B1 & B2: Type T1 size 1590mm x 480mm high	No	2
7	Block C2&D: Type T1 size 1100mm x 1200mm high	No	10
8	Block C2&D: Type T2 size 1100mm x 420mm high	No	7
9	Block E: Type T1 size 1300mm x 520mm high	No	1
10	Block E: Type T2 size 1350mm x 280mm high	No	1
11	Block E: Type T3 size 280mm x 450mm high	No	1
12	Block E: Type T4 size 1280mm x 1420mm high	No	1
13	Block H&I: Type T1 size 1500mm x 650mm high	No	1
14	Block H&I: Type T2 size 520mm x 600mm high	No	6
Carried Forward			R
Bill No. 11 Metalwork <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS KGAUHELO PRIMARY SCHOOL</b>			

Brought Forward			R
<u>Burglar bars (as per Architectural specifications)</u> <u>made to standard "School Type" pattern to be</u> <u>welded at all intersections and against window</u> <u>frames to be fixed sections at inside of classroom</u> <u>and bent 75mm (or as approved) away from glass,</u> <u>fitted over entire window</u>			
15	To fit window to Block A&B1: Type T1 size 1270mm x 480mm high	No	10
16	To fit window to Block A&B1: Type T2 size 1590mm x 1420mm high	No	13
17	To fit window to Block B2: Type T1 size 1590mm x 480mm high	No	2
18	To fit window to Block C2&D: Type T1 size 1100mm x 1200mm high	No	10
19	To fit window to Block C2&D: Type T2 size 1100mm x 420mm high	No	7
20	To fit window to Block E: Type T1 size 1300mm x 520mm high	No	1
21	To fit window to Block E: Type T2 size 1350mm x 280mm high	No	1
22	To fit window to Block E: Type T3 size 280mm x 450mm high	No	1
23	To fit window to Block E: Type T4 size 1280mm x 1420mm high	No	1
24	To fit window to Block H&I: Type T1 size 1500mm x 650mm high	No	1
Carried Forward			R
Bill No. 11 Metalwork <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

Brought Forward				R
25	To fit window to Block H&I: Type T2 size 520mm x 600mm high	No	6	
<b><u>EAVES, VERGES, ETC</u></b>				
<b><u>Aluminium or similar approved fascia / barge boards</u></b>				
26	Aluminium barge boards including jointing strips etc if required, as per Architectural specifications	m	784	
Carried to Summary				R
Bill No. 11 Metalwork <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>				



Item No		Quantity	Rate	Amount
	<b><u>SECTION 2</u></b> <b><u>BILL NO. 12</u></b> <b><u>PLASTERING</u></b> <b><u>(PROVISIONAL)</u></b>			
	NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract			
	<b><u>PLASTERING</u></b>			
	<b><u>SCREEDS</u></b>			
	<b><u>Screeds steel trowelled on concrete</u></b>			
1	30mm Thick on floors, landings etc	m2	953	
	<b><u>INTERNAL PLASTER</u></b>			
	<b><u>Cement plaster with gypsum finish on brickwork</u></b>			
2	On walls	m2	42	
3	On narrow widths	m2	1	
	<b><u>EXTERNAL PLASTER</u></b>			
	<b><u>Cement plaster on brickwork</u></b>			
4	On walls	m2	1	
5	On narrow widths	m2	1	
	<b>Carried to Summary</b>			R
	Bill No. 12 Plastering <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

Item No	Quantity	Rate	Amount
<b><u>SECTION 2</u></b> <b><u>BILL NO. 13</u></b> <b><u>TILING</u></b> <b><u>(PROVISIONAL)</u></b>			
NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
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			
<b><u>WALL TILING</u></b>			
<b><u>200 x 200 x 10mm thick ceramic tiles (similar or equal approved) on plastered brickwork including adhesive backing etc</u></b>			
1	On splashbacks	m2	9
<b><u>FLOOR TILING</u></b>			
<b><u>500 x 500 x 13mm thick clay tiles, Type B1 laid on polymer cement adhesives</u></b>			
2	On floors, landings, treads etc	m2	75
3	Skirting 100mm high of cut stretcher course tiles	m	159
<b><u>Edge trims</u></b>			
4	"Genesis ESA 225" Aluminium edge trim to tiling	m	159
Carried Forward			R
Bill No. 13 Tiling <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

[illegible]

Item No	Quantity	Rate	Amount
<b><u>SECTION 2</u></b> <b><u>BILL NO. 14</u></b> <b><u>PLUMBING AND DRAINAGE</u></b> <b><u>(PROVISIONAL)</u></b>			
NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<b><u>RAINWATER DISPOSAL</u></b>			
<b><u>"Watertite" or similar approved aluminium</u></b>			
1	155 x 100 x 115mm Ogee eaves gutters	m	583
2	Extra over 155 x 100 x 115mm Ogee eaves gutter for stopped end	No	32
3	Extra over 155 x 100 x 115mm Ogee eaves gutter for outlet for 100 x 75mm pipe	No	42
4	100 x 75mm Rainwater pipes	m	168
5	Extra over 100 x 75mm rainwater pipe for bend	No	126
6	Extra over 100 x 75mm rainwater pipe for shoe	No	42
<b><u>SANITARY FITTINGS</u></b>			
Carried Forward			R
Bill No. 14 Plumbing and Drainage <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

Brought Forward			R
<b><u>STAINLESS STEEL - Franke or other approved</u></b>			
7	Kwikot Model SRHB-002 Grade 304 (18/10) Stainless Steel Double bowl wash hand basin (Code: SRHB-002), size 1072 x 420mm with 165mm deep bowls with 40mm waste outlets and fixed to wall using 25mm square stainless steel gallow brackets and supported with adjustable front legs, all in accordance with manufacturer`s recommendations.	No	3
8	Kwikot Model KCB1021370 Grade 304 (18/10) Stainless Steel curved back urinal (Code: KCB102), size 1370mm long with built in flushing tank, 12mm adjustable drip cock and centre outlet with back sprayed with vermin proof bitumastic sound deadening fixed to wall with anchor bolts, all in accordance with manufacturer`s recommendations.	No	1
9	One piece drop in sink 0.9mm stainless steel, tap hole, mild steel gallow brackets and legs	No	1
<b><u>"Vaal" or equal Approved</u></b>			
10	"Lecico Atlas" Code ATLDUOBAS0500BE, white vitrous china 50cm basin with full pedestal, fixed with stainless steel screws and washers to plugs in wall and sealed with abe Dow Corning acetoxysilicone sealant where basin meets wall, with 1 tap hole	No	1
11	"Lecico Madison" Code MADBOXDFL0SCSBE white vitreous china close couple suite including seat and cover bolted to bowl with metal washers and rubber gaskets, with cistern, with foot of bowl sealed to floor with abe Dow Corning acetoxysilicone sealant	No	4
Carried Forward			R
Bill No. 14 Plumbing and Drainage <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

	Brought Forward			R
12	"Lecico Atlas" Code ATLBOXURI0B40BE white vitreous china 40cm urinal colour White, with back inlet and waste outlet including wall mounting brackets and connected to water supply, sealed with silicone sealant where urinal meets wall	No	1	
	<b><u>WASTES UNIONS ETC</u></b>			
	<b><u>"Cobra Watertech"</u></b>			
13	32mm 301CP slotted basin waste union	No	8	
14	40mm 316CP unslotted bath or sink waste union	No	1	
	<b><u>TRAPS ETC</u></b>			
	<b><u>"Flexitrap" flexible rubber traps, etc</u></b>			
15	50mm Deep seal "P" or "S" sink trap	No	8	
	<b><u>"Cobra Watertech"</u></b>			
16	32mm 345/50CP deep seal bottle trap with outlet for 50mm PVC	No	1	
17	40mm 345/50CP deep seal bottle trap with outlet for 50mm PVC	No	1	
	<b><u>TAPS, VALVES, ETC</u></b>			
	<b><u>Taps, valves, etc and joints to copper pipes including all necessary adaptors, etc</u></b>			
	<b><u>"Cobra Watertech" or similar</u></b>			
18	15mm 232/350CP angle regulating valve with 350mm long bendable service pipe	No	1	
19	15mm 832/350FCP ball type angle valve with 350mm long with 350mm long flexible hose connector	No	1	
20	15mm ballovalve type valve	No	1	
21	22mm 1003/125RB fullway gate valve	No	1	
	<b>Carried Forward</b>			R
	Bill No. 14 Plumbing and Drainage <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

		Brought Forward		R
22	35mm Ballostop	No	1	
23	50mm Ballostop	No	1	
24	15mm Underwall stopcock	No	1	
25	15 mm Brass hose tap	No	1	
26	Plumline Moderna Chrome pillar taps (Code:038735)	No	1	
	<b><u>SANITARY PLUMBING</u></b>			
	<b><u>uPVC pipes</u></b>			
27	25mm Pipes	m	1	
28	50mm Pipes	m	1	
29	50mm Pipes chased in	m	1	
30	110mm Pipes	m	1	
31	110mm Pipes chased in	m	1	
	<b><u>Extra on UPVC piping for the following fittings:</u></b>			
32	25mm fittings	No	1	
33	50mm Bend	No	1	
34	110mm Bend	No	1	
35	50mm access bend	No	1	
36	110mm access bend	No	1	
37	50mm Junction	No	1	
38	110mm Junction	No	1	
39	50mm access junction	No	1	
40	110mm access junction	No	1	
		Carried Forward		R
	Bill No. 14 Plumbing and Drainage <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

	Brought Forward		R
41	110mm reducing junction	No	1
42	110mm pan connector	No	4
43	110mm bent pan connector	No	1
44	110mm IE pipe	No	1
45	50mm "Two-way" vent valve	No	1
46	110mm "Two-way" vent valve	No	1
47	110mm rodding eye	No	1
	<b>Sundries</b>		
48	Testing waste pipe system		Item
	<b><u>WATER SUPPLIES</u></b>		
	<b><u>DOMESTIC AND FIRE</u></b>		
	<b><u>Class 0 copper pipes</u></b>		
49	15mm Pipes	m	1
50	15mm Pipes chased in to brick walls	m	1
51	22mm Pipes	m	1
52	22mm Pipes chased in to brick walls	m	1
53	28mm Pipes	m	1
54	35mm Pipes	m	1
55	42mm Pipes	m	1
	<b><u>Extra over class 0 copper pipes for capillary fittings</u></b>		
56	15mm fittings	No	1
57	22mm fittings	No	1
	<b>Carried Forward</b>		R
	Bill No. 14 Plumbing and Drainage <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>		



Brought Forward			R
58	28mm fittings	No	1
59	35mm reducer	No	1
60	42mm reducer	No	1
61	35mm elbow	No	1
62	42mm elbow	No	1
63	35mm tee	No	1
64	42mm tee	No	1
65	35mm reducing tee	No	1
66	42mm reducing tee	No	1
67	35mm copper to iron coupler	No	1
68	42mm copper to iron coupler	No	1
69	42mm copper to iron elbow	No	1
70	32mm copper to iron elbow	No	1
71	54 mm Elbow	No	1
72	54 mm Male iron elbow	No	1
<b><u>Extra over class 0 copper pipes for brass compression fittings</u></b>			
73	15mm fitting	No	1
74	22mm fittings	No	1
75	28mm fittings	No	1
76	35mm copper to iron coupler	No	1
77	42mm copper to iron coupler	No	1
Carried Forward			R
Bill No. 14 Plumbing and Drainage <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

Brought Forward		R	
<b><u>TESTING</u></b>			
78	Allow for testing the whole of the hot and cold water supply to the satisfaction of the architect and Local authority. All defective work to removed and made good at the contractors expense and the whole re tested until found satisfactory.	Item	
<b><u>BUDGETARY ALLOWANCES</u></b>			
79	Allow a budgetary allowance of R50,000.00 (Fifty thousand rands) for the servicing of the existing sanitary fittings, including all necessary remedial and repair works, to be allocated as per the instruction from the Principal Agent	Item	50,000.00
Carried to Summary		R	
Bill No. 14 Plumbing and Drainage <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

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Item No		Quantity	Rate	Amount
	<p><b><u>SECTION 2</u></b>  <b><u>BILL NO. 16</u></b>  <b><u>PAINTWORK</u></b>  <b><u>(PROVISIONAL)</u></b></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p>All paintwork in this contract shall, unless otherwise described, be executed using the "Plascon / Dulux" range of products, as per Architectural Specifications</p> <p><b><u>PAINTWORK ETC TO EXISTING AND NEW SURFACES</u></b></p> <p>Previously painted plastered surfaces  Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p> <p>Previously painted metal surfaces  Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p> <p>Previously painted wood surfaces  Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p> <p><b><u>ON EXISTING FLOATED PLASTER</u></b></p>			
	Carried Forward		R	
	<p>Bill No. 16  Paintwork  <b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b>  <b>KGAUHELO PRIMARY SCHOOL</b></p>			

Brought Forward			R
<u>One coat primer and two coats acrylic paint (as per architectural specifications)</u>			
1	On internal and/or external walls	m2	2,064
<u>ON PLASTER BOARD</u>			
<u>One coat primer and two coats acrylic paint (as per architectural specifications)</u>			
2	On skimmed ceilings	m2	1,404
3	On skimmed drywall partitioning	m2	28
<u>ON METAL</u>			
<u>Prepare and apply one coat primer, one universal undercoat and two coats enamel paint (as per Architectural specifications)</u>			
4	On windows, doors, gates etc	m2	572
5	On backs of door frames	m2	116
6	On barge boards etc	m2	369
7	On balustrading etc	m2	17
<u>ON WOOD</u>			
<u>Three coats superior quality clear varnish, including all sealants</u>			
8	On doors, frames etc	m2	364
9	Skirtings, rails, etc not exceeding 300mm girth	m	859
Carried to Summary			R
Bill No. 16			
Paintwork			
<b>SECTION 2 - REPAIR AND MAINTENANCE WORKS</b>			
<b>KGAUHELO PRIMARY SCHOOL</b>			

Bill No	SECTIONAL SUMMARY		Page No	Amount	
1	Alterations		55		
2	Earthworks		57		
3	Concrete, Formwork & Reinforcement		60		
4	Masonry		62		
5	Waterproofing		64		
6	Roof Coverings		66		
7	Carpentry and Joinery		69		
8	Ceilings, Access Flooring etc		71		
9	Floor Coverings		72		
10	Ironmongery		74		
11	Metalwork		78		
12	Plastering		79		
13	Tiling		81		
14	Plumbing and Drainage		88		
15	Glazing		89		
16	Paintwork		91		
Sub Total carried forward to Final Summary				R	
SECTION 2 - REPAIR AND MAINTENANCE WORKS					
KGAUHELO PRIMARY SCHOOL					

## **SECTION 3**

### **EXTERNAL WORKS**

Item No		Quantity	Rate	Amount
	<b><u>SECTION 3</u></b> <b><u>BILL NO. 1</u></b> <b><u>EXTERNAL WORKS</u></b> <b><u>(PROVISIONAL)</u></b>			
	<p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p>			
	<b><u>EXTERNAL WORKS</u></b>  <b><u>SITE CLEARANCE ETC</u></b>  <b><u>Site clearance</u></b>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc including the general cleaning of all sanded areas etc to prevent corrosion	m2	4,266	
	<b><u>TEMPORARY BARRIERS, SCREENS ETC</u></b>  <b><u>Temporary barriers, screens etc, including removal</u></b>			
2	Dust screen minimum 1800mm high formed of suitable timber or steel framing with 375 micron polyethylene sheeting or equally approved material, fixed onto one side, including corners, ends, etc including the removal of such upon completion of the works	m	811	
	<b><u>REMEDIAL WORK TO EXISTING STRUCTURES</u></b>  <b><u>Existing awning structures</u></b>			
3	Cleaning of all structural elements to Awning Structure 1, overall size 22400 x 5200mm (measured flat on plan) complete with sugar soap or a similar approved method, strip off existing paint where required, sand down, prime all bare surfaces and apply two coats of Plascon or similar approved paint to all structural components (As per Architectural specifications)	No	1	
	Carried Forward			
	Bill No. 1 External Works <b>SECTION 3 - EXTERNAL WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>		R	



Brought Forward			R
4	Cleaning of all structural elements to Awning Structure 2, overall size 12400 x 5000mm (measured flat on plan) complete with sugar soap or a similar approved method, strip off existing paint where required, sand down, prime all bare surfaces and apply two coats of Plascon or similar approved paint to all structural components (As per Architectural specifications)	No	1
<b><u>Existing walkway structures</u></b>			
5	Prepare all surfaces of walkway steel structural components by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for rust inhibiting primer and paint, as per Architectural and Engineering specifications (measured flat on plan)	m2	132
6	Taking down and removing roofs coverings and preparation of existing structural members to receive new roof sheeting (elsewhere measured)	m2	67
7	<b><u>Safintra 0.55mm thick or equal approved Colorplus interlocking concealed fix roof covering, fixed to purlins as per Architectural specifications</u></b>	m2	67
<b><u>Existing walkway surfaces</u></b>			
8	Groove open cracks in surface beds etc to form a "V" Notch. Remove all debris using a wire brush pr pressure washer if required. Clean and dry surface around the crack, Saw cut the "V" Grooves perpendicular to the crack length and epoxy R8 bars in grooves at 250mm centres over the crack length. Fill with approved cementitious non shrink grout or structural mortar mix using mesh reinforcement Ref 100. Brush the surface smooth allowing the grout / mortar to cure, as per Engineering specifications and Manufacturer's instructions	m	5
9	<b><u>Hacking up / off and removing screeds from concrete and preparing surfaces for new screed</u></b>	m2	46
Carried Forward			R
Bill No. 1 External Works <b>SECTION 3 - EXTERNAL WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

Brought Forward			R
10	Preparing external floor surfaces to create a sound, level surface in accordance with SANS (As per Architectural specifications) to receive new screed surfacing (elsewhere measured)	m2	46
11	30mm Thick screeds, steel trowelled on concrete floors etc	m2	46
<b><u>New walkway surface beds</u></b>			
12	<b><u>Hacking up / off and removing concrete and preparing surfaces for new concrete</u></b>	m2	42
13	25MPa/19mm concrete to surface beds	m3	6
14	Finishing top surfaces of concrete smooth with a wood float including non-slip brush finish	m2	42
15	Rough formwork to edges, risers, ends and reveals not exceeding 300mm high or wide	m	42
16	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	42
17	30mm Thick screeds, steel trowelled on concrete floors etc	m2	42
<b><u>SURFACE DRAINAGE</u></b>			
<b><u>CONCRETE STORMWATER CHANNELS ETC</u></b>			
18	<b><u>Breaking up and removing mass concrete V Drains etc</u></b> average 120mm thick and 1000mm wide	m	480
19	600mm wide V drain surface channel, aprons etc, cast in panels to falls not exceeding 2m long, with 10mm softboard joint material between panels and abutting walls, raked out 20mm deep and sealed with grey polysulphide sealant including all angles, intersections, mitres etc, as per Engineering specifications	m	480
Carried Forward			R
Bill No. 1 External Works <b>SECTION 3 - EXTERNAL WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

	Brought Forward			R
20	1000mm wide V drain surface channel, aprons etc, cast in panels to falls not exceeding 2m long, with 10mm softboard joint material between panels and abutting walls, raked out 20mm deep and sealed with grey polysulphide sealant including all angles, intersections, mitres etc, as per Engineering specifications	m	153	
	<b><u>Existing V Drains</u></b>			
21	Ream out the top 15mm of joints in surface beds, slabs etc, remove all debris using a wire brush or pressure washer if required. Clean and dry surface around the crack, install an approved UV resistant polysulphide sealant ensuring that the sealant fills deep into the opening. Brush the surface smooth to match the texture of the existing surface allowing the sealant to cure, as per Engineering specifications and Manufacturer's instructions	m	47	
	<b><u>SUNDRIES</u></b>			
22	Allow for filling and the creation of an earth berm where scouring at walkways etc, including all grassing etc (As per Engineering specifications)	m	117	
	<b><u>CONCRETE APRONS</u></b>			
	<b><u>Excavation in earth not exceeding 2m deep</u></b>			
23	Reduced levels under surface beds	m3	8	
	<b><u>Back excavation of vertical sides of excavation in earth for working space including backfilling compacted to 98% Mod AASHTO density</u></b>			
24	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	15	
	<b><u>Extra over trench and hole excavations in earth for excavations in (provisional)</u></b>			
25	Soft rock	m3	1	
26	Hard rock	m3	0.4	
	<b>Carried Forward</b>			R
	Bill No. 1 External Works <b>SECTION 3 - EXTERNAL WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

Brought Forward			R
<b><u>Extra over back excavation in earth for working space for excavation in soft rock</u></b>			
27	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	2
<b><u>Extra over back excavation in earth for working space for excavation in hard rock</u></b>			
28	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	1
<b><u>Extra over all excavations for carting away</u></b>			
29	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	8
<b><u>Risk of collapse of excavations</u></b>			
30	Sides of trench and hole excavations not exceeding 1,5m deep	m2	15
<b><u>Keeping excavations free of water</u></b>			
31	Keeping excavations free of all water by hand, or mechanical means		Item
<b><u>Compaction of surfaces</u></b>			
32	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 97% Mod AASTHO density (or as stipulated by the Engineer)	m2	22
<b><u>Soil poisoning</u></b>			
33	Soil insecticide under floors, paving, etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	22
<b><u>Prescribed density tests on filling</u></b>			
34	Modified AASHTO density tests	No	5
Carried Forward			R
Bill No. 1 External Works <b>SECTION 3 - EXTERNAL WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

Brought Forward			R
<b><u>25MPa/19mm concrete</u></b>			
35	Surface beds cast in panels on waterproofing	m3	3
<b><u>Test Blocks</u></b>			
36	Making and testing set of three 150 x 150 x 150mm concrete strength test cubes	No	5
<b><u>Finishing top surfaces of concrete smooth with a wood float including non-slip brush finish</u></b>			
37	Surface beds, slabs, etc	m2	22
<b><u>Rough formwork to sides</u></b>			
38	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	22
<b><u>Isolation joints with 10mm "Sondor Jointex" or equal approved polyethylene joint former between vertical concrete and brick surfaces</u></b>			
39	10mm Joints not exceeding 300mm high	m	22
<b><u>Saw cut joints</u></b>			
40	10 x 20mm Saw cut joints in top of concrete	m	17
<b><u>Fabric reinforcement</u></b>			
41	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	22
<b><u>One layer 250 micron "Gunplas USB Green" polyethylene waterproofing sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u></b>			
42	On compacted earth under concrete surface beds, lapped 150 mm and sealed at all joints	m2	22
<b><u>Approved two-part grey polysulphide sealing compound including backing cord, bond breaker, primer etc</u></b>			
43	10 x 10mm In isolation joints in floors or walls including raking out expansion joint filler as necessary	m	22
Carried Forward			R
Bill No. 1 External Works <b>SECTION 3 - EXTERNAL WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

Brought Forward			R
	<b><u>Sikaflex 35SL or similar approved polyurethane sealing compound including backing cord, bond breaker, primer, etc</u></b>		
44	10 x 20mm In saw cut joints in floors including raking out joint filler as necessary	m	17
	<b><u>Screeds steel trowelled on concrete</u></b>		
45	30mm Thick on floors, landings etc	m2	22
	<b><u>ROADWORKS ETC</u></b>		
	<b><u>Removal of existing</u></b>		
46	Removal of existing paving bricks, clean and store on site, to be re-used later	m2	50
	<b><u>Excavation in earth not exceeding 2m deep</u></b>		
47	Rip and recompact 150mm thick layer to 93% Mod AASHTO Density (or as stipulated by the Engineer)	m3	158
48	Reduced levels for layerworks and deposit in spoil heaps	m3	178
	<b><u>Back excavation of vertical sides of excavation in earth for working space including backfilling compacted to 98% Mod AASHTO density</u></b>		
49	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	26
	<b><u>Extra over trench and hole excavations in earth for excavations in</u></b>		
50	Soft rock	m3	18
51	Hard rock	m3	9
	<b><u>Extra over back excavation in earth for working space for excavation in soft rock</u></b>		
52	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	3
Carried Forward			R
Bill No. 1 External Works <b>SECTION 3 - EXTERNAL WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

Brought Forward			R
<b><u>Extra over back excavation in earth for working space for excavation in hard rock</u></b>			
53	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	1
<b><u>Extra over all excavations for carting away</u></b>			
54	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	178
<b><u>Risk of collapse of excavations</u></b>			
55	Sides of trench and hole excavations not exceeding 1,5m deep	m2	26
<b><u>Keeping excavations free of water</u></b>			
56	Keeping excavations free of all water by hand, or mechanical means		Item
<b><u>Earth filling of G5 material supplied by the contractor compacted to 95% Mod. AASHTO density (or as stipulated by the Engineer)</u></b>			
57	Under paving, roadways etc	m3	158
<b><u>Compaction of surfaces</u></b>			
58	Compaction of ground surface under paving etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 98% Mod AASTHO density (or as stipulated by the Engineer)	m2	1,050
<b><u>Approved herbicide mixed in the proportion of 5ml herbicide to 1 litre water and applied at a rate of 1 litre per m2</u></b>			
59	Soil insecticide under paving, roadworks etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	1,050
<b><u>Prescribed density tests on filling</u></b>			
60	Modified AASHTO density tests	No	50
Carried Forward			R
Bill No. 1 External Works <b>SECTION 3 - EXTERNAL WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			

Brought Forward			R
<b><u>60mm "Corobrik" pavers all laid with butt joints on 20mm thick river sand swept into joints including preparation of ground or filling, or similar as per Architectural specifications</u></b>			
61	Previously cleaned paving to parking areas, etc laid to falls	m2	50
62	Paving 60mm thick (or as approved by architect) to parking areas, etc laid to falls	m2	1,000
<b><u>Sundries</u></b>			
63	Finished edges against kerbs, etc	m	150
<b><u>Precast concrete finished smooth on exposed surfaces including bedding, jointing and pointing</u></b>			
64	Mountable kerb (SABS 927 fig 6) 125 x 230mm high in 1m lengths, bedded, jointed and pointed in 20MPa 250 x 100mm thick footing, including excavation, bedding concrete, backfilling etc	m	150
<b><u>Etching primer and two coats of TP24 road marking paint on tar</u></b>			
65	Lines 100mm wide	m	167
66	Directional / information signage	No	5
<b><u>BUDGETARY ALLOWANCES</u></b>			
67	Allow a budgetary allowance of R20,000.00 (Twenty thousand rands) for the servicing of the existing external taps, pipes etc including all necessary remedial and repair works, to be allocated as per the instruction from the Principal Agent	Item	20,000.00
68	Allow a budgetary allowance of R20,000.00 (Twenty thousand rands) for the replacement of drain inlets/outlets / precast slab over channels to match existing, to be allocated as per the instruction from the Principal Agent	Item	20,000.00
69	Allow a budgetary allowance of R50,000.00 (Fifty thousand rands) for proving and cleaning pipework , to be allocated as per the instruction from the Principal Agent	Item	50,000.00
<b>Carried Forward</b>			R
Bill No. 1 External Works <b>SECTION 3 - EXTERNAL WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>			



Brought Forward		R
70	Allow a budgetary allowance of R35,000.00 (Thirty five thousand rands) for cleaning of all sewer and stormwater manholes, to be allocated as per the instruction from the Principal Agent	Item 35,000.00
71	Allow a budgetary allowance of R135,000.00 (One hundred and thirty five thousand rands) for the remedial works to walkways and staircases to Block A, B1 & D, once the assessment and design is complete	Item 135,000.00
72	Allow a budgetary allowance of R50,000.00 (Fifty thousand rands) for external works to be ascertained on site, to be allocated as per the instruction from the Principal Agent	Item 50,000.00
Carried to Summary		R
Bill No. 1 External Works <b>SECTION 3 - EXTERNAL WORKS</b> <b>KGAUHELO PRIMARY SCHOOL</b>		

SECTIONAL SUMMARY		Page No	Amount
1	External Works	102	
Sub Total carried forward to Final Summary			R
SECTION 3 - EXTERNAL WORKS			
KGAUHELO PRIMARY SCHOOL			

## **SECTION 4**

### **PROVISIONAL SUMS**

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION 4</u></b>  <b><u>BILL NO. 1</u></b>  <b><u>PROVISIONAL SUMS</u></b></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p>The following Provisional Amounts are for equipment, etc. supplied and installed or executed complete by firms or specialists to be nominated by the Client or his representative. It should be noted that these amounts are NET, (i.e. does NOT include 5% Builders Discount) and is EXCLUSIVE of any Tax (IVA). Attendance shall in all instances be deemed to include scaffolding and other facilities to be specially provided, prescribed protective measures, etc.</p> <p>In the event of the Contractor being awarded any one or more of the items allowed for in this Bill, then the related Profit and Attendance items would be omitted, and the item or items incorporated into these Bills of Quantities at the Tendered or Adjusted Rates or Value.</p> <p><b><u>PROVISIONAL SUMS FOR NOMINATED / SELECTED SUBCONTRACT WORKS</u></b></p> <p><b><u>TEMPORARY ACCOMODATION</u></b></p>			
1	Provide the sum of R4,130,000.00 (Four million one hundred and thirty thousand rands) for the purchase of, transportation, ground preparation works and erection of mobile classrooms and ablution facilities, including the regular maintenance of the ablution facilities for the duration of construction. The units are to be made good upon project completion and relocated to another site determined by the Principal Agent and/or Client, less than or equal to 200km from the site - all as per Architectural / Engineering specifications, to be performed by a specialist if required	Item		4,130,000.00
	<b>Carried Forward</b>		R	
	<p>Bill No. 1  Provisional Sums  <b>SECTION 4 - PROVISIONAL SUMS</b>  <b>KGAUHELO PRIMARY SCHOOL</b></p>			

Brought Forward		R
2	Allow for profit on last item	Item
3	Allow for attendance on last item	Item
<b><u>ELECTRICAL INSTALLATION</u></b>		
4	Provide the sum of R200,000.00 (Two hundred thousand rands) for the electrical installation and lightening protection complete, as per Architectural / Engineering specifications, to be performed by a specialist if required	Item 200,000.00
5	Allow for profit on last item	Item
6	Allow for attendance on last item	Item
<b><u>PLUMBING AND DRAINAGE</u></b>		
7	Provide the sum of R600,000.00 (Six hundred thousand rands) for the supply, installation and guarantee of all plumbing and drainage related items, to be performed by a specialist if required	Item 600,000.00
8	Allow for profit on last item	Item
9	Allow for attendance on last item	Item
<b>Carried to Summary</b>		R
Bill No. 1 Provisional Sums <b>SECTION 4 - PROVISIONAL SUMS</b> <b>KGAUHELO PRIMARY SCHOOL</b>		

SECTIONAL SUMMARY		Page No	Amount
1	Provisional Sums	105	
Sub Total carried forward to Final Summary			R
SECTION 4 - PROVISIONAL SUMS			
KGAUHELO PRIMARY SCHOOL			

## **FINAL SUMMARY**

Item No	Quantity	Rate	Amount
<b><u>FINAL SUMMARY</u></b>			
Section 1	Preliminaries and General		
Section 2	Repair and Maintenance Works		
Section 3	New Works		
Section 4	External Works		
Section 5	Provisional Sums		
Sub Total		R	
1	Allow the sum of R150,000.00 (One hundred and fifty thousand rands) i.e. R12,500.00 per month for the provision of a Community Liaison Officer for the duration of construction	Item	150,000.00
2	Allow the sum of R24,000.00 (Twenty four thousand rands) i.e. R2,000.00 per month for the provision of a Project Steering Committee for the duration of construction	Item	24,000.00
Sub Total		R	
3	Allow an amount of R1,500,000.00 for contingencies to be used at the discretion of the Principal Agent / Client and may be deducted in whole or in part	Item	1,500,000.00
Sub Total		R	
4	VAT @ 15%	%	
Final Total		R	
<b>Carried to Summary</b>			R
Bill No. 1 Project Final Summary			
<b>KGAUHELO PRIMARY SCHOOL</b>			