

## SECTION A - UMZIMKHULU JPS BOQ

Item No	Unit	Quantity	Rate	Amount
<p><b><u>SECTION NO.1</u></b></p> <p><b><u>BILL NO. 1</u></b></p> <p><b><u>PRELIMINARIES</u></b></p> <p><b><u>MEANING OF TERMS "TENDER / TENDERER"</u></b></p> <p>Any reference to the words "Tender" or Tenderer" herein and/or in any other documentation shall be constructed to have the same meaning as the words "Bid" or "Bidder"</p> <p><b>PRELIMINARIES</b></p> <p>The JBCC Principal Building Agreement Edition 4.1 Code 2101, March 2005 is taken to be incorporated herein. The tenderer is deemed to have referred to these documents for the full intent and meaning of each clause. These clauses are referred to by number and heading only. Where standard clauses or options are not applicable to the contractor such modifications or connections as are necessary are given under relevant clause. Where an item is not relevant to this specific contract such item is marked."N/A" signifying "Not Applicable"</p> <p><b>PRICING OF PRELIMINARIES</b></p> <p>Should Option A, as set out in clause B10.3.1 hereinafter be used for the adjustment of 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 provide under each item</p> <p>Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities</p> <p><b>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</b></p>				
<p style="text-align: right;"><b>Carried Forward</b></p>				<p style="text-align: center;">R</p>
<p>Section No. 1  Bill No. 1  Preliminaries  <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b></p>				

<p style="text-align: right;"><b>Brought Forward</b></p> <p><b>DEFINITIONS</b></p> <p><b>A1.0 DEFINITIONS AND INTERPRETATION</b></p> <p>Clause 1.0 Clause</p> <p>Clause 1.1 Definition of "<b>Commencement Date</b>" is added:</p> <p><b>'COMMENCEMENT DATE'</b> means the date that the <b>agreement</b>, made in terms of the Form of Offer and Acceptance, comes into effect</p> <p>Clause 1.1 Definition of "<b>Construction Guarantee</b>" is amended by replacing it with the following:</p> <p><b>"CONSTRUCTION GUARANTEE"</b> means a guarantee at call obtained by the <b>contractor</b> from an institution approved by the <b>employer</b> in terms of the <b>employer's</b> construction guarantee form as selected in the <b>schedule</b></p> <p>Clause 1.1 Definition of "<b>Construction Period</b>" is amended by replacing it with the following:</p> <p><b>"CONSTRUCTION PERIOD"</b> means the period commencing on the <b>commencement date</b> and ending on the date of <b>practical completion</b></p> <p>Clause 1.1 Definition of '<b>Corrupt Practice</b>' is added:</p> <p><b>"CORRUPT PRACTICE"</b> means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.</p> <p>Clause 1.1 Definition of "<b>Fraudulent Practice</b>" is added:</p>					<p style="text-align: center;">R</p>
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 1 Bill No. 1 Preliminaries <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b></p>					<p style="text-align: center;">R</p>

<p style="text-align: right;"><b>Brought Forward</b></p> <p><b>"FRAUDULENT PRACTICE"</b> means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition</p> <p>Clause 1.1 Definition of <b>"Interest"</b> is amended by replacing it with the following:</p> <p><b>"INTEREST"</b> means the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance, from time to time, in terms of section 80 (1) (b) of the Public Finance Management Act, 1999 (Act No.1 of 1999)</p> <p>Clause 1.1 Definition of <b>"Principal Agent"</b> is amended by replacing it with the following:</p> <p><b>"PRINCIPAL AGENT"</b> means the person or entity appointed by the <b>employer</b> and named in the <b>schedule</b>. In the event of a <b>principal agent</b> not being appointed, then all the duties and obligations of a <b>principal agent</b> as detailed in the <b>agreement</b> shall be fulfilled by a representative of the <b>employer</b> as named in the <b>schedule</b></p> <p>Clause 1.1 Definition of <b>"Security"</b> is amended by replacing it with the following:</p> <p><b>"SECURITY"</b> means the form of security provided by the <b>employer</b> or <b>contractor</b>, as stated in the <b>schedule</b>, from which the <b>contractor</b> or <b>employer</b> may recover expense or loss</p> <p>Clause 1.6 is amended by replacing the words "prepaid registered post, telefax or e-mail" with "prepaid registered post or telefax"</p> <p>Clause 1.6.4 is amended by replacing it with the following:</p>	<p style="text-align: right;">R</p>	
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 1  Bill No. 1  Preliminaries  <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b></p>		<p style="text-align: right;">R</p>

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	<b>Brought Forward</b>			<b>R</b>	
	No clause				
1	Fixed:_____Value related:_____ Time Related:_____	Item			
	<b>OBJECTIVE AND PREPARATION</b>				
	<b>A2.0 OFFER, ACCEPTANCE AND PERFORMANCE</b>				
	Clause 2.0				
2	Fixed:_____ Value Related:_____ Time Related:_____	Item			
	<b>A3.0 DOCUMENTS</b>				
	Clause 3.0				
	Clause 3.2.1 is amended by replacing "14.1" with "14.0"				
	Clause 3.7 is amended by the addition of the following:				
	“The <b>contractor</b> shall keep a copy of all drawings, schedules, unpriced <b>bills of quantities/lump sum document, contract instructions</b> , minutes of site and other meetings, health and safety files as specified in the scope of work, risk register, claims and variation order register, labour records and subcontractors contracts on the <b>site</b> to which the <b>employer, principal agent</b> and <b>agents</b> shall have access at all times. The <b>employer</b> has the right to call for such further information from the <b>contractor</b> it deems necessary in the event it carries out any investigation or audit into potential fraud, corruption, fronting, health and safety incidents or verifying information the <b>contractor</b> has to supply to the <b>employer</b> in terms of this agreement. The Contractor shall ensure a similar right for the Employer with its subcontractors.				
3	Clause 3.10 is amended by replacing the second reference to " <b>principal agent</b> " with the word " <b>employer</b> "	Item			
4	Fixed:_____ Value Related:_____ Time Related:_____	Item			
	<b>Carried Forward</b>			<b>R</b>	
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	<b>Brought Forward</b>			R	
	Clause 8.0				
11	Fixed_____ Value Related_____ Time Related_____	Item			
	<b>A9.0 INDEMINITIES</b>				
	Clause 9.0				
12	Fixed_____ Value Related_____ Time Related_____	Item			
	<b>A10.0 WORKS INSURANCES</b>				
	Clause 10.0				
	Clause 10.0 is amended by the addition of the following clauses:				
	<b>10.5 Damage to the Works</b>				
	(a) Without in any way limiting the <b>contractor's</b> obligations in terms of the contract, the <b>contractor</b> shall bear the full risk of damage to and/or destruction of the <b>works</b> by whatever cause during construction of the <b>works</b> and hereby indemnifies and holds harmless the <b>employer</b> against any such damage. The contractor shall take such precautions and security measures and other steps for the protection and security of the <b>works</b> as the <b>contractor</b> may deem necessary.				
	(b) The <b>contractor</b> shall at all times proceed immediately to remove or dispose of any debris arising from the damage to or destruction of the <b>works</b> and to rebuild, restore, replace and/or repair the <b>works</b>				
	(c) The <b>employer</b> shall carry the risk of damage to or destruction of the <b>works</b> and materials paid for by the <b>employer</b> that is the result of the excepted risks as set out in 10.6				
	<b>Carried Forward</b>			R	
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<p>(d) Where the <b>employer</b> bears the risk in terms of this contract, the <b>contractor</b> shall, if requested to do so, reinstate any damage or destroyed portions of the <b>works</b> and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof</p> <p><b>10.6 Injury to Persons or loss of or damage to Properties</b></p> <p>(a) The <b>contractor</b> shall be liable for and hereby indemnifies the <b>employer</b> against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or death of any person whomsoever arising out of or in the course of or caused by the execution of the <b>works</b> unless due to any act or negligence of any person for whose actions the <b>employer</b> is legally liable</p> <p>(b) The <b>contractor</b> shall be liable for and hereby indemnifies the <b>employer</b> 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 <b>site</b>, whether belonging to or under the control of the <b>employer</b> or any other body or person, arising out of or in the course of or by reason of the execution of the <b>works</b> unless due to any act or negligence of any person for whose actions the <b>employer</b> is legally liable</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>Brought Forward</p>	<p>R</p>
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<p style="text-align: right;"><b>Brought Forward</b></p> <p>(e )Where the execution of the <b>works</b> 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 obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the <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><b>10.7.1 Damage to the works</b></p> <p>The <b>contractor</b> shall, from the <b>commencement 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 <b>principal agent</b>, the <b>contractor</b> 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 <b>works</b>, at the <b>contractor's</b> own costs.</p>			R	
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 1 Bill No. 1 Preliminaries <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b></p>			R	

<b>Brought Forward</b>			R	
<p><b>10.7.2 Injury to persons or loss of or damage to property</b></p> <p>The <b>contractor</b> shall be liable for and hereby indemnifies and holds harmless the <b>employer</b> against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above.</p> <p>The <b>contractor</b> shall be liable for and hereby indemnifies the <b>employer</b> against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the <b>site</b>, whether belonging to or under the control of the <b>employer</b> or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract.</p> <p><b>10.7.3</b> It is the responsibility of the <b>contractor</b> to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the <b>contractor's</b> obligations in terms of the contract, the <b>contractor</b> shall, within twenty-one (21) <b>calendar days</b> of the <b>commencement date</b> but before commencement of the <b>works</b>, submit to the <b>employer</b> proof of such insurance policy, if requested to do so</p> <p>10.7.4 The <b>employer</b> shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the <b>contractor's</b> default of his obligations as set out in 10.7.1; 10.7.2 and 10.7.3. Such losses or damages may be recovered from the <b>contractor</b> or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the <b>employer</b> and the <b>contractor</b> and for this purpose all these contracts shall be considered one indivisible whole.</p>				
<b>Carried Forward</b>			R	
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13	Fixed _____ Related _____ Time Related _____  <b>A11.0 LIABILITY INSURANCES</b>  Clause 11.0	Item			
14	Fixed _____ Value Related _____ Time Related _____  <b>A12.0 EFFECTING INSURANCES</b>  Clause 12.0	Item			
15	Fixed _____ Value Related _____ Time Related _____  A13.0 No clause  <b>A14.0 SECURITY</b>  Clause 14.0  Clause 14.1 - 14.8 are amended by replacing them with the following:  14.1 In respect of contracts with a <b>contract sum</b> up to R1 million, the <b>security</b> to be provided 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)  14.1.1 The payment reduction of the value certified in payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(A)  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>employer's</b> entitlement shall take precedence over his obligations to refund the payment reduction <b>security</b> or portions thereof to the <b>contractor</b>	Item			
	<b>Carried Forward</b>			R	
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<p style="text-align: right;"><b>Brought Forward</b></p> <p>14.2 In respect of contracts with a contract sum 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 employer within twenty-one (21) calendar days from the commencement date. should the <b>contractor</b> fail to select the security 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> <p>14.3.3 Within twenty-one (21) <b>calendar days</b> of the date of <b>final completion</b> of the works the employer 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>employer's</b> entitlement shall take precedence over his obligations to refund the cash deposit <b>security</b> or portions thereof of the <b>contractor</b>.</p>	<p style="text-align: right;">R</p>	
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 1 Bill No. 1 Preliminaries <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b></p>	<p style="text-align: right;">R</p>	

<p style="text-align: right;"><b>Brought Forward</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 <b>construction guarantee</b> 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 <b>construction guarantee</b> 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 <b>construction guarantee</b> shall reduce and expire in terms of the Variable <b>Construction Guarantee</b> form included in the invitation to tender.</p> <p>14.4.3 The <b>employer</b> shall return the variable <b>construction guarantee</b> 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 <b>construction guarantee</b>.</p> <p>14.5 Where <b>security</b> as a fixed <b>construction guarantee</b> of five percent (5%) of the <b>contract sum</b> (excluding VAT) and a five per cent (5%) payment reduction of the value certified in the <b>payment certificate</b> (excluding VAT) has been selected:</p> <p>14.5.1 The <b>contractor</b> shall furnish a fixed <b>construction guarantee</b> 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 <b>construction guarantee</b> shall come into force on the date of issue and shall expire on the date of the last certificate of <b>practical completion</b>.</p>					R
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 1 Bill No. 1 Preliminaries <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b></p>					R

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14.5.3 The <b>employer</b> shall return the fixed <b>construction guarantee</b> to the contractor within fourteen (14) <b>calendar days</b> of it expiring.		
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		
14.5.5 Where the <b>employer</b> has the 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 <b>construction guarantee</b> or may recover from the payment reduction or may do both.		
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:		
14.6.1 The <b>contractor</b> shall furnish the <b>employer</b> with a cash deposit equal in the 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> .		
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> .		
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)		
14.6.4 Where the <b>employer</b> has the right of recovery against the contractor 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.		
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:		
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)		
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	<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>employer's</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 <b>construction guarantee</b> shall not prejudice the rights of the <b>employer</b> or <b>contractor</b> in terms of this <b>agreement</b></p>				
16	<p>Fixed _____ Value Related _____ Time Related _____</p> <p><b>EXECUTION</b></p> <p><b>A15.0 PREPARATION FOR AND EXECUTION OF THE WORKS</b></p> <p>Clause 15.0</p> <p>Clause 15.1.1 is amended by replacing it with:</p> <p>No clause</p> <p>Clause 15.1.2 is amended by replacing it with:</p> <p>The <b>security</b> selected in terms of 14.0</p> <p>Clause 15.1 amended by the addition of the following clause:</p> <p>15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within twenty-one (21) <b>calendar days</b> of <b>commencement date</b>.</p> <p>Clause 15.2.1 is amended by replacing it with the following clause:</p>	Item			
	<b>Carried Forward</b>			<b>R</b>	
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	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 15.1.4				
17	Fixed_____Value Related_____Time Related_____	Item			
	<b>A16.0 ACCESS TO THE WORKS</b>				
	Clause 16.0				
18	Fixed_____Value Related_____Time Related_____	Item			
	<b>A17.0 CONTRACT INSTRUCTIONS</b>				
	Clause 17.0				
	Clause 17.1.11 is amended by deleting the words "and the appointment of <b>nominated</b> and <b>selected subcontractors</b> "				
19	Fixed_____Value Related_____Time Related_____	Item			
	<b>A18.0 SETTING OUT OF THE WORKS</b>				
	Clause 18.0				
20	Fixed_____Value Related_____Time Related_____	Item			
	<b>A19.0 ASSIGNMENT</b>				
	Clause 19.0				
21	Fixed_____Value Related_____Time Related_____	Item			
	<b>A20.0 NOMINATED SUB-CONTRACTORS</b>				
	Clause 20.0				
	<b>Carried Forward</b>			R	
	Section No. 1 Bill No. 1 Preliminaries <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>				



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	<b>Brought Forward</b>			R	
	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 <b>nominated subcontractors</b> executing work allowed for under provisional sums				
22	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>A21.0 SELECTED SUBCONTRACTORS</b>				
	Clause 21.0				
	Clause 21 is amended by replacing it with:				
	No clause				
23	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>A22.0 EMPLOYERS DIRECT CONTRACTORS</b>				
	Clause 22.0				
24	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>A23.0 CONTRACTOR'S DOMESTIC SUBCONTRACTORS</b>				
	Clause 23.0				
25	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>COMPLETION</b>				
	<b>A24.0 PRACTICAL COMPLETION</b>				
	Clause 24.0				
	<b>Carried Forward</b>			R	
	Section No. 1				
	Bill No. 1				
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	<b>Brought Forward</b>			<b>R</b>	
26	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>A25.0 WORKS COMPLETION</b>				
	Clause 25.0				
27	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>A26.0 FINAL COMPLETION</b>				
	Clause 26.0				
	Clause 26.1.2 is amended by inserting "#" next to 26.1.2				
28	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>A27.0 LATENT DEFECTS LIABILITY PERIOD</b>				
29	Clause 27.0	Item			
30	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>A28.0 SECTIONAL COMPLETION</b>				
31	Clause 28.0	Item			
32	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>A29.0 REVISION OF DATE FOR PRACTICAL COMPLETION</b>				
	Clause 29.0				
33	Clause 29.2.5 is amended by replacing it with:	Item			
34	No clause	Item			
	<b>Carried Forward</b>			<b>R</b>	
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	<b>Brought Forward</b>			R	
35	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>A30.0 PENALTY FOR NON-COMPLETION</b>				
	Clause 30.0				
	R7 400 per calendar				
36	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>PAYMENT</b>				
	<b>A31.0 INTERIM PAYMENT TO THE CONTRACTOR</b>				
	Clause 31.0				
	Clause 31.5.2 is amended by replacing "14.7.1" with "14.0"				
	Clause 31.8 is amended by replacing it with the following two alternative clauses:				
	<b>Alternative A</b>				
	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:				
	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>				
	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>				
	<b>Carried Forward</b>			R	
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<p style="text-align: right;"><b>Brought Forward</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> <p><b>Alternative B</b></p> <p>31.8(B) Where <b>security</b> as a payment reduction in terms of 14.7 has been selected, 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(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></p> <p>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></p> <p>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 <b>final payment certificate</b> in terms of 34.6</p> <p>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 <b>final payment certificate</b></p> <p>Clause 31.12 is amended by deleting the following:</p>			R	
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 1 Bill No. 1 Preliminaries <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b></p>			R	

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	<b>Brought Forward</b>		R	
	Payment shall be subject to the <b>employer</b> giving the <b>contractor</b> a tax invoice for the amount due			
37	Fixed_____Value Related_____Time Related_____	Item		
	<b>A32.0 ADJUSTMENT TO THE CONTRACT VALUE</b>			
38	Clause 32.0	Item		
39	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:	Item		
40	"due to no fault of the <b>contractor</b> "	Item		
41	Fixed_____Value Related_____Time Related_____	Item		
	<b>A33.0 RECOVERY OF EXPENSE AND LOSS</b>			
42	Clause 34.0	Item		
43	Fixed_____Value Related _____Time Related_____	Item		
	<b>A34.0 FINAL ACCOUNT AND FINAL PAYMENT</b>			
	Clause 34.0			
	Clause 34.1 is amended by removing "#" next to 34.1			
	Clause 34.2 is amended by inserting "#" next to 34.2			
	Clause 34.8 is amended by deleting the words "where <b>security</b> as a fixed <b>construction guarantee</b> in terms of 14.4 has been selected or where payment reduction has been applied in terms of 14.7.1"			
	Clause 34.13 is amended by replacing "seven (7) <b>calender 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"			
44	Fixed_____Value Related_____Time Related_____	Item		
	<b>Carried Forward</b>		R	
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	<b>Brought Forward</b>			<b>R</b>
	<b>A35.0 PAYMENT TO OTHER PARTIES</b>			
	Clause 35.0			
45	Fixed _____ Value Related _____ Time Related _____	Item		
	<b>CANCELLATION</b>			
	<b>A36.0 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT</b>			
	Clause 36.0			
	Clause 36.1 is amended by the addition of the following clauses:			
	36.1.3 refuses or neglects to comply strictly with any of the conditions of the contract			
	36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa			
	Clause 36.1.5 In the judgement of the <b>employer</b> , has engaged in <b>corrupt</b> or <b>fraudulent practices</b> in competing for or in executing the contract			
	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			
46	Fixed _____ Value Related _____ Time Related _____	Item		
	<b>Carried Forward</b>			<b>R</b>
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	<b>Brought Forward</b>			R	
	<p><b>A37.0 CANCELLATION BY EMPLOYER LOSS AND DAMAGE</b></p> <p>Clause 37.0</p> <p>Clause 37.3.5 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)"</p> <p>Clause 37.0 is amended by the addition of the following clause:</p> <p>37.5 Notwithstanding any clause to the contrary, on cancellation of this <b>agreement</b> either by the <b>employer</b> or the <b>contractor</b>; or for any reason whatsoever, the <b>contractor</b> shall on written instruction, discontinue with the <b>works</b> on a date stated and withdraw himself from the <b>site</b>. The contractor 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>				
47	<p>Fixed _____ Value Related _____ Time Related _____</p> <p><b>A38.0 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT</b></p> <p>Clause 38.0</p> <p>Clause 38.5.4 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)"</p> <p>Clause 38.0 is amended by the addition of the following clause:</p> <p>38.7 Notwithstanding any clause to the contrary, on cancellation of this <b>agreement</b> either by the <b>employer</b> or the <b>contractor</b>; or for any reason whatsoever, the <b>contractor</b> shall on written instruction, discontinue with the <b>works</b> on a date stated and withdraw himself from the <b>site</b>. The contractor 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>	Item			
	<b>Carried Forward</b>			R	
	<p>Section No. 1 Bill No. 1 Preliminaries <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b></p>				

	Brought Forward	R
48	<p><b>A39.0 CANCELLATION - CESSATION OF THE WORKS</b></p> <p>Clause 39.0</p> <p>Clause 39.3.5 is amended by the addition of the following at the end of the sentence:</p> <p>"within one hundred and twenty (120) <b>working days</b> of completion of such a report"</p> <p>Fixed _____ Value Related _____ Time Related _____</p> <p><b>DISPUTE</b></p> <p><b>A40.0 DISPUTE SETTLEMENT</b></p> <p>Clause 40.0</p> <p>Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years"</p> <p>Clause 40.6 is amended by removing the reference to:</p> <p>No Clause</p> <p>Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following:</p> <p>Whether or not mediation resolves the dispute, the parties shall bear their own costs concerning the mediation and equally share the costs of the <b>mediator</b> and related costs</p> <p>Fixed _____ Value Related _____ Time Related _____</p> <p><b>SUBSTITUTE PROVISIONS</b></p> <p><b>A41.0 STATE CLAUSES</b></p> <p>Clause 41.0</p>	Item
49	<p><b>Carried Forward</b></p> <p>Section No. 1 Bill No. 1 Preliminaries <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b></p>	Item
		R



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	<b>Brought Forward</b>		R	
50	Fixed_____Value Related_____Time Related_____	Item		
	<b>CONTRACT DATA</b>			
	<b>A42.0 PRE-TENDER INFORMATION</b>			
51	Fixed_____Value Related_____Time Related_____	Item		
	Clause 42.1			
	<b>CONTRACTING AND OTHER PARTIES</b>			
	42.1.1			
	<b>Employer:</b>			
	<b>Development Bank of Southern Africa</b> 1258 Lever Road, Headway Hill, Midrand, 1685			
	42.1.2			
	<b>Principal Agent:</b>			
	<b>N/A</b>			
	Clause 42.2			
	<b>CONTRACT DETAILS</b>			
	42.2.1			
	Works Description			
	<b>Repairs and Renovations, Upgrading And Alterations to the Umzimkhulu Junior Secondary School</b>			
	<b>Carried Forward</b>		R	
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<b>Brought Forward</b>				R
42.2.2 Site Description				
Umzimkhulu Junior Secondary School KwaZulu Natal				
GPS Coordinates: 30° 15' 58.201" S, 29° 56' 12.361" E				
42.2.3 Work or installations by others				
N/A				
42.2.4 This agreement is for government contract where there are specific options that are applicable to a <b>STATE</b> organ only				
42.2.5 The date on which possession of the site shall be given to the contractor will be determined <b>after all the requirements are met</b> by the successful contractor.				
42.2.6 Period for the commencement of the works after the contractor takes possession of the site shall be seven (7) days.				
42.2.7 Completion of the work as a whole will be required;				
42.2.8 For the works <b>as a whole</b> the intended date of practical completion and penalty per calendar day shall be:				
<b>Penalty Amount</b> R7 400 / calendar day				
<b>Date</b> The date for practical completion is eight <b>(8) months</b> after site handover.				
<b>Carried Forward</b>				R
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<b>Brought Forward</b>			<b>R</b>	
42.2.12 Payment for materials and goods on site shall be made				
42.2.13 The Law applicable to this contract shall be that of South Africa (Country)				
42.2.14 The contract dispute resolution shall be arbitration				
42.2.15 The arbitration rules shall be as recommended by Association of Arbitrators (SA)				
Clause 42.3 <b>INSURANCES</b>				
42.3.1 Construction risk effected by Contractor shall be limited to Contract Sum Plus 20%				
42.3.2 Contract works insurance to be effected by Contractor is the full value of works				
42.3.3 Public liability insurance to be effected by Contractor For the amount of R 3,500 000.00 per event				
Clause 42.4 <b>DOCUMENTS</b>				
42.4.1 Waiver of contractor's lien is required, the client shall provide a payment guarantee				
42.4.2 Three <b>(3)</b> copies of construction documentation to be supplied to the contractor free of charge				
<b>Carried Forward</b>			<b>R</b>	
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	<b>Brought Forward</b>			<b>R</b>	
	<p>42.4.3 <b>Bills of Quantities</b> drawn up in accordance with the Standard System of Measuring Building Work issued by The Association of South African Quantity Surveyors</p> <p>Edition No.6 Amendment 1999 as amended</p> <p>42.4.4 The priced bill of quantities to be submitted with the tender</p> <p>42.4.5 JBCC Engineering General Conditions are to be included with the contract documents N/A</p> <p>42.4.6 Alternative where the contract is not to be adjusted using CPAP N/A</p> <p>42.4.7 Details of changes made to the provisions of JBCC standard documentation</p> <p><b>SECTION B: JBCC PRELIMINARIES</b></p> <p><b>B1.0 DEFINITIONS AND INTERPRETATION</b></p> <p><b>B1.1 Definitions and interpretation</b></p> <p>See also clause A1.0 of Section A for additional and/or amended definitions which shall apply equally to this Section</p>				
52	<p>Fixed_____Value Related_____Time Related_____</p> <p><b>B2.0 DOCUMENTS</b></p> <p><b>B2.1 Checking of documents</b></p>	Item			
	<b>Carried Forward</b>			<b>R</b>	
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	<b>Brought Forward</b>			<b>R</b>	
53	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B2.2 Provisional bills of quantities</b>				
54	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B2.3 Availability of construction documentation</b>				
55	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B2.4 Interests of agents</b>				
56	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B2.5 Priced documents</b>				
57	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B2.6 Tender submission</b>				
	Clause 2.6 is amended by replacing "JBCC form of tender" with "Form of Offer and Acceptance"				
58	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B3.0 THE SITE</b>				
	<b>B3.1 Defined works area</b>				
59	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B3.2 Geotechnical investigation</b>				
60	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B3.3 Inspection of the site</b>				
	<b>Carried Forward</b>			<b>R</b>	
	Section No. 1				
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	<b>Brought Forward</b>			R	
61	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B3.4 Existing premises occupied</b>				
62	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B3.5 Previous work - dimensional accuracy</b>				
	All dimensions are to be taken on site				
63	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B3.6 Previous work - defects</b>				
64	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B3.7 Services - known</b>				
65	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B3.8 Services - unknown</b>				
66	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B3.9 Protection of trees</b>				
67	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B3.10 Articles of value</b>				
68	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B3.11 Inspection of adjoining properties</b>				
69	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>Carried Forward</b>			R	
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	Brought Forward		R	
	<b>B4.0 MANAGEMENT OF CONTRACT</b>			
	<b>B4.1 Management of the works</b>			
70	Fixed _____ Value Related _____ Time Related _____	Item		
	<b>B4.2 Programme for the works</b>			
71	Fixed _____ Value Related _____ Time Related _____	Item		
	<b>B4.3 Progress meetings</b>			
72	Fixed _____ Value Related _____ Time Related _____	Item		
	<b>B4.4 Technical meetings</b>			
73	Fixed _____ Value Related _____ Time Related _____	Item		
	<b>B4.5 Labour and plants records</b>			
74	Fixed _____ Value Related _____ Time Related _____	Item		
	<b>B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURES' INSTRUCTIONS</b>			
	<b>B5.1 Samples of materials</b>			
75	Fixed _____ Value Related _____ Time Related _____	Item		
	<b>B5.2 Workmanship samples</b>			
76	Fixed _____ Value Related _____ Time Related _____	Item		
	<b>Carried Forward</b>		R	
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		Brought Forward			R
	<b>B5.3 Shop drawings</b>  Notwithstanding the content of this clause, will the following be specific shop drawing requirements that needs to be complied with.  Specific shop drawings of routes, elevations and details required - All steel work - Roof construction - All electrical work				
77	Fixed_____Value Related_____Time Related_____		Item		
	<b>B5.4 Compliance with manufacture's instructions</b>				
78	Fixed_____Value Related _____Time Related_____		Item		
	<b>B6.0 TEMPORARY WORKS AND PLANT</b>				
	<b>B6.1 Deposits and fees</b>				
79	Fixed_____Value Related _____Time Related_____		Item		
	<b>B6.2 Enclosure of the works</b>  The <b>contractor</b> shall erect, maintain and remove at completion, hoarding with gantries, fans, safety screens, barriers, access gates, covered gangways and the like as necessary for the enclosures of the <b>works</b> and elements thereof all for the protection of the public and others.				
80	Fixed_____Value Related_____Time Related_____		Item		
	<b>B6.3 Advertising</b>  Fixed_____Value Related_____Time Related_____				
		Carried Forward			R
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	<b>Brought Forward</b>			<b>R</b>	
	<b>B6.4 Plant, equipment, sheds and offices</b>				
81	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B6.5 Main notice board</b>				
82	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B6.6 Subcontractor's notice board</b>				
83	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B7.0 TEMPORARY SERVICES</b>				
	<b>B7.1 Location</b>				
84	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B7.2 Water</b>				
85	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B7.3 Electricity</b>				
86	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B7.4 Telecommunication facilities</b>				
87	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B7.5 Ablution facilities</b>				
88	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>Carried Forward</b>			<b>R</b>	
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	<b>Brought Forward</b>			<b>R</b>	
	<b>B8.0 PRIME COST AMOUNTS</b>				
	<b>B8.1 Responsibility for prime cost amounts</b>				
89	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B9.0 FINANCIAL ASPECTS</b>				
	<b>B9.1 General Attendance</b>				
90	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B9.2 Special attendance</b>				
91	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B9.3 Commissioning - fuel, water and electricity</b>				
92	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B10.0 FINANCIAL ASPECTS</b>				
	<b>B10.1 Statutory taxes, duties and levies</b>				
93	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B10.2 Payment for preliminaries</b>				
	<b>Option [B] shall apply</b>				
94	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B10.3 Adjustment of preliminaries</b>				
	Clauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) <b>working days</b> of taking possession of the <b>site</b> " with "when submitting his priced <b>Bills of quantities / lump sum document</b> "				
	<b>Carried Forward</b>			<b>R</b>	
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95	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B10.4 Payment certificate cash flow</b>				
96	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B11.0 GENERAL</b>				
	<b>B11.1 Protection of the works YES</b>				
97	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B11.2 Protection / isolation of existing / sectionally occupied works YES</b>				
98	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B11.3 Security of the works</b>				
99	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B11.4 Notice before covering the work</b>				
100	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B11.5 Disturbance</b>				
101	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B11.6 Environmental disturbance</b>				
102	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B11.7 Works cleaning and clearing</b>				
	<b>Carried Forward</b>			<b>R</b>	
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[illegible]

<div>Brought Forward</div> <div><p>This <b>schedule</b> 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 <b>Preliminaries</b>.</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 annexured hereto and cross-referenced to the applicable clause of the <b>schedule</b>. Key cross reference clauses are italicised in [ ] brackets</p></div> <div><div>12.1PRE-TENDER INFORMATION</div><div><div>12.1.1Provisional Bills of Quantities</div><div><div>(2.2)The quantities are provisional</div><div>YES</div></div><div><div>12.1.2Availability of construction documentation</div><div><div>(2.3)Construction documentation is complete</div><div>NO</div></div><div><div>12.1.3Interest of agents</div><div><div>(2.4)Details</div><div><div>12.1.4Defined works area</div><div>(3.1)</div><div>The works are to be constructed on an existing operational court building</div></div></div><div><div>12.1.5Geotechnical investigation</div><div>(3.2)Details:</div><div>Included in the tender document</div></div></div></div><div><div>Carried Forward</div><div>Section No. 1</div><div>Bill No. 1</div><div>Preliminaries</div><div>UMZIMKHULU JUNIOR SECONDARY SCHOOL</div></div></div></div>		<div>R</div>
		<div>R</div>

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<p><b>12.1.6 Existing premises occupied</b> (3.4) Specific requirements:</p> <p>Tenderers will have to liaise with Court Management in order to program the work in such a way as to cause least inconvenience</p>				
<p><b>12.1.7 Previous work - dimensional accuracy</b> (3.5) Details:</p>				
<p><b>12.1.8 Previous work defects</b> (3.6) Details:</p>				
<p><b>12.1.9 Services - known</b> (3.7) Details:</p>				
<p><b>12.1.10 Protection of trees</b> (3.9) Specific requirements:</p> <p>All trees should be protected and only on instruction of the principal agent may any trees be removed</p>				
<p><b>12.1.11 Inspection of adjoining properties</b> (3.11) Specific requirements:</p>				
<p><b>12.1.12 Enclosure of the works</b> (6.2) Specific requirements:</p>				
<p><b>12.1.13 Offices</b> (6.4.3) Specific requirements</p> <p>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 electrical 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>				
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<p style="text-align: right;"><b>Brought Forward</b></p> <p><b>12.1.14 Main notice board</b> [6.5] Specific requirements</p> <p>The <b>contractor</b> shall provide, erect where directed maintain and remove on completion of the works a notice board size 3 x 3m (drawing to be provided by PA), 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 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><b>12.1.15 Subcontractors' notice board</b> [6.5] A notice board is required Specific requirements No</p> <p><b>12.1.16 Water</b> 7.20 option A (by contractor) <b>YES</b> option B (by employer - free of charge) option C (by employer - metered)</p> <p><b>12.1.17 Electricity</b> [7.3] option A (by contractor) <b>YES</b> option B (by employer - free of charge) option C (by employer - metered)</p> <p><b>12.1.18 Telecommunications</b> [7.4] option A (by contractor) <b>YES</b> option B (by employer - free of charge) option C (by employer - metered)</p> <p>Telephone Facsimile E-mail</p>			R	
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 1 Bill No. 1 Preliminaries <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b></p>			R	

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<b>Brought Forward</b>			<b>R</b>	
12.1.19 <b>Ablution Facilities</b>				
[7.5] option A (by contractor) <b>YES</b>				
option B (by employer - free of charge)				
option C (by employer - metered)				
12.1.20 <b>Protection of existing / sectionally occupied works</b> [11.2] Protection required				
				N/A
12.1.21 <b>Special Attendance</b>				
[9.2] Subcontractor (1) details:				
Subcontractor (2) details:				
Subcontractor (3) details:				
Subcontractor (4) details:				
12.1.22 <b>Protection of the works</b>				
[11.1] Special 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] Special requirements				
12.2 <b>POST-TENDER INFORMATION</b>				
12.2.1 <b>Payment of preliminaries</b>				
[10.2] Option A (pro rated)				YES/NO
Option B (calculated)				YES/NO
12.2.2 <b>Adjustment of preliminaries</b>				
[10.30] Option A (three categories)				YES/NO
Option B (detailed breakdown)				YES/NO
YES/NO				
<b>Carried Forward</b>			<b>R</b>	
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	<p>12.2.3 <b>Additional agreed preliminaries items</b> Details: N/A</p> <p><b>SECTION C: SPECIFIC PRELIMINARIES</b></p> <p>Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item</p> <p><b>C1.0 CONTRACT DRAWINGS</b></p> <p>The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the <b>works</b> and the manner in which they are to be executed</p> <p>A full set of drawings is issued with the tender documents indicating the full scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed</p> <p>Should any part of the drawings not be clearly understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the <b>principal agent</b></p>				
110	Fixed_____Value Related_____Time Related	Item			
	<p><b>C2.0 GENERAL PREAMBLES</b></p>				
	<b>Carried Forward</b>			<b>R</b>	
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	<p>The document "Construction Works: Specifications: General Specification (PW371-A) edition 2.0" is obtainable on the Department's website (<a href="http://www.publicworks.gov.za/">http://www.publicworks.gov.za/</a> under "Consultants Guidelines") or from the head office and all regional offices of the Department, and shall be read in conjunction with the <b>bills of quantities</b> and be referred to for the full description of work to be done and materials to be used</p> <p>The document "Construction Works: Specifications: Particular Specification (PW371-B) edition 2.0" is issued together with the drawings and shall be read in conjunction with the drawings and the <b>bills of quantities</b></p>				
111	<p>Fixed _____ Value Related _____ Time Related _____</p> <p><b>C3.0 TRADE NAMES</b></p> <p>Wherever trade name for any product has been described in the bill of quantities, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the <b>principal agent</b> being obtained prior to the closing date for submission of tender</p> <p>if prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for</p>	Item			
112	<p>Fixed _____ Value Related _____ Time Related _____</p> <p><b>C4.0 IMPORTED MATERIALS AND EQUIPMENT</b></p>	Item			
	<b>Carried Forward</b>			R	
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	<p>Where imported items are listed in the tender documents, the tendere shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations, (refer to Schedule of Imported Materials and Equipment DPW23 to be completed by tenderer)</p> <p>Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable)</p>			
113	<p>Fixed_____Value Related_____Time Related_____</p> <p><b>C5.0 VIEWING THE SITE IN SECURITY AREAS</b></p> <p>The <b>site</b> is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer to obtain permission to enter the <b>site</b> for tendering purposes N/A</p>	Item		
114	<p>Fixed_____Value Related_____Time Related_____</p> <p><b>C6.0 COMMENCEMENT OF WORKS IN SECURITY AREAS</b></p> <p>As the <b>works</b> falls within a security area the <b>contractor</b> must give the unit commander or other responsible officer notice before commencement of the <b>works</b>. Should the <b>contractor</b> fail to make such arrangements, admission to the <b>site</b> may be refused and any additional costs will be for the <b>contractor's</b> account N/A</p>	Item		
115	<p>Fixed_____Value Related_____Time Related_____</p> <p><b>C7.0 ENTRANCE PERMITS TO SECURITY AREAS</b></p>	Item		
	<b>Carried Forward</b>			<b>R</b>
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	<p>As the works falls within a security area the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police, or Chief Security Officer.</p> <p style="text-align: right;">N/A</p>				
116	<p>Fixed _____ Value Related _____ Time Related _____</p> <p><b>C8.0 SECURITY CHECK OF PERSONNEL</b></p> <p>The <b>principal agent</b> may require the <b>contractor</b> to have his personnel and workmen, or a certain number of them, security classified</p> <p>In the event of the <b>principal agent</b> requesting the removal of a person or persons from the <b>works</b> for security reasons, the <b>contractor</b> shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the <b>works</b> and the <b>site</b> and/or to any document or information relating to the <b>works</b></p> <p style="text-align: right;">N/A</p>	Item			
117	<p>Fixed _____ Value Related _____ Time Related _____</p> <p><b>C9.0 PROHIBITION OF TAKING OF PHOTOGRAPHS</b></p> <p>In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or any building work thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister</p> <p>The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959</p> <p style="text-align: right;">N/A</p>	Item			
	<b>Carried Forward</b>			<b>R</b>	
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	<b>Brought Forward</b>		R
118	Fixed _____ Value Related _____ Time Related _____  <b>C10.0 HIV/AIDS AWARENESS</b>  It is required of the <b>contractor</b> to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the <b>bills of quantities</b> . Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent only method of measurement and no additional items or extras to the contract in this regard shall be entertained  The <b>Contractor</b> must take note that compliance with the HIV/AIDS Specification is compulsory. in the event of partial or total non-compliance, the <b>principal agent</b> , notwithstanding the provisions of clause A 31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress <b>payment certificate</b> until the <b>contractor</b> provides satisfactory proof of compliance. The <b>contactor</b> shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.  <b>C10.1 AWARENESS CHAMPION</b>  Selection, appointment, briefing and making available of an Awareness Champion including provisional of all relevant services, all in accordance with the HIV/AIDS Specification	Item	
119	Fixed _____ Value Related _____ Time Related _____  <b>C10.2 AWARENESS WORKSHOPS</b>	Item	
	<b>Carried Forward</b>		R
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	Selection and appointment of a competent Service Provider approved by the <b>Principal Agent</b> , provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification				
120	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>C10.3 POSTERS, BOOKLETS, VIDEOS, ETC</b>				
	Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc, for the duration of the <b>construction period</b> , all in accordance with the HIV/AIDS Specification				
121	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>C10.4 ACCESS TO CONDOMS</b>				
	Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the <b>construction period</b> , all in accordance with the HIV/AIDS Specification				
122	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>C10.5 MONITORING</b>				
123	Monitoring HIV/AIDS awareness of workers, providing the <b>principal agent</b> with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the <b>construction period</b> and close out, all in accordance with the HIV/AIDS Specification.	Item			
	<b>C10.6 Non cession of monies</b>				
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	Clause 10.6				
124	Fixed_____Value Related_____Time Related_____	Item			
	<b>C10.7 MONEY PROVISION</b>				
	<b>Community Liaison Officer</b>				
	C11.0 OCCUPATIONAL HEALTH AND SAFETY ACT				
	The <b>contractor</b> 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 <b>contractor</b> 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 <b>bills of quantities /lump sum document</b> .				
	The <b>contractor</b> must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non- compliance, the <b>principal agent</b> , notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the the right to delay issuing any progress <b>payment certificate</b> until the <b>contractor</b> provides satisfactory proof of compliance. The <b>contractor</b> shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.				
	Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained				
125	Fixed_____Value Related_____Time Related_____	Item			
	<b>Carried Forward</b>			<b>R</b>	
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126	Notify the provincial director in writing of the commencement of construction work with and including submission of a letter of receipt and acknowledgement of the aforementioned notice by the director of his/her representative	Item		
127	Allow for the necessary Workman's Compensation Fund or FEM contributions for the duration of the project with and including renewals	Item		
128	Allow for the preparation and approval of project-specific H&S Plan & File [CR 7(1)(a)]	Item		
129	Allow for the implementation and maintenance of project-specific H&S Plan & File. [CR 7]		SUM	
130	Allow for the appointment of a Full-Time Competent Construction Health & Safety Officer to assist in the control of all health and safety related aspects on site as per [CR 8(5)]		SUM	
131	Provide for appointment of responsible and competent person/s to manage and supervise the works and administer and enforce health and safety on site as per [CR 8(1),(2), &(7)]		SUM	
132	Allow for provision of telecommunication facilities for the appointed Construction Health & Safety Officer		SUM	
133	Allow for provision of Basic Emergency Preparedness and Response equipment & at least Level 2 First Aider/s		SUM	
	<u>Provide, supply and maintenance for each worker the following SANS approved personal protective equipment &amp; clothing as per the site-specific risk assessments:</u>			
134	Hard Hats(High Density polyethylene, & 6-point lining)	Item		
135	Overall/work suit (100% Cotton)	Item		
136	Safety boots/shoes (Steel-Toe)	Item		
137	Safety gloves	Item		
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138	Ear Plugs/Muffs	Item		
139	Dust Mask(at least FF2 type)	Item		
140	Respirators	Item		
141	Safety goggles	Item		
142	Personal Fall arrest and rescue equipment with and including life lines and associated equipment	Item		
143	High visibility reflective vests and/or bibs	Item		
144	Temporary handrails ,toe boards other than for access scaffolding	Item		
145	Temporary warning signs and symbols	Item		
146	SANS approved safety netting (orange color with minimum of 1,2 meters high)	Item		
147	Allow for Pre-employment medical examinations	Item		
148	Allow for exit medical examinations	Item		
	<u>HEALTH AND SAFETY EDUCATION</u>			
149	Allow for HIV/AIDS awareness and Implementation programmes, including STI and TB	Item		
150	Allow for all compulsory health and safety awareness programme (e.g. Inductions, toolbox Talks, Safety Promotions, H&S related training, etc.)	Item		
	<u>ENVIRONMENTAL</u>			
151	Provide for adequate handling and storage of materials so as to minimize contamination of ground, air or water.	Item		
152	Provide for the adequate and safe collection and disposal of waste material from site by an approved method.	Item		
153	Provide Facilities and Eating Area for workers.	Item		
	<b>Carried Forward</b>		<b>R</b>	
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154	Provide for rehabilitation on completion of site areas and temporary access routes not covered by construction or landscaping specifications.	Item			
155	Provide for stockpiling of topsoil for re-use	Item			
<b>C12.0 EMPLOYMENT AND TRAINING OF YOUTH WORKERS ON THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP) INFRASTRUCTURE PROJECTS: NATIONAL YOUTH SERVICE (NYS)</b>					
<p>The <b>contractor</b> shall comply with all the requirements as set out in the "Additional Specification SL: Employment and Training of Youth Workers on the Expanded Public Works Programme (EPWP) Infrastructure Projects: National Youth Service (NYS)" as attached to these <b>bills of quantities</b>.</p> <p>The <b>contractor</b> shall identify a minimum number of youth workers from a priority list, and shall employ them at the statutory labour rates for a minimum period and train them, all as per the aforementioned specification and as elsewhere measured in these <b>bills of quantities</b>.</p> <p>The <b>contractor</b> shall liaise and co-ordinate with the <b>employer</b> and the EPWP Training Service Provider with regard to the priority list, the selection of youth workers, and the employment and training of the identified youth workers</p> <p>The <b>contractor</b> shall avail the services of an adequately qualified foreman specifically for the EPWP-NYS youth workers, to act as their construction supervisor. the foreman will be responsible for continually monitoring the progress of the youth workers and for addressing questions and issues that may arise from the youth workers</p> <p>Separate items which will be subject to remeasurement have been included elsewhere in these <b>bills of quantities</b> to cover the direct costs associated with the employment and training of the youth workers. Any additional requirements in respect of the aforementioned specification are deemed to be priced hereunder and no additional claims in this regard shall be entertained</p>					
	<b>Carried Forward</b>			R	
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	<b>Brought Forward</b>			R	
156	Fixed _____ Value Related _____ Time Related _____	Item			
	<p><b>C13.0 IMPLEMENTATION OF LABOUR-INTENSIVE INFRASTRUCTURE PROJECTS UNDER THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP)</b></p> <p>The <b>contractor</b> shall comply with all the requirements of the "Code of Good Practice for Employment of Work for Special Public Works Programmes" issued in terms of Basic Conditions of Employment Act, 1997 (Act No 75 of 1997)" and the related "Ministerial Determination", for the employment of locally employed temporary workers on a labour-intensive infrastructure project under the Expanded Public Works Programme (EPWP).</p> <p>The <b>contractor</b> shall maintain daily records with regard to the workers employed and shall, on a monthly basis, submit a report to the <b>principal agent</b> in the prescribed format. Compulsory indicators such as the project budget, actual project expenditure, number of job opportunities created, demographic characteristics of workers employed, minimum daily wage rate, number of person-days of employment created and number of training person-days, shall be included in said report, all as identified in the "Guidelines for the Implementation of Labour-Intensive Infrastructure Projects under the Expanded Public Works Programme (EPWP)."</p> <p>Provision for pricing of compliance with the aforementioned is made under this clause and it is explicitly pointed out that all requirements in respect of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained</p>				
157	Fixed _____ Value Related _____ Time Related _____	Item			
	<p><b><u>SECTION NO. 1</u></b></p>				
	<b>Carried to Final Summary</b>			R	
	<p>Section No. 1 Bill No. 1 Preliminaries <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b></p>				

**UMZIMKHULU JUNIOR SECONDARY SCHOOL  
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Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>				
	<b><u>BILL NO. 1</u></b>				
	<b><u>ALTERATIONS</u></b>				
	<u>PREAMBLES</u>				
	(For preambles refer to: "Department of Public Works" Specification materials and methods to be used" PW 371				
	All tenderers will be deemed to have visited the site prior to submitting their tender to determine the nature and extent of the alteration and demolition work and the value of the materials to be recovered.				
	No claim for a variation in the contract sum or the credit allowance for recoverable materials in respect of alteration /demolition items will be considered.				
	All sizes and dimensions stated herein are approximate and deemed only sufficient to identify the item of work concerned. In taking down and removing existing work the utmost care must be taken to avoid any structural or other damage to the remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc. to ensure the stability of all structures during the alteration/demolition work.				
	The Contractor will be held solely responsible for the safety and stability of the buildings for the whole period of the contract and must make good any damage at his own expense.				
	The Contractor shall provide and afterwards remove all necessary temporary tarpaulins, barricades, screens, fencing, temporary waterproofing, dust proofing, etc. required to isolate any sections of new or existing buildings for purposes of excluding users of the remainder of the building or any unauthorised persons all to the satisfaction of the Representative/Agent and				
	<b>Carried Forward</b>			R	
	Section No. 2 Bill No. 1 Alterations <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>				

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<p style="text-align: right;"><b>Brought Forward</b></p> <p>remove when directed.</p> <p>The Contractor shall cover up and protect from injury all work not removed and shall make good at his own expense any damage that may occur. Existing services must be maintained at all times to the existing buildings. If it is found necessary to disconnect any service than suitable temporary or alternate services must be provided to the existing buildings.</p> <p>Special care shall be exercised during the progress of the work to ensure that any electrical installation, water supply pipes, telephone and other services which may be encountered are not interferred with and notice must be given to the Representative/ Agent if any disconnection or alterations become necessary.</p> <p>The Contractor shall take all precautions to protect the existing roads, paving and gardens from damage during the course of the contract and on completion he shall clear away and make good all damage at his own expense.</p> <p>Building up of existing openings where given in number shall be deemed to include preparing existing surfaces all round, brickwork properly toothed and bonded to existing and shot pinned to concrete, wedging up and making good finishes on both sides to match existing.</p> <p>Taking down existing walls is to include for dead shoring and propping under existing concrete slabs, beams, roof timbers, etc., for removing doors, windows, skirtings, curtain tracks, pelmets, cornices, etc. fixed to same and for making good to walls, floors, ceilings, etc. as described.</p> <p>Removal of doors, windows, fittings, etc., is to include for their removal complete with frames, ironmongery, glass, quadrants, architraves, skirtings, burglar bars and all accessories to walls, reveals, around openings, for cutting out cills, etc., for hacking up flooring at openings and for making good.</p> <p>Any water supply or other piping, etc. that may be encountered and found necessary to disconnect or cut are to be effectually stopped off and any new connections that may be necessary shall be made with</p>			R	
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 2 Bill No. 1 Alterations <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b></p>			R	

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<p style="text-align: right;"><b>Brought Forward</b></p> <p>the proper fittings to the satisfaction of the Representative/Agent.</p> <p>Where sanitary fittings, geysers, etc are to be removed the Contractor shall allow for removing all exposed waste or water supply pipes to the nearest suitable junction or connection and stopping off, as well as for making good plaster, screeds, etc.</p> <p>The Contractor shall remove from the site all material, rubble, debris, rubbish, etc. resulting from the alterations/demolitions.</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to tenants in the building and to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent</p> <p>Doors, fanlights, windows, fittings, frames, linings, etc which are to remain the property of the employer shall be carefully taken out, temporarily stored, transported over a distance of approximately 2.5km to store and handed over to the employer</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>			R	
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 2 Bill No. 1 Alterations <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b></p>			R	

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<b>Brought Forward</b>					R
<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><u>Removal of asbestos</u></p> <p>The handling and disposal of asbestos shall be in accordance to section 20 of the Environmental Conservation Act, 1989</p> <p>The contractor shall meet all the costs of disposing the asbestos from the site including and statutory charges therein</p> <p>The contractor shall exercise necessary safety measures so as not to cause any damage to the existing structure and adjoining properties</p> <p><b><u>REMOVAL OF EXISTING WORK</u></b></p>					
1	Timber single door and frame not exceeding 2,5m <sup>2</sup>	No	36		
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>				
2	Gypsum plasterboard ceilings, including timber bandering, cornices, etc	m2	117		
<b>Carried Forward</b>					R
<p>Section No. 2 Bill No. 1 Alterations <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b></p>					

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<b>Brought Forward</b>				R	
<b><u>OLD MATERIALS TO BE CARTED AWAY</u></b>					
Old materials from alterations except where described to be handed over, as well as all rubbish, etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.					
<b><u>SUNDRIES</u></b>					
<b><u>Inspect and repair</u></b>					
3	Flood test existing roof coverings and repair leaks by sealing with necessary waterproofing material	m2	321		
4	Roof trusses in accordance to the Engineer's recommendation to be used as directed by the Principal Agent deducted in whole or in part if not required	m2	321		
<b><u>PREPARATORY WORK TO EXISTING SURFACES</u></b>					
5	Making good defects to existing screeded floors with self levelling screed	m2	574		
6	Existing face brick finish to be retained, washed	m2	524		
<b><u>"Dulux" two coats of high gloss dressing paint or similar approved</u></b>					
7	High gloss brick dressing to existing face brick surface	m2	524		
<b><u>BUDGETARY ALLOWANCES</u></b>					
<b>Carried Forward</b>				R	
Section No. 2 Bill No. 1 Alterations <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>					



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Brought Forward		R	
<p><b><u>The following budgetary allowances are for work to be carried out by the Main Contractor and remeasured on completion. For payment purposes all scheduled items with rates in the Bills of Quantities will be applicable and take preference over any negotiated rates if not available and so required</u></b></p>			
8	Allow a budgetary allowance of R15 000.0 Fifteen Thousand Rands for any additional/unforeseen demolition works to later details by the Architect as directed by the Principal Agent and measured and valued at schedule rates and omitted if not so used	Item	15,000.00
9	Allow a budgetary allowance of R25 000.0 Twenty Thousand Rands for the installation of 300x400 aluminium roof vents.	Item	25,000.00
10	Allow a budgetary allowance of R5 000.0 Five Thousand Rands for replacing any broken glass window panes	Item	5,000.00
11	Allow a budgetary allowance of R5 000.0 Five Thousand Rands for repairing hair line cracks and preparing walls to receive new coat of paint	Item	5,000.00
Carried Forward to Summary of Section No. 2		R	
Section No. 2 Bill No. 1 Alterations <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>			

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Item No	Unit	Quantity	Rate	Amount
<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BILL NO. 5</u></b></p> <p><b><u>CARPENTRY &amp; JOINERY</u></b></p> <p><u>PREAMBLES</u></p> <p><u>(For preambles refer to: Department of Public Works Specification materials and methods to be used "PW 371</u></p>				
<p style="text-align: right;"><b>Carried Forward</b></p>				R
<p>Section No. 2</p> <p>Bill No. 3</p> <p>Carpentry And Joinery</p> <p><b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b></p>				

<b>Brought Forward</b>			R	
<p><b><u>Roof trusses, etc.</u></b></p> <p>Prefabricated trusses shall be fabricated in a factory by a truss fabricator who has been awarded a Certificate of Competence by the Institute of Timber Construction and is approved by the Principal Agent.</p> <p>Each roof truss shall have all its members accurately cut and closely butted together and rigidly fixed by CSIR approved patented galvanized metal spiked connectors, precision pressed on both sides of each intersection by an approved method, all in accordance with the manufacturer's instructions</p> <p>The design, manufacture and transportation of the roof trusses, bracing, etc shall be under the control of a registered Structural Engineer in accordance with SANS 1900, SANS 10160 and SANS 10163, who shall, after erection, provide a certificate confirming that the design, manufacture, transportation, erection and bracing has been carried out in accordance with this specification</p> <p>The design shall include for all live loads, wind loads and for dead loads imposed by roof covering, purlins, ceilings, etc</p> <p>Fully detailed shop drawings of all trusses etc, indicating sizes, bracing, loading, etc, shall be submitted to the Principal Agent for approval prior to fabrication</p> <p>Unless specific erection instructions are given, erection shall be carried out in accordance with the procedures and recommendations of the manual "The Erection and Bracing of Timber Roof Trusses" published by the Institute for Timber Construction and the Council for Scientific and Industrial Research or as detailed by the designer</p> <p>Roof trusses and bracing shall include design and preparation of shop drawings</p> <p><u>NOTE: The contractor will be required to provide a certificate of approval signed by a registered engineer certifying that the trusses have been designed, manufactured and installed in accordance with relevant SANS specifications.</u></p>				
<b>Carried Forward</b>			R	
<p>Section No. 2 Bill No. 3 Carpentry And Joinery <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b></p>				

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Brought Forward				R
<b><u>EAVES AND VERGES</u></b>				
<b><u>"Marley" or other equal and approved</u></b>				
1	255x12mm medium density plain under grooved gypsum fascia board complete with aluminium H-profile fascia joiner, screws and washers	m	76	
2	PVC 200x800mm socketless barge board complete with screws and washers and 76x50mm trimmer batten fixed underside of purlin ends	m	34	
<b><u>DOORS, ETC</u></b>				
<b><u>Solid flush doors with sapele veneer on both sides hung to steel frames</u></b>				
3	D2, 44mm Framed batten door 813 x 2032mm high braced back solid meranti framed and ledged door	No	16	
4	D13, 40mm Door 813 x 2 032mm high interior single solid core masonite flush timber door with 2 concealed edges	No	44	
5	D14, 40mm Door 944x2032 medium duty interior quality single semi solid masonite flush timber door with 2 concealed edges	No	5	
<b>Carried Forward to Summary of Section No. 2</b>				R
Section No. 2				
Bill No. 3				
Carpentry And Joinery				
<b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>				

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Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>				
	<b><u>BILL NO. 6</u></b>				
	<b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></b>				
	<b><u>PREAMBLES</u></b>				
	(For preambles refer to: Department of Public Works Specification materials and methods to be used "PW 371				
	<b><u>NAILED UP CEILINGS</u></b>				
	<b><u>9mm fibre cement ceiling board or similar approved with and including 38 x 38mm SAP brander at 450mm centres in one direction only</u></b>				
1	Ceilings including 38 x 38mm sawn timber brander	m2	117		
2	Extra over ceiling for 650 x 650mm trap door of 38 x 50mm wrought softwood rebated framing with one 38 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	8		
	<b><u>CORNICES, ETC.</u></b>				
	<b><u>Fibre cement cornice</u></b>				
3	90x90mm coved polystyrene glue on cornice	m	125		
	<b><u>INSULATION, ETC</u></b>				
	<b><u>"Saint-gobain" insulation or similar approved</u></b>				
4	135 mm thick pink- flexible fibre glass blanket insulation closely fitted and laid on top of branderings	m2	117		
	<b>Carried Forward to Summary of Section No. 2</b>				
	Section No. 2				
	Bill No. 4				
	Ceilings, Partitions And Access Flooring				
	<b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>				

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Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>				
	<b><u>BILL NO. 7</u></b>				
	<b><u>IRONMONGERY</u></b>				
	<u>PREAMBLES</u>				
	(For preambles refer to: Department of Public Works Specification materials and methods to be used "PW 371				
	<b><u>Hinges, Bolts, Etc</u></b>				
	<b><u>CATCHES, CABIN HOOKS, ETC</u></b>				
	<b><u>"Union" or similar approved</u></b>				
1	Code AL8253AS, Anodised silver aluminium rubber tipped hat and coat hook	No	28		
	<b><u>LOCKS</u></b>				
	<b><u>Manufactured by "Ironmongery Warehouse Africa"</u></b>				
2	"IW1922" bathroom indicators	No	28		
3	"IW1929" 170X170mm stainless steel push plate	No	4		
4	Paraplegic bathroom indicator	No	4		
5	100 x 75LD medium butt hinge	No	48		
	<b><u>"Union" or similar approved</u></b>				
6	4 lever mortice lockset and solid chrome plated handles	No	8		
	<b>Carried Forward</b>			R	
	Section No. 2 Bill No. 5 Ironmongery <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>				

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<b>Brought Forward</b>					R
	<b><u>1.2mm Thick satin finished stainless steel plates countersunk screwed along edges at not exceeding 200mm centres</u></b>				
7	944x300mm high stainless steel Kick plate	No	4		
	<b><u>CATCHES, CABIN HOOKS, ETC</u></b>				
	<b><u>"Union" or similar approved</u></b>				
8	Code AL8253AS, Anodised silver aluminium rubber tipped hat and coat hook	No	13		
	<b><u>LETTERS, NAMEPLATES, ETC</u></b>				
	<b><u>"Dorma" or other similar approved</u></b>				
9	DSS - 131 F 150 x 150mm engraved aluminium "female" indicator plate	No	12		
10	DSS - 131 F 150 x 150mm engraved aluminium "male" indicator plate	No	12		
11	DSS - 131 F 150 x 150mm engraved aluminium "Disable" indicator plate	No	8		
	<b><u>BATHROOM FITTINGS</u></b>				
	<b><u>"Chairman Industries" or other similar approved</u></b>				
12	32mm Side grab rail (Code D12)	No	4		
13	32mm Rear grab rail around (Code SR2A)	No	4		
14	RODX672 stainless steel wall mounted toilet roll holder with spindle system 0.8mm thick with folded front cover, cylinder lock for 2 rolls max, 120mm dia. with spindle including stainless steel screws and dowels	No	28		
15	"Golden Touch" stainless steel soap dispenser, plugged and lockable 1200ml	No	24		
16	"Volkem" Excel manual paper towel dispenser made, plugged	No	8		
<b>Carried Forward</b>					R
Section No. 2 Bill No. 5 Ironmongery <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>					



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Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>				
	<b><u>BILL NO. 10</u></b>				
	<b><u>PLUMBING AND DRAINAGE</u></b>				
	<u>PREAMBLES</u>				
	(For preambles refer to: Department of Public Works Specification materials and methods to be used "PW 371				
	<b><u>RAINWATER DISPOSAL</u></b>				
	<b><u>PVC-U gutters and rainwater pipes</u></b>				
1	110 x 75mm Eaves gutters.	m	67		
2	110mm diameter rainwater pipes	m	8		
3	Extra over eaves gutter for angle	No	8		
4	Stop ends	No	8		
5	Extra over eaves gutter for outlet for 100mm diameter pipe	No	8		
6	Extra over rainwater pipe for eaves or plinth offset 450mm projection	No	8		
7	Extra over rainwater pipe for shoe	No	8		
	<b><u>SANITARY FITTINGS</u></b>				
	<b><u>"Vaal " stainless steel or similar approved</u></b>				
8	Vaal sanitary ware vitreous china "Hibiscus Elite" close coupled 90degrees outlet open rim top dual flush suite (6/3 litres) (Code 772401)	m	33		
	<b>Carried Forward</b>			R	
	Section No. 2 Bill No. 8 Plumbing And drainage <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>				

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Brought Forward				R
9	Vitreous china "Pearl Paraplegic" semi-close coupled 90 degrees outlet open rim washdown pan and matching 9 litre cistern complete with lid, fitments, and purpose made C.P side-flush lever(left or right) complete with purpose made thermoset seat and cover plate	No	5	
10	Vitreous china wall hung "Flatback" urinal size 415x315x275mm complete with 38mm c.p domical grating code 8787Z0 c.p, top inlet spreader code 8543Z0, two hanger brackets code 8127Z0 and cp bottle trap	No	7	
11	Vitreous china 560x415mm (7006) rounded "Tuscany" basin with single centred tap	No	38	
12	Vaal Sanitaryware' Vitreous China 560 x 415 mm ( 7006) rounded "Tuscany" basins with three semi-circular tap hole configuration or similar and approved, with 40mm 3/16" c.p basin waste and 1 no. 20mm and 3/64" 40 c.p bottle trap. Basin to be installed on Universal half pedestal with two 6mm fixing screws (code 715222) and secured to wall. Use white marine silicone sealant or equivalent and approved under pedestal foot and between basin and wall.	No	5	
<b><u>uPVC</u></b>				
13	50mm S-Trap	No	7	
14	110mm Vent pipe	No	38	
<b><u>TAPS, VALVES, ETC.</u></b>				
<b><u>Chromium Plated Brass Fittings Including Couplings To Copper</u></b>				
15	"Cobra" Star chrome plated brass extended bibtap - 1/2" high pattern	No	8	
<b><u>TESTING</u></b>				
16	Allow for testing all drains, sanitary plumbing and water supplies to the satisfaction of the Architect and to Municipal requirements. All defective work is to be taken out and replaced at the Contractor's expense.		Item	
<b>Carried Forward to Summary of Section No. 2</b>				R
Section No. 2				
Bill No. 8				
Plumbing And drainage				
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Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>				
	<b><u>BILL NO. 12</u></b>				
	<b><u>PAINTWORK</u></b>				
	<u>PREAMBLES</u>				
	(For preambles refer to :Specification materials and methods to be used"PW 371				
	<b><u>ON FLOATED PLASTER</u></b>				
	<b><u>One coat undercoat, two coats stain resistant and washable water based smooth low sheen internal paint</u></b>				
1	On internal walls	m2	633		
2	On narrow widths not exceeding 300mm wide	m2	24		
	<b><u>ON PLASTER BOARD</u></b>				
	<b><u>One coat alkali resistant plaster primer and two coats PVA acrylic emulsion paint on</u></b>				
3	Ceiling and beams	m2	117		
	<b><u>ON METAL</u></b>				
	<b><u>One coat alkyd based zinc phosphate primer and two coats premium quality polyurethane paint, on steel</u></b>				
4	On windows with burglar bars	m2	64		
	<b><u>FIBRE CEMENT</u></b>				
	<b><u>Prepare, stop and apply one coat alkali resistant primer, one coat universal undercoat and one finishing coats of acrylic emulsion paint on:</u></b>				
5	Fascia boards	m2	18		
	<b>Carried Forward</b>			R	
	Section No. 2 Bill No. 9 Paintwork <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>				

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9	Paintwork	70	
Carried to Final Summary			
Section No. 2			
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Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b>				
	<b><u>BILL NO. 1</u></b>				
	<b><u>ALTERATIONS</u></b>				
	<u>PREAMBLES</u>				
	(For preambles refer to: "Department of Public Works" Specification materials and methods to be used" PW 371				
	All tenderers will be deemed to have visited the site prior to submitting their tender to determine the nature and extent of the alteration and demolition work and the value of the materials to be recovered.				
	No claim for a variation in the contract sum or the credit allowance for recoverable materials in respect of alteration /demolition items will be considered.				
	All sizes and dimensions stated herein are approximate and deemed only sufficient to identify the item of work concerned. In taking down and removing existing work the utmost care must be taken to avoid any structural or other damage to the remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc. to ensure the stability of all structures during the alteration/demolition work.				
	The Contractor will be held solely responsible for the safety and stability of the buildings for the whole period of the contract and must make good any damage at his own expense.				
	The Contractor shall provide and afterwards remove all necessary temporary tarpaulins, barricades, screens, fencing, temporary waterproofing, dust proofing, etc. required to isolate any sections of new or existing buildings for purposes of excluding users of the remainder of the building or any unauthorised persons all to the satisfaction of the Representative/Agent and				
	<b>Carried Forward</b>			R	
	Section No. 3 Bill No. 1 Alterations <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>				

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<p style="text-align: right;"><b>Brought Forward</b></p> <p>remove when directed.</p> <p>The Contractor shall cover up and protect from injury all work not removed and shall make good at his own expense any damage that may occur. Existing services must be maintained at all times to the existing buildings. If it is found necessary to disconnect any service than suitable temporary or alternate services must be provided to the existing buildings.</p> <p>Special care shall be exercised during the progress of the work to ensure that any electrical installation, water supply pipes, telephone and other services which may be encountered are not interferred with and notice must be given to the Representative/ Agent if any disconnection or alterations become necessary.</p> <p>The Contractor shall take all precautions to protect the existing roads,paving and gardens from damage during the course of the contract and on completion he shall clear away and make good all damage at his own expense.</p> <p>Building up of existing openings where given in number shall be deemed to include preparing existing surfaces all round, brickwork properly toothed and bonded to existing and shot pinned to concrete, wedging up and making good finishes on both sides to match existing.</p> <p>Taking down existing walls is to include for dead shoring and propping under existing concrete slabs, beams, roof timbers, etc., for removing doors, windows, skirtings, curtain tracks, pelmets, cornices, etc. fixed to same and for making good to walls , floors, ceilings, etc. as described.</p> <p>Removal of doors, windows, fittings, etc., is to include for their removal complete with frames, ironmongery, glass, quadrants, architraves, skirtings, burglar bars and all accessories to walls, reveals, around openings, for cutting out cills, etc., for hacking up flooring at openings and for making good.</p> <p>Any water supply or other piping, etc. that may be encountered and found necessary to disconnect or cut are to be effectually stopped off and any new connections that may be necessary shall be made with</p>			R	
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 3 Bill No. 1 Alterations <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b></p>			R	

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<p style="text-align: right;"><b>Brought Forward</b></p> <p>the proper fittings to the satisfaction of the Representative/Agent.</p> <p>Where sanitary fittings, geysers, etc are to be removed the Contractor shall allow for removing all exposed waste or water supply pipes to the nearest suitable junction or connection and stopping off, as well as for making good plaster, screeds, etc.</p> <p>The Contractor shall remove from the site all material, rubble, debris, rubbish, etc. resulting from the alterations/demolitions.</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to tenants in the building and to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent</p> <p>Doors, fanlights, windows, fittings, frames, linings, etc which are to remain the property of the employer shall be carefully taken out, temporarily stored, transported over a distance of approximately 2.5km to store and handed over to the employer</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>			R	
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 3 Bill No. 1 Alterations <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b></p>			R	

<p align="center"><b>Brought Forward</b></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><u>Removal of asbestos</u></p> <p>The handling and disposal of asbestos shall be in accordance to section 20 of the Environmental Conservation Act, 1989</p> <p>The contractor shall meet all the costs of disposing the asbestos from the site including and statutory charges therein</p> <p>The contractor shall exercise necessary safety measures so as not to cause any damage to the existing structure and adjoining properties</p> <p><b><u>OLD MATERIALS TO BE CARTED AWAY</u></b></p> <p>Old materials from alterations except where described to be handed over, as well as all rubbish, etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.</p> <p><b><u>REMOVAL OF EXISTING WORK</u></b></p>          					R
<p align="right"><b>Carried Forward</b></p> <p>Section No. 3 Bill No. 1 Alterations <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b></p>					R

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<b>Brought Forward</b>					<b>R</b>
<b><u>Carefully taking down and removing</u></b>					
1	Asbestos roof coverings complete, load and cart away debris.	m2	1,561		
2	Existing fence	m	450		
<b><u>Demolishing and removing</u></b>					
<b><u>Taking out doors, windows etc including thresholds, sills, etc and prepare opening for new (elsewhere measured)</u></b>					
3	Block G - Single storey building with gross building area of approximately 79m2 on plan and 3m high overall, comprising of timber structure, roof coverings,etc.	No	1		
4	Block Z - Single storey building with gross building area of approximately 33m2 on plan and 3m high overall, comprising of timber structure, roof coverings,etc.	No	1		
5	Block X - Single storey building with gross building area of approximately 31m2 on plan and 3m high overall, comprising of timber structure, roof coverings,etc.	No	1		
6	Block K - Single storey building with gross building area of approximately 28m2 on plan and 3m high overall, comprising concrete surface bed, brick external walls and brick internal walls, electrical installation, sanitary fittings, including digging out and removing foundation walls and footings, etc.	No	1		
7	Glazed steel window not exceeding 2,5m2	No	6		
<b><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u></b>					
8	Existing ceilings and cornice	m2	825		
<b><u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc</u></b>					
9	Plaster from walls	m2	1,030		
<b>Carried Forward</b>					<b>R</b>
Section No. 3 Bill No. 1 Alterations <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>					

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	Brought Forward			R	
10	30mm Screed from floors	m2	1,065		
	<b><u>Taking out and removing sundry joinery work, fittings, etc</u></b>				
11	Timber skirting from brickwork	m	644		
12	Timber dado rail from brickwork	m	644		
	<b><u>Taking up and removing vinyl floor coverings, carpeting, etc</u></b>				
13	Vinyl tile floor covering including preparing screed for new vinyl floor covering	m2	881		
	<b><u>Taking out and removing ironmongery</u></b>				
14	Green chalk board	No	12		
15	Felt pin board	No	12		
	<b><u>Taking up and removing gutter and fascia boards</u></b>				
16	Remove all gutters and fascia boards	m	258		
	<b><u>Making good cement plaster</u></b>				
17	Walls in patches	m2	1,030		
	<b><u>Taking out doors, windows etc including thresholds, sills, etc and prepare opening for new (elsewhere measured)</u></b>				
18	Timber door and frame not exceeding 2,5m2.	No	52		
	<b><u>Making good face brick</u></b>				
19	Wash and seal existing face brick externally.	m2	1,687		
20	Wash and seal existing face brick internally.	m2	657		
<b>Carried Forward to Summary of Section No. 3</b>				R	
Section No. 3					
Bill No. 1					
Alterations					
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<b><u>SECTION NO. 3</u></b>				
<b><u>BILL NO. 2</u></b>				
<b><u>EARTHWORKS (PROVISIONAL)</u></b>				
<u>PREAMBLES</u>				
(For preambles refer to: Department of Public Works Specification materials and methods to be used "PW 371				
<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	m2	1,353	
2	Stripping average 150mm thick layer of vegetable soil including carting away to a dumping site to be located by the contractor	m2	1,353	
<b><u>EXCAVATION, FILLING, ETC</u></b>				
<b><u>Excavation in earth not exceeding 2m deep</u></b>				
3	Trenches	m3	313	
4	Trenches and holes for thickening under surface beds, etc	m3	3	
<b><u>Extra over trench and hole excavations in earth for excavation in</u></b>				
5	Soft rock	m3	32	
6	Hard rock	m3	63	
<b>Carried Forward</b>				R
Section No. 3 Bill No. 2 Earthworks <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>				

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Brought Forward			R
	<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	316
	<b><u>Risk of collapse of excavations</u></b>		
8	Sides of trench and hole excavations not exceeding 1,5m deep	m2	925
	<b><u>Working Space</u></b>		
9	Excavate in earth for working space (at Contractor's discretion) not exceeding 1300mm deep to side of the building of brick wall, fill and consolidate spoil on completion. (Distance from face of wall to side of excavation is 170mm).	m2	447
	<b><u>Keeping excavations free of water</u></b>		
10	Keeping excavations free of all water other than subterranean water		Item
	<b><u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density</u></b>		
11	Under floors, steps, pavings, etc	m3	129
12	Backfilling to trenches, holes, etc	m3	147
	<b><u>G5 material supplied by the contractor compacted to 93% Mod AASHTO density</u></b>		
13	Under floors, steps, pavings, etc.	m3	171
	<b><u>Coarse river sand filling supplied by the contractor</u></b>		
14	Under floors, steps, paving, etc	m3	57
Carried Forward			R
Section No. 3 Bill No. 2 Earthworks <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>			



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		<b>Brought Forward</b>		<b>R</b>
<b><u>Compaction of surfaces</u></b>				
15	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	1,450	
<b><u>Prescribed density tests on filling</u></b>				
16	"Modified AASHTO Density" test	No	1	
<b><u>SOIL POISONING</u></b>				
<b><u>Soil insecticide</u></b>				
17	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	1,138	
18	To bottoms of trenches	m2	321	
<b>Carried Forward to Summary of Section No. 3</b>				<b>R</b>
Section No. 3				
Bill No. 2				
Earthworks				
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	<b><u>SECTION NO. 3</u></b>				
	<b><u>BILL NO. 3</u></b>				
	<b><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></b>				
	<b><u>PREAMBLES</u></b>				
	(For preambles refer to: Department of Public Works Specification materials and methods to be used "PW 371				
	<b><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>				
	<b><u>25MPa/19mm concrete</u></b>				
1	Strip footings	m3	131		
2	Bases	m3	3		
	<b><u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u></b>				
	<b><u>30MPa/19mm concrete</u></b>				
3	Surface beds on waterproofing	m3	123		
	<b><u>TEST BLOCKS</u></b>				
4	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	6		
	<b><u>REINFORCEMENT (PROVISIONAL)</u></b>				
	<b><u>Fabric reinforcement</u></b>				
5	Type 245 fabric reinforcement in concrete surface beds etc	m2	944		
	<b>Carried Forward</b>			R	
	Section No. 3 Bill No. 3 Concrete, Formwork And Reinforcement <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>				

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<b>Brought Forward</b>					<b>R</b>
6	Type 500 fabric reinforcement in concrete surface beds etc	m2	944		
<b><u>REINFORCEMENT</u></b>					
<b><u>Mild steel reinforcement to structural concrete work</u></b>					
7	10mm Diameter bars	t	1.35		
<b><u>High tensile steel reinforcement to structural concrete work</u></b>					
8	12mm Diameter bars	t	1.21		
<b>Carried Forward to Summary of Section No. 3</b>					<b>R</b>
Section No. 3					
Bill No. 3					
Concrete, Formwork And Reinforcement					
<b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>					

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	<b><u>SECTION NO. 3</u></b>				
	<b><u>BILL NO. 4</u></b>				
	<b><u>MASONRY</u></b>				
	<b><u>PREAMBLES</u></b>				
	(For preambles refer to: Department of Public Works Specification materials and methods to be used "PW 371				
	<b><u>FOUNDATIONS (PROVISIONAL)</u></b>				
	<b><u>Brickwork of NFP bricks in class II mortar</u></b>				
1	Piers	m3	0.1		
2	One brick walls	m2	371		
	<b><u>SUPERSTRUCTURE</u></b>				
	<b><u>Brickwork of NFP bricks in class II mortar</u></b>				
3	Piers	m3	1		
4	Half brick walls	m2	57		
5	Half brick walls in beamfilling.	m2	144		
6	One brick walls.	m2	1,180		
	<b><u>BRICKWORK SUNDRIES</u></b>				
	<b><u>Joint forming material in movement joints:</u></b>				
7	10mm Bitumen impregnated fibre board built in vertical in one brick wall not exceeding 300mm wide.	m2	134		
	<b><u>Brickwork reinforcement</u></b>				
8	75mm Wide reinforcement built in horizontally	m	223		
	<b>Carried Forward</b>			R	
	Section No. 3 Bill No. 4 Masonry <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>				

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	<b>Brought Forward</b>			<b>R</b>	
9	150mm Wide reinforcement built in horizontally	m	5,899		
	<b><u>Prestressed fabricated lintels</u></b>				
10	100 x 70mm Lintels in lengths not exceeding 3m.	m	196		
	<b><u>Turning pieces</u></b>				
11	230mm Wide turning pieces	m	41		
	<b><u>Galvanised wire ties etc</u></b>				
12	4mm Diameter roof tie 2m girth bent double, with one end built into brickwork and other end fixed to timber	No	197		
	<b><u>Galvanised hoop iron cramps, ties, etc</u></b>				
13	30 x 1,6mm Roof tie 1,5m long with one end built into brickwork and other end fixed to timber	No	370		
	<b><u>FACE BRICKWORK</u></b>				
	<b><u>External hot terracota red face bricks (Prime Cost Amount R8000/1000) pointed with recessed horizontal and vertical joints</u></b>				
14	Extra over brickwork for face brickwork	m2	324		
15	Extra over brickwork for brick-on-edge header course lintel pointed on face and 115mm soffit	m	75		
	<b><u>Brick-on-edge header course copings, sills, etc of external face bricks (Prime Cost Amount R 2 500.00/1000) pointed with recessed joints on all exposed faces</u></b>				
16	180mm Wide sill set sloping and slightly projecting	m	75		
	<b><u>BRICK SUNDRIES</u></b>				
	<b><u>Air ventilation, etc</u></b>				
17	255 x 220mm "Terracotta" or equally approved air bricks	No	16		
	<b>Carried Forward to Summary of Section No. 3</b>			<b>R</b>	
	Section No. 3				
	Bill No. 4				
	Masonry				
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Item No	Unit	Quantity	Rate	Amount
<p><b><u>SECTION NO. 3</u></b></p> <p><b><u>BILL NO. 7</u></b></p> <p><b><u>CARPENTRY &amp; JOINERY</u></b></p> <p><u>PREAMBLES</u></p> <p><u>(For preambles refer to: Department of Public Works Specification materials and methods to be used "PW 371</u></p>				
<p style="text-align: right;"><b>Carried Forward</b></p>				<p>R</p>
<p>Section No. 3</p> <p>Bill No. 7</p> <p>Carpentry And Joinery</p> <p><b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b></p>				



<p style="text-align: right;"><b>Brought Forward</b></p> <p><b><u>Roof trusses, etc.</u></b></p> <p>Prefabricated trusses shall be fabricated in a factory by a truss fabricator who has been awarded a Certificate of Competence by the Institute of Timber Construction and is approved by the Principal Agent.</p> <p>Each roof truss shall have all its members accurately cut and closely butted together and rigidly fixed by CSIR approved patented galvanized metal spiked connectors, precision pressed on both sides of each intersection by an approved method, all in accordance with the manufacturer's instructions</p> <p>The design, manufacture and transportation of the roof trusses, bracing, etc shall be under the control of a registered Structural Engineer in accordance with SANS 1900, SANS 10160 and SANS 10163, who shall, after erection, provide a certificate confirming that the design, manufacture, transportation, erection and bracing has been carried out in accordance with this specification</p> <p>The design shall include for all live loads, wind loads and for dead loads imposed by roof covering, purlins, ceilings, etc</p> <p>Fully detailed shop drawings of all trusses etc, indicating sizes, bracing, loading, etc, shall be submitted to the Principal Agent for approval prior to fabrication</p> <p>Unless specific erection instructions are given, erection shall be carried out in accordance with the procedures and recommendations of the manual "The Erection and Bracing of Timber Roof Trusses" published by the Institute for Timber Construction and the Council for Scientific and Industrial Research or as detailed by the designer</p> <p>Roof trusses and bracing shall include design and preparation of shop drawings</p> <p><u>NOTE: The contractor will be required to provide a certificate of approval signed by a registered engineer certifying that the trusses have been designed, manufactured and installed in accordance with relevant SANS specifications.</u></p>			R	
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 3 Bill No. 7 Carpentry And Joinery <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b></p>			R	

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Brought Forward				R
<b><u>ROOFS, ETC</u></b>				
<b><u>Sawn Pine</u></b>				
1	38 x 114mm Wall plate	m	335	
<b><u>ROOF CONSTRUCTION</u></b>				
<b><u>Prefabricated timber roof construction at a maximum of 900mm centres, 17 degree pitch with a 600mm overhang, designed for metal roof, including 50 x 76mm timber purlins at maximum 750mm centre to centre, tilting fillet, runners, bracing, cleats, etc.</u></b>				
2	Trusses for rectangular shaped building, size overall 90m2 on plan (Block NC).		Item	
3	Trusses for rectangular shaped building, size overall 14m2 on plan (Block NA).		Item	
4	Trusses for rectangular shaped building, size overall 226m2 on plan (Block I).		Item	
5	Trusses for rectangular shaped building, size overall 426m2 on plan (Block NY).		Item	
6	Trusses for rectangular shaped building, size overall 320m2 on plan (Block NF).		Item	
7	Trusses of rectangular shaped building, size overall 335.05m2 on plan (Block P1)		Item	
<b><u>EAVES AND VERGES</u></b>				
<b><u>"Marley" or other equal and approved</u></b>				
8	255x12mm medium density plain under grooved gypsum fascia board complete with aluminium H-profile fascia joiner, screws and washers	m	762	
Carried Forward				R
Section No. 3 Bill No. 7 Carpentry And Joinery <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>				

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9	PVC 200x800mm socketless barge board complete with screws and washers and 76x50mm trimmer batten fixed underside of purlin ends	m	797		
<b><u>SKIRTINGS</u></b>					
<b><u>Wrought meranti</u></b>					
10	19 x 76mm Meranti skiting board, with 19mm Quarter round nailed to wall all nails to be punched and filled finished with two coats clear eggshell	m	1,174		
<b><u>DOORS, ETC</u></b>					
<b><u>Wrought meranti doors hung to steel frames</u></b>					
11	D2, 813 x 2032 x 44mm thick external braced back solid meranti framed and ledged door	No	34		
12	D4, 813 x 2032 x 44mm thick heavy duty interior quality single solid core masonite flush timber door with 2 concealed edges to comply with SABS interior grade,D4	No	6		
13	D8, 813 x 2032 x 44mm thick heavy duty interior quality single solid core masonite flush timber door with 2 concealed edges to comply with SABS interior grade	No	1		
14	2no. external door leaf making 1511x2032x42mm braced back solid meranti framed and ledged door	No	1		
15	44mm Framed batten door 1600 x 2032mm high of 44 x 110mm top rail and stiles, 25 x 110mm middle ledge and braces and 44 x 230mm bottom ledge filled in which 19mm V-jointed one side boarding	No	4		
<b><u>Semi-solid flush doors with sapele veneer on both sides hung to steel frames</u></b>					
16	40mm Door 813 x 2 032mm high	No	21		
<b><u>BEADS, ARCHITRAVES, ETC</u></b>					
<b>Carried Forward</b>					<b>R</b>
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**UMZIMKHULU JUNIOR SECONDARY SCHOOL  
ASBESTOS REPLACEMENT PROGRAMME - 420  
PROVISIONAL BILL OF QUANTITIES**

[illegible]

**UMZIMKHULU JUNIOR SECONDARY SCHOOL  
ASBESTOS REPLACEMENT PROGRAMME - 420  
PROVISIONAL BILL OF QUANTITIES**

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b>				
	<b><u>BILL NO. 8</u></b>				
	<b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></b>				
	<b><u>PREAMBLES</u></b>				
	(For preambles refer to: Department of Public Works Specification materials and methods to be used "PW 371				
	<b><u>NAILED UP CEILING</u></b>				
	<b><u>6.4mm Thick Gypsum Ceiling plaster board with 63mm wide strips of mesh scrim nailed over joints with and including 38 x 38mm SAP branderings at 450mm centres in one direction only and the whole finished with and including gypsum skim plaster trowelled to a smooth polished surface to the thickness recommended by the manufacturer.</u></b>				
1	Ceilings	m2	2,152		
2	Extra over ceiling for 650 x 650mm trap door of 38 x 50mm wrought softwood rebated framing with one 38 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	16		
3	90x90mm coved polystyrene glue on cornice	m	664		
	<b><u>9mm Fibre cement ceiling or similar approved</u></b>				
4	Ceiling	m2	62		
5	90x90mm coved polystyrene glue on cornice	m	45		
	<b>Carried Forward</b>			R	
	Section No. 3 Bill No. 8 Ceilings, Partitioning And Access Flooring <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>				

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	<b>Brought Forward</b>			<b>R</b>
6	Extra over ceiling for 650 x 650mm trap door of 38 x 50mm wrought softwood rebated framing with one 38 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	2	
	<b><u>CORNICES, ETC.</u></b>			
	<b><u>Gypsum plaster board</u></b>			
7	75mm Gypsum coved cornice	m	1,174	
	<b><u>INSULATION</u></b>			
8	135mm Thick fibreglass insulation (11.5kg/m <sup>3</sup> nominal density) closely fitted and laid on top ceiling between metal and suspension system.	m <sup>2</sup>	1,129	
<b>Carried Forward to Summary of Section No. 3</b>				<b>R</b>
Section No. 3				
Bill No. 8				
Ceilings, Partitioning And Access Flooring				
<b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>				

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Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b>				
	<b><u>BILL NO. 10</u></b>				
	<b><u>IRONMONGERY</u></b>				
	<u>PREAMBLES</u>				
	(For preambles refer to: Department of Public Works Specification materials and methods to be used "PW 371				
	<b><u>CATCHES, CABIN HOOKS, ETC</u></b>				
	<b><u>"Union" or similar approved</u></b>				
1	Code AL8253AS, Anodised silver aluminium rubber tipped hat and coat hook	No	15		
	<b><u>LOCKS</u></b>				
	<b><u>"Union" or similar approved</u></b>				
2	4 lever mortice lockset and solid chrome plated handles	No	67		
	<b><u>DOOR CLOSERS</u></b>				
	<b><u>"Dorma" or similar approved</u></b>				
3	"TS73V EN 2-4 Regular Arm NON HOLD OPEN Door Closer - Adjustable Strenght, Hydraulic Speed Control. Pull Side Fixing (Silver) code:TS73V	No	44		
	<b><u>LETTERS, NAMEPLATES, ETC</u></b>				
4	60 x 3mm Thick perspex plate with two 40mm high engraved and painted letters or numerals	No	65		
	<b><u>SUNDRIES</u></b>				
	<b>Carried Forward</b>			R	
	Section No. 3 Bill No. 10 Ironmongery <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>				



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Brought Forward				R
	<u>"Union" or similar approved</u>			
5	38mm Rubber door stop plugged and screwed to wall or floor	No	66	
	<u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</u>			
	<u>"Vitrex" or other equal and approved vitreous enamelled writing boards, etc to SABS CSK-36-1980</u>			
6	4800 x 1140mm Green chalk board	No	27	
	<u>"Best Board" or similar approved</u>			
7	3000 x 1200mm Felt pinning board (FE1230)	No	27	
	<u>BUDGETARY ALLOWANCES</u>			
	<u>The following budgetary allowances are for work to be carried out by the Main Contractor and remeasured on completion. For payment purposes all scheduled items with rates in the Bills of Quantities will be applicable and take preference over any negotiated rates if not available and so required</u>			
8	Allow a budgetary allowance of R458 000.0 Four Hundred and Fifty-Eight Thousand Rands for Blinds to be expended as the Principal Agent may direct or deducted in whole or in part, if not required		Item	458,000.00
Carried Forward to Summary of Section No. 3				R
Section No. 3				
Bill No. 10				
Ironmongery				
UMZIMKHULU JUNIOR SECONDARY SCHOOL				

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Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b>				
	<b><u>BILL NO. 11</u></b>				
	<b><u>METALWORK</u></b>				
	<u>PREAMBLES</u>				
	(For preambles refer to: Department of Public Works Specification materials and methods to be used "PW 371				
	<b><u>SUNDRY METALWORK</u></b>				
	<b><u>Galvanised Mild Steel</u></b>				
1	75 x 75mm x 3mm thick galvanized steel square tubing column 2700mm long with 150 x 150 x 10mm thick flat section plate welded to one end and with 150 x 3mm thick x 375mm girth channel shaped bracket eight times holed for 8mm diameter bolts and welded to other end including setting up in position and building bottom end into brickwork.	No	50		
	<b><u>HOT DIPPED GALVANISED WELDED SCREENS, GATES, ETC</u></b>				
	<b><u>Security gates to steel door frames</u></b>				
2	Single gate 813 x 2032mm high of 40 x 60 x 2,5mm hollow section frame with two 40 x 6mm flat section horizontal rails filled in with 12mm diameter vertical rails at 100mm centres fitted with one and a half pairs of suitable pin hinges welded to steel door frame, complete with and including five lever security lock	No	41		
3	Single gate 1600 x 2032mm high of 40 x 60 x 2,5mm hollow section frame with two 40 x 6mm flat section horizontal rails filled in with 12mm diameter vertical rails at 100mm centres fitted with one and a half pairs of suitable pin hinges welded to steel door frame, complete with and including five lever security lock	No	4		
	<b>Carried Forward</b>			R	
	Section No. 3 Bill No. 11 Metalwork <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>				

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<b>Brought Forward</b>					<b>R</b>
4	Double gate 1524 x 2125mm high of 40 x 60 x 2,5mm hollow section frame with two 40 x 6mm flat section horizontal rails filled in with 12mm diameter vertical rails at 100mm centres fitted with one and a half pairs of suitable pin hinges welded to steel door frame, complete with and including five lever security lock	No	1		
	<b><u>ROLLERSTYLE ADD ON INTERNAL SURFACE MOUNT PRE-PAINTED ALUMINIUM ROLL-UP DOORS</u></b>				
5	Aluzinc white push up operation roller shutter door complete with overhead gear, guides, fixing bolts, etc., to suit clear opening size 2100 x 2125mm fixed in position and including mortices in brickwork or concrete for fixing bolts.	No	1		
	<b><u>HOT DIPPED GALVANIZED PRESSED STEEL DOOR FRAMES</u></b>				
	<b><u>1,2mm rebated frames suitable for half brick walls</u></b>				
6	Frame for door 813 x 2032mm high	No	27		
	<b><u>1,2mm rebated frames suitable for one brick walls</u></b>				
7	Frame for door 813 x 2032mm high	No	31		
8	Frame for door 1600 x 2032mm high	No	4		
	<b><u>1,2mm double rebated galvanised pressed metal frame suitable for one brick walls</u></b>				
9	Frame for steel door 1524 x 2125 mm high	No	1		
<b>Carried Forward</b>					<b>R</b>
Section No. 3 Bill No. 11 Metalwork <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>					

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<b>Brought Forward</b>					<b>R</b>
<b><u>GALVANIZED STEEL WINDOWS, DOORS, ETC</u></b>					
NOTE: Where so described windows shall be fitted with burglar bars consisting of 20 x 5mm mild steel flat sections to standard NBP2 pattern welded at intersections and to window frame					
<b><u>Standard medium universal doors, sidelights, fanlights, etc</u></b>					
10	Double door 1524 x 2134 mm high side hung to open out, each leaf with horizontal glazing bars, lock box and bottom panes filled in with kick plate	No	1		
<b><u>HOT DIPPED GALVANIZED STEEL WINDOWS, DOORS, ETC</u></b>					
NOTE: Where so described windows shall be fitted with burglar bars consisting of 20 x 5mm mild steel flat sections to standard NBP2 pattern welded at intersections and to window frame					
<b><u>Standard residential windows with burglar bars to opening sashes</u></b>					
11	Window type 9DT12, 889 x 1248mm high	No	64		
12	Window type 9B12, 889 x 854mm high	No	16		
13	Window type 9T6B, 889 x 457mm high	No	41		
<b>Carried Forward to Summary of Section No. 3</b>					<b>R</b>
Section No. 3					
Bill No. 11					
Metalwork					
<b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>					

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Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b>				
	<b><u>BILL NO. 13</u></b>				
	<b><u>PLUMBING AND DRAINAGE</u></b>				
	<u>PREAMBLES</u>				
	(For preambles refer to: Department of Public Works Specification materials and methods to be used "PW 371				
	<b><u>RAINWATER DISPOSAL</u></b>				
	<b><u>PVC-U gutters and rainwater pipes</u></b>				
1	110 x 75mm Eaves gutters.	m	526		
2	110mm diameter rainwater pipes	m	54		
3	Extra over eaves gutter for angle	No	48		
4	Extra over eaves gutter for outlet for 100mm diameter pipe	No	20		
5	Extra over rainwater pipe for eaves or plinth offset 450mm projection	No	20		
6	Extra over rainwater pipe for shoe	No	20		
	<b><u>TAPS, VALVES, ETC.</u></b>				
	<b><u>"Cobra" or similar approved</u></b>				
7	Kitchen Heritage:PA-870 complete with raised cartridge T&F, controlled S-750-1 handle S-PA870-2, connection hoses C-M10X1/2 sink mixer	No	1		
8	Star chrome plated brass extended bibtap - 1/2" ligh pattern	No	6		
	<b>Carried Forward</b>			R	
	Section No. 3 Bill No. 13 Plumbing And Drainage <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>				

**UMZIMKHULU JUNIOR SECONDARY SCHOOL  
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Brought Forward		R	
<b><u>TESTING</u></b>			
9	Allow for testing all drains, sanitary plumbing and water supplies to the satisfaction of the Architect and to Municipal requirements. All defective work is to be taken out and replaced at the Contractor's expense.	Item	
<b><u>SANITARY FITTINGS</u></b>			
<b><u>"Franke " stainless steel or similar approved</u></b>			
10	ET102 Stainless steel double fabricated economy washtrough,1030x440x300mm deep with a sloped front, complete with wash ridges, bolts, 40mm waste outlet, fixing lugs to mount the trough to the wall	No	1
11	ET101 Stainless steel single fabricated economy washtrough,540x440x300mm deep with a sloped front, complete with wash ridges, bolts, 40mm waste outlet, fixing lugs to mount the trough to the wall	No	3
12	1200x 500mm cascade stainless steel (CDx 621-120), with sinl lever mix, aerated swivel outlet, un-slotted c.p, sink waste with back nut and plug with stirrup (Code 317-40), p trap, with does seal amd cleaning eye (code va2.341) installed to a heigh of 900mm affl	No	1
<b>Carried Forward to Summary of Section No. 3</b>		R	
Section No. 3			
Bill No. 13			
Plumbing And Drainage			
<b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>			



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Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b> <b><u>BILL NO. 14</u></b> <b><u>GLAZING</u></b> <b><u>GLAZING TO STEEL WITH PUTTY</u></b> <b><u>6mm Normal strength clear laminated safety glass</u></b>				
1	Panes exceeding 1 and not exceeding 2m2	m2	86		
	<b>Carried Forward to Summary of Section No. 3</b>				
	Section No. 3 Bill No. 14 Glazing <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>			R	

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Brought Forward				R
<b><u>Three coats superior quality clear gloss varnish</u></b>				
6	On doors	m2	226	
7	Skirtings, rails, etc in narrow girths.	m	1,060	
<b><u>FIBRE CEMENT</u></b>				
<b><u>Prepare, stop and apply one coat alkali resistant primer, one coat universal undercoat and two finishing coats of acrylic emulsion paint on:</u></b>				
8	Fascia and barge boards.	m2	219	
<b>Carried Forward to Summary of Section No. 3</b>				R
Section No. 3				
Bill No. 15				
Paintwork				
<b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>				

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Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION 2</u></b>				
	<b><u>BILL NO. 16</u></b>				
	<b><u>PROVISIONAL SUMS</u></b>				
	<b><u>PREAMBLES</u></b>				
	For preambles see "Model Preambles for Trades November 2017"				
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
	<u>General</u>				
	The following Provisional Amounts are for work to be done by firms of specialists and will, unless expressly stated otherwise, be regarded as Selected Subcontractors to the Contractor.				
	The Contractor must assist in obtaining tenders and/or quotations from approved firms and submit them to the Agent/Representative for his approval.				
	The tenderer's attention is drawn to Section 1: Preliminaries for further amplification of Provisional- and Prime Cost Amounts.				
	Note: All provisional sums are "NETT".				
	The profit and attendance on Nominated/Selected Subcontract allowances will be adjusted to take the of actual Final Account values of the respective Subcontracts into account. The adjustment factor will be the percentages calculated with reference to the BoQ allowances.				
	<u>Profit</u>				
	Where listed the contractor may allow for profit if required. The profit will be adjusted in the same ratio as the adjusted value of the subcontract.				
	<b>Carried Forward</b>			R	
	Section No. 3 Bill No. 16 Provisional Sums <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>				

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<b>Brought Forward</b>		R	
<u>Attendance</u>			
Without in any way limiting the meaning and interpretation, "general attendance" on sub-contractors shall include free of charge to the sub-contractor the following services for the purpose of the relative subcontract works:			
<u>Work executed by subcontractors</u>			
Work listed under the heading "Work executed by subcontractors" shall be executed before and during this contract and the tenderer must allow free access to the site for such other contractors.			
These contractors shall be directly paid by the contractor and the tenderer must allow for programming in conjunction with them to complete the project successfully within the contract period.			
The estimated values of these contracts are listed to enable the tenderer to determine the extent of the attendance if required. Profit on these contracts shall not be allowed.			
<u>Budgetary allowances</u>			
Budgetary allowances shall be re-measured and valued on the same pricing structure as the rest of the contract or shall be omitted in full if so required.			
<b><u>COMMUNITY LIAISON OFFICER</u></b>			
1	Provide the sum of R100 000.00 (Ninety Thousand Rand) for CLO to be deducted in portion of R 10 000.00 per month for 10 months	Item	100,000.00
2	Allow for Profit	%	
3	Allow for attendance	%	
<b>Carried Forward</b>		R	
Section No. 3 Bill No. 16 Provisional Sums <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>			

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Brought Forward		R	
<b><u>MECHANICAL INSTALLATION</u></b>			
4	Provide a sum of R 1 216 949.00 (One Million Two Hundred and Sixteen Thousand Nine Hundred and Forty Nine Rands) for Mechanical Installation to be expended as the Principal Agent may direct or deducted in whole or in part, if not required	Item	1,216,949.00
5	Allow for Profit	%	
6	Allow for attendance	%	
<b><u>ELECTRICAL INSTALLATION</u></b>			
7	Provide a sum of R 3 109 112.14 (Three Million One Hundred and Nine Thousand One Hundred and Twelve Rands Fourteen Cents) for Electrical Installation to be expended as the Principal Agent may direct or deducted in whole or in part, if not required	Item	3,109,112.14
8	Allow for Profit	%	
9	Allow for attendance	%	
<b>Carried Forward to Summary of Section No. 3</b>		R	
Section No. 3			
Bill No. 16			
Provisional Sums			
<b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>			

**KwaZulu Natal Department of Education**  
**Asbestos Replacement**  
**Umzimkhulu PS**

Item No			Quantity	Rate	Amount R
	CPG Bill of Quantities:				
	<b>Note to tenderers: As CPGs may not provide any bidder a competitive advantage. Provisional amounts and fixed percentages for profit and attendance have been provided. Only the provisional amount will be adjusted once the awarded tender amount and/or the beneficiaries have been appointed, and the final values have been ascertained.</b>				
	<b>MINIMUM TARGETED LOCAL BUILDING MATERIAL MANUFACTURERS</b>				
	Provision is made for the Minimum Targeted Local Building Material Manufacturers CPG in the execution of this project as described in C3.1 Project Specifications. Allowance for monitoring and monthly reporting on material purchased from Local Building Material Manufacturers by main contractor and subcontractors based on determination by Employer taking into account specific project variables	PS	1	R39 174,40	R39 174,40
	Allowance for profit and attendance, all inclusive of associated costs to the contractor for implementation.	%			
	Allowance for attendance all inclusive of associated costs to the contractor for implementation.	%			
	<b>MINIMUM TARGETED LOCAL BUILDING MATERIAL SUPPLIERS</b>				
	Provision is made for the Minimum Targeted Local Building Material Suppliers CPG in the execution of this project as described in C3.1 Project Specifications. Allowance for monitoring and monthly reporting on material purchased from Local Building Material Suppliers by main contractor and subcontractors based on determination by Employer taking into account specific project variables	PS	1	R39 174,40	R39 174,40
	Allowance for profit and attendance, all inclusive of associated costs to the contractor for implementation.	%			
	Allowance for attendance all inclusive of associated costs to the contractor for implementation	%			
				R	
	<b>Carried Forward to Summary of Section No.</b>				
	Provisional Sums				

Item No			Quantity	Rate	Amount R
	<b>MINIMUM TARGETED ENTERPRISE DEVELOPMENT</b>				
	A provisional amount has been allowed for in the execution of this project as described in C3.1 Project Specifications. The provisional amount allowed is for the appointment of training coordinator, mentor, training service providers and training of the beneficiary enterprises including monitoring and monthly reporting.	PS	1	R391 743,99	R391 743,99
	Allowance for profit all inclusive of associated costs to the contractor for implementation.	%			
	Allowance for attendance all inclusive of associated costs to the contractor for implementation.	%			
	<b>LABOUR INTENSIVE PARTICIPATION GOAL</b>				
	Labour Intensive Participation Goal - Allowance for monthly reporting of labour intensive works by main contractor based on determination by Employer taking into account specific project variables. Allowance for monitoring and monthly reporting on Works executed by means of Labour Intensive methods by main contractor and subcontractors based on determination by Employer taking into account specific project variables	PS	1	R72 000,00	R72 000,00
	Allowance for profit all inclusive of associated costs to the contractor for implementation.				
	Allowance for attendance all inclusive of associated costs to the contractor for implementation.				
	<b>Carried to Collection</b>			R	
	Provisional Sums				



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Bill No	SECTION SUMMARY - OTHER BUILDINGS	Page No	Amount
1	Alterations	77	
2	Earthworks	80	
3	Concrete, Formwork And Reinforcement	82	
4	Masonry	84	
5	Waterproofing	85	
6	Roof Coverings, Cladding, Etc	86	
7	Carpentry And Joinery	91	
8	Ceilings, Partitioning And Access Flooring	93	
9	Floor Coverings	94	
10	Ironmongery	96	
11	Metalwork	99	
12	Plastering	101	
13	Plumbing And Drainage	103	
14	Glazing	104	
15	Paintwork	106	
16	Provisional Sums	109	
Carried to Final Summary			R
Section No. 3 UMZIMKHULU JUNIOR SECONDARY SCHOOL			

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Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 4</u></b>				
	<b><u>BILL NO. 1</u></b>				
	<b><u>EXTERNAL WORKS</u></b>				
	<b><u>RAINWATER TANKS AND STANDS</u></b>				
	<b><u>Excavations, Filling, Etc</u></b>				
1	Excavate in earth for trenches	m3	5		
2	Allow for keeping excavations free from water.		Item		
3	Earth filling (G5), selected and supplied by the Contractor, deposited in layers not exceeding 150mm thick, watered and consolidated to 95% modified AASHTO density under floors, etc.	m3	34		
4	Clean, dry, sand filling, selected and supplied, deposited, watered and consolidated in 50mm thick blinding layer under floors, etc.	m3	2		
5	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 90% Mod AASHTO density	m2	29		
6	Tricate weed killer in proportion 168kg to 1124 litres of water per hectare plus Agrol 90 sprayed onto surfaces of ground under floors, etc.	m2	33		
	<b><u>TESTING</u></b>				
7	Provide and have filling compaction check tested by a Consulting Engineer's Laboratory and deliver the results to the Consultant within 24 hours of the tests being completed.	No	10		
	<b>Carried Forward</b>			R	
	Section No. 4 Bill No. 1 External Work <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>				

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<b>Brought Forward</b>					<b>R</b>
<b><u>Reinforced Cement Concrete (25MPa) In</u></b>					
8	Footings.	m3	5		
9	Cement concrete in water tank stands and raft slabs cast in panels not exceeding 6m2.	m3	9		
<b><u>Fabric Reinforcement To Concrete Work</u></b>					
10	High tensile steel mesh Ref. 193 to concrete walkways, slabs, etc.	m2	29		
11	High tensile steel mesh Ref. 395 to concrete walkways, slabs, etc.	m2	29		
<b><u>Sundries</u></b>					
12	Float top of concrete, to falls, with a wood float and finish with a brushed non-skid surface whilst concrete still green with the addition of 2.1 sand and cement as necessary.	m2	29		
<b><u>Rough Formwork To</u></b>					
13	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	43		
<b><u>Brickwork In Clay Bricks In Cement Mortar In</u></b>					
14	One brick wall.	m2	47		
<b><u>BRICK REINFORCEMENT:</u></b>					
15	150mm Wide reinforcement built in horizontally	m	652		
<b><u>ONE LAYER 375MICRON EMBOSSED DAMPPROOF SHEETING</u></b>					
16	Under surface beds.	m2	29		
<b><u>FACE BRICKWORK</u></b>					
<b>Carried Forward</b>					<b>R</b>
Section No. 4 Bill No. 1 External Work <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>					

**UMZIMKHULU JUNIOR SECONDARY SCHOOL  
ASBESTOS REPLACEMENT PROGRAMME - 420  
PROVISIONAL BILL OF QUANTITIES**

	<b>Brought Forward</b>			<b>R</b>	
	<b><u>Allow The Prime Cost Of R 8000,00 Per Thousand Face Bricks Delivered To Site And Pointed With Ruled-In Vertical And Horizontal Joints</u></b>				
17	Extra over ordinary brickwork for face brickwork.	m2	30		
	<b><u>PLUMBING</u></b>				
	<b><u>Water Storage Tanks</u></b>				
18	5000 Litre Polyethylene water storage tank complete with lid and setting in position on concrete base (elsewhere) including tying down with 4mm diameter galvanised wire wrapped twice around centre of tank and secured to base.	No	8		
	<b><u>TAPS</u></b>				
	<b><u>Lockable tap cover provided with padlock</u></b>				
19	Water tank taps with padlock.	No	8		
	<b><u>FENCING</u></b>				
	<b><u>"ClearVu" or equal and approved Category 3 Security Fencing System</u></b>				
20	Fencing comprising of steel mesh panels size 3297 x 1800mm high at 3382mm centres, 4mm diameter hot dipped galvanised wire with aperture size 76,2mm x 12.7mm, panels to be reinforced with 4 x 50mm "V" recessed bands with 2 x 75mm 70 degree flanges along sides, including posts cast into 600mm deep x 400mm wide 15Mpa concrete base on one side, posts 85 x 45mm tapered, hot dipped galvanised and polymetic 6000 coated, including all single and double bolt comb clamps galvanised and polymetic 6000 coated and antivandal galvanised bolts, the fence fitted with anti-climb comprising of 100mm high galvanised "shark tooth" type spike rails, bolted to 50mm wide ClearVu mesh flange bent along fence on top, fitted with anti-burrow comprising of 500mm ripper flatwrap at the bottom, all installed according to manufacturer's instructions and specifications, suitable for coastal areas	m	450		
	<b>Carried Forward</b>			<b>R</b>	
	Section No. 4 Bill No. 1 External Work <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>				

**UMZIMKHULU JUNIOR SECONDARY SCHOOL  
ASBESTOS REPLACEMENT PROGRAMME - 420  
PROVISIONAL BILL OF QUANTITIES**

Brought Forward				R
<b><u>"ClearVu" Gate and Posts, etc.</u></b>				
21	Clearview Sliding Gate 2400mmx1800mm Complete with posts including all accessories and installed in accordance with manufacturer's instructions	No	1	
<b><u>EARTHWORKS</u></b>				
22	Cut & borrow to fill excavation in earth to make up levels in roads compacted in layers not exceeding 150mm thick to 95%modified AASHTO density	m3	940	
23	Extra over all excavations for carting away surplus material from excavations and/or from stockpiles on site to a dumping site to be located by the Contractor	m3	282	
24	Extra over open face excavations in earth for excavations in soft rock	m3	141	
25	Extra over open face excavations in earth for excavations in hard rock	m3	47	
26	Allow for keeping excavations free of all water other than subterranean water Filling, etc.		Item	
27	Selected layer imported natural gravel material (minimum G5 material to TRH14) supplied by the Contractor and brought onto site from commercial sources in filling under paving, etc compacted in layers not exceeding 150mm thick to 95% modified AASHTO density	m3	537	
28	Sub Base layer of imported natural gravel material (minimum C4 material to TRH14) supplied by the Contractor and brought onto site from commercial sources and compacted to 95% modified AASHTO density and process subbase material with 3% cement	m3	403	
Carried Forward				R
Section No. 4 Bill No. 1 External Work <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>				

**UMZIMKHULU JUNIOR SECONDARY SCHOOL  
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PROVISIONAL BILL OF QUANTITIES**

<b>Brought Forward</b>					<b>R</b>
<b><u>STABILIZATION</u></b>					
29	Chemical stabilization extra over unstabilized compacted layer with Grade 32,5N Type CEM ii upto 3%	t	29.00		
30	25mm Thick clean, dry, riversand layer treated with an approved weed killer at the rate of 50 grams per square metre, spread and levelled to receive paving blocks (elsewhere)	m2	67		
31	Tests to determine the degree of compaction, etc. of ground or filling	No	806		
<b><u>PRECAST CONCRETE</u></b>					
32	60mm Thick 35MPa precast concrete interlocking block paving of 220 x 97mm grey paving blocks in accordance with SABS Specification 1058 and laid to falls in herringbone bond on sand layer (elsewhere) with joints filled in with sand and vibrated, including all cutting	m2	2,686		
33	Precast concrete semi vertical kerbing to SABS 927 Fig. 7 in 1000mm lengths with 10mm wide butt joints filled in with (2:1) cement mortar and pointed with grooved half round joints and 10mm wide open butt joints at 5000mm centres including 15MPa/19mm mass concrete bedding size 50mm thick x 300mm wide, 20MPa/19mm mass concrete haunching size 225mm long x 225mm high x 150mm thick at joints, any necessary excavation, formwork, etc. and backfilling at back of kerbs, topsoiled and levelled to adjacent surfaces	m	928		
<b><u>STORM WATER DRAINAGE</u></b>					
<b><u>All excavations are measured as being in "earth" and/or filling compacted to 98% modified AASHTO density</u></b>					
<b>Carried Forward</b>					<b>R</b>
Section No. 4 Bill No. 1 External Work <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>					

**UMZIMKHULU JUNIOR SECONDARY SCHOOL  
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PROVISIONAL BILL OF QUANTITIES**

<b>Brought Forward</b>					<b>R</b>
<b><u>Mass concrete with a coarse aggregate of 19mm and a minimum compressive strength of 30MPa at 28 days</u></b>					
34	V-shaped channel 1500mm wide x 150mm thick concrete lining with rounded salient edges and wood float finish on exposed surfaces, laid to falls in panels not exceeding 1800mm long with 12mm bitumen impregnated softboard movement joints, including all necessary excavation and formwork (Refer to Civil Engineers. Details KZN/RT/RNT/SC/W002 Typical detail for unlined and lined trapezoidal stormwater drains)	m	400		
<b><u>Earthworks</u></b>					
35	Excavation exceeding 1m and not exceeding 2m deep for pipe trenches	m3	297		
36	Selected sand filling supplied by the contractor in bedding under and filling around pipes	m3	17		
37	600mm Diameter concrete pipes Class 50D concrete pipes with interlocking joints	m	150		
38	Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density	m3	198		
39	Earth Trapezoidal shaped (combination of cut and compact to 93% MOD AASHTO) spill basin size 1800mm at head, 1800mm at base end and 1800mm along the sides, formed of 150mm thick gravel material including all necessary excavation, backfilling and compaction (Refer to Civil Engineers. Typical outlet works)	m3	108		
<b>Carried to Final Summary</b>					<b>R</b>
Section No. 4 Bill No. 1 External Work <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>					

**UMZIMKHULU JUNIOR SECONDARY SCHOOL  
ASBESTOS REPLACEMENT PROGRAMME - 420  
PROVISIONAL BILL OF QUANTITIES**

Section No	<u>FINAL SUMMARY</u>	Page No	Amount
1	PRELIMINARIES	50	
2	ABLUTIONS	71	
3	OTHER BUILDINGS	110	
4	EXTERNAL WORKS	116	
	SUBTOTAL BUILDING WORKS		R
	CONTINGENCIES_AT_5%	Item	
	SUBTOTAL INCLUDING CONTINGENCIES		R
	Add VAT @15%		R
	<b>Carried to Form of Tender</b> <b>UMZIMKHULU JUNIOR SECONDARY SCHOOL</b>		R



## SECTION B - KHATHI PS BOQ

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 1</u></b>			
	<b><u>BILL NO. 1</u></b>			
	<b><u>PRELIMINARY AND GENERAL (Applicable to the whole of the Works)</u></b>			
	<b><u>PRELIMINARIES NOTES</u></b>			
	<b><u>BUILDING AGREEMENT AND PRELIMINARIES</u></b>			
	<p>The JBCC Series 2000 Principal Building Agreement (March 2005 edition 4.1) prepared by the Joint Building Contract Committee shall be the applicable building agreement, amended as hereinafter described.</p> <p>The ASAQS Preliminaries (November 2007 edition) published by the Association of South African Quantity Surveyors for use with the said JBCC Principal Building Agreement shall be deemed to be incorporated in these bills of quantities.</p> <p>Contractors are referred to the above mentioned 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>			
	<b><u>PREAMBLES FOR TRADES</u></b>			
	<p>The Model Preambles for Trades (2008 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claim arising from brevity of description of items fully described in the said Model Preambles will be entertained</p>			
	<b>Carried Forward</b>		R	
	<p>Section No. 1 Preliminaries Bill No. 1 Preliminaries</p>			

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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.

### Pricing of Preliminaries:

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

R

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	<b>Brought Forward</b>		R	
	<b><u>Definitions</u></b>			
1/1/1	<p>Clause 1.0 - Definitions and interpretation</p> <p>Clause 1.1 is amended as follows:</p> <p>Replace the following definitions in <b>DEFINITIONS AND INTERPRETATIONS</b> with the following wording:</p> <p><b>CORRUPT PRACTICE</b> means the offering, giving, receiving and soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution</p> <p><b>FRAUDULENT PRACTICE</b> means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer, and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition.</p> <p><b>INTEREST</b> means the interest rates applicable to 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><b>SECURITY</b> means the form of security provided by the <b>employer</b> or <b>contractor</b>, as stated in the <b>schedule</b>, from which the <b>contractor</b> or <b>employer</b> may recover expense or loss.</p> <p>Clause 1.6 is amended as follows:</p> <p>Any notice given may be delivered by hand, sent by prepaid registered post or telefax. Notice shall be presumed to have been duly given when:</p> <p>Delete sub-clause 1.6.4</p> <p>F:..... V:.....</p> <p>T:.....</p>			
		Item		
	<b>Carried Forward</b>		R	
	<p>Section No. 1</p> <p>Preliminaries</p> <p>Bill No. 1</p> <p>Preliminaries</p>			

<b>Brought Forward</b>			R
	<b><u>Objective and preparations</u></b>		
1/1/2	<p>Clause 2.0 - Offer acceptance and performance obligations</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/3	<p>Clause 3.0 - Documents</p> <p>Clause 3.1 is hereby deleted and no payment guarantee will thus be provided by the employer.</p> <p>Delete sub-clause 3.5</p> <p>Delete sub-clause 3.6</p> <p>Add to end of clause 3.7</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> <p>Delete sub-clause 3.9</p> <p>Amend clause 3.9 as follows:</p> <p>Replace the second reference to "principal agent" with the word employer.</p> <p>F:..... V:..... T:.....</p>	Item	
<b>Carried Forward</b>			R
<p>Section No. 1 Preliminaries Bill No. 1 Preliminaries</p>			

	<b>Brought Forward</b>		<b>R</b>	
1/1/4	<p>Clause 4.0 - Design responsibility</p> <p>The following new sub clause is hereby added to this clause:</p> <p>4.4 Notwithstanding the provisions of 4.2 the contractor shall ensure that every such nominated or selected sub contractor shall simultaneously with the signing of the relevant nominated or selected sub contractor sign and deliver to the employer a design materials and workmanship warranty and undertaking in favour of the employer or a materials and workmanship warranty and undertaking strictly in accordance with the instructions or provisions contained in the tender documents for the nominated or selected subcontract work.</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/5	<p>Clause 5.0 - Employer's agents</p> <p>Clause 5.1 is amended as follows:</p> <p>The employer has retained its authority and has not given a mandate to the principal agent and in terms of which the employer shall sign all documents</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/6	<p>Clause 6.0 - Contractor's site representative</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/7	<p>Clause 7.0 - Compliance with laws and regulations</p> <p>F: ..... V:..... T:.....</p>	Item		
	<b>Carried Forward</b>		<b>R</b>	
	<p>Section No. 1 Preliminaries Bill No. 1 Preliminaries</p>			

Brought Forward		R
1/1/8	<p>Without limiting the generality of the provisions of clause 7.0, the contractor's attention is drawn to the provisions of the Construction Regulation 2014 issued in terms of the Occupational Health and Safety Act, 1993. It is specifically stated that the employer shall prepare a documented health and safety specification for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specifications.</p> <p>Clause 8.0 - Works risk</p> <p>F:..... V:..... T:.....</p>	Item
1/1/9	<p>Clause 9.0 - Indemnities</p> <p>Clause 90 is amended by adding Clause 9.1.4 as follows:</p> <p>The contractor indemnifies and holds harmless the employer against all liability, losses, claims, damages, penalties, actions, proceedings or judgements (collectively referred to as "Losses") arising from any infringement of letters, patent design, trademark, name, copyright or other protected rights in respect of any machine, plant, work, materials, thing, system or method of using, fixing, working or arrangement used or fixed or supplied by the contractor, but such indemnity shall not cover any use of the equipment of part thereof otherwise than in accordance with provisions of the specification. All payments and royalties payable in one sum or by instalments or otherwise shall be included by the contractor in the price and shall be paid by him to those to whom they may be payable. The contractor shall reimburse the employer for all legal and other costs and expenses, including without limitation attorneys fees on attorney-client scale incurred by the employer in connection with investigation, defending or settling any losses in connection with pending or threatening litigation in which the employer is a party.</p> <p>F:..... V:..... T:.....</p>	Item
Carried Forward		R
<p>Section No. 1 Preliminaries Bill No. 1 Preliminaries</p>		

**Brought Forward**

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1/1/10

**Clause 10.0 - Work insurances**

Clause 10.0 is amended by adding Clause 10.5 as follows:

**Damage to the works**

a) Without 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 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 materials paid for by the employer that is the result of the expected 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.

Add the following as 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 negligence 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 or damage to any moveable, or immoveable property or personal property or property contiguous to the site, whether

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<p style="text-align: center;"><b>Brought Forward</b></p> <p>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 at or negligence of any person for whose actions the employer is legally liable.</p> <p>c) The contractor shall upon receiving a contract instruction from the principal agent cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the employer shall be entitled to cause it to be made good and to recover the costs therefore from the contractor or to deduct the same from amounts due to the contractor.</p> <p>d) The contractor shall be responsible for the protection and safety of such portions of the premises placed under his control by the employer for the purpose of executing the works until the issue of the certificate of practical completion</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 contractor shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the works has been completed.</p> <p>f) The contractor shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and / or repair such property and to execute the works.</p> <p>Add the following as 10.7</p> <p><b>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 which might result in catastrophic ground movement evident by sink hole or dolomite formation the following will apply:</p> <p><b>10.7.1 Damage to the works</b></p> <p>The contractor shall, from the commencement date of the works until the date of the certificate of practical completion, bear the full risk of and hereby indemnifies</p> <p style="text-align: center;"><b>Carried Forward</b></p> <p>Section No. 1 Preliminaries Bill No. 1 Preliminaries</p>		R	
		R	

<p style="text-align: center;"><b>Brought Forward</b></p> <p>and hold harmless the employer against any damage to and/or destruction of the works consequent upon a catastrophic ground movement as mentioned above. The contractor shall take such precautions and security measures and other steps for the protection of the works as he may deem necessary.</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, replace and/or repair the works, at the contractors own costs.</p> <p><b>10.7.2 Injury to persons or loss of or damage to property</b></p> <p>The contractor shall be liable for and hereby indemnifies and holds harmless the employer against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above.</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 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 construction.</p> <p>10.7.3 It is the responsibility of the <b>contractor</b> to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the <b>contractor's</b> obligations in terms of the contract, the <b>contractor</b> shall, within twenty one (21) <b>calendar days</b> of the <b>commencement date</b> but before commencement of the <b>works</b> submit to the <b>employer</b> proof of such insurance policy, if requested to do so.</p> <p>10.7.4 The <b>employer</b> shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred subsequent upon the <b>contractor's</b> default of his obligations as set out in 10.7.1, 10.7.2 and 10.7.3. Such losses or damages may be recovered from the <b>contractor</b> or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the</p>		R	
<p style="text-align: center;"><b>Carried Forward</b></p> <p>Section No. 1 Preliminaries Bill No. 1 Preliminaries</p>		R	

Brought Forward		R
	<p><b>employer</b> and the <b>contractor</b> and for this purpose all these contracts shall be considered one indivisible whole.</p> <p>F: ..... V: ..... T: .....</p>	Item
1/1/11	<p>Clause 11.0 - Liability insurances</p> <p>F: ..... V: ..... T: .....</p>	Item
1/1/12	<p>Clause 12.0 - Effecting insurances</p> <p>F: ..... V: ..... T: .....</p>	Item
1/1/13	<p>Clause 13.0 - Assignment</p> <p>F: ..... V: ..... T: .....</p>	Item
1/1/14	<p>Clause 14.0 - Security</p> <p>F: ..... V: ..... T: .....</p>	Item
	<b><u>Execution</u></b>	
1/1/15	<p>Clause 15.0 - Preparation for and execution of the works</p> <p>Clause 15 is amended by adding clause 15.1.4 as follows:</p> <p>An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within fourteen (14) <b>calendar days</b> of date of acceptance of the tender.</p> <p>Amend clause 15.2.1 as follows:</p> <p>Give the <b>contractor</b> possession of the <b>site</b> within ten (10) <b>working days</b> of the <b>contractor</b> complying with the terms of 15.1</p> <p>F: ..... V: ..... T: .....</p>	Item
Carried Forward		R
<p>Section No. 1 Preliminaries Bill No. 1 Preliminaries</p>		

	<b>Brought Forward</b>		R	
1/1/16	<p>Clause 16.0 - Site and access</p> <p>Clause 16.7 - <i>Known services</i></p> <p>Clause 16.8 - <i>Protection of trees</i></p> <p>F:..... V:..... T:.....</p>	Item		
1/1/17	<p>Clause 17.0 - Contract instructions</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/18	<p>Clause 18.0 - Setting out of the works</p> <p>The following new sub clause is hereby added to this clause:</p> <p>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.</p> <p>F:..... V:.....T:.....</p>	Item		
	<b>Carried Forward</b>		R	
	<p>Section No. 1 Preliminaries Bill No. 1 Preliminaries</p>			

	<b>Brought Forward</b>		R	
1/1/19	<p>Clause 19.0 - Temporary works and plant</p> <p>Sub-clause 19.1.1 - Enclosure of the works</p> <p>The contractor is to hoard of the working area of the site in such a manner with 18mm thick shutter ply on timber supports as to not allow access to the site and maintain there health and safety at all times.</p> <p>Sub-clause 19.1.2 - Office accommodation The following to be added to sub clause 19.1.2</p> <p>The Contractor shall provide, maintain and remove on the completion a complex of offices and other accommodation as listed hereunder:</p> <p>One number (1) Boardroom/Office to be electrified and air-conditioned to accommodate 20 people, including boardroom table and appropriate seating, pinning boards, adequate drawing racks / filing systems and a white board size 2.0 x 1.5m high. The boardroom / office to have adequate plug points as well as fax, photocopying, printing and e-mail facilities.</p> <p>Clause 19.2 - <i>Notice boards</i></p> <p>The following shall be added to sub clause 19.2</p> <p>Main Notice Board - One main notice boards shall be provided as per the SAIA standard details.</p> <p>F:..... V:..... T:.....</p>			
		Item		
1/1/20	<p>Clause 20.0 - Nominated subcontractors</p> <p>Clause 20 is amended as follows:</p> <p>Delete clause 20.1.3</p> <p>F:..... V:..... T:.....</p>			
		Item		
	<b>Carried Forward</b>		R	
	<p>Section No. 1 Preliminaries Bill No. 1 Preliminaries</p>			

	<b>Brought Forward</b>		R	
1/1/21	<p>Clause 21.0 - Selected subcontractors</p> <p>Clause 21 is amended as follows:</p> <p>Replace sub-clauses 21.1.2 to 21.1.4 and 21.2 to 21.6 with the following:</p> <p>The <b>contractor</b> and <b>principal agent</b> shall appoint a <b>selected subcontractor</b> in accordance with the provisions of the Scope of Work.</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/22	<p>Clause 22.0 - Employer's direct contractors</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/23	<p>Clause 23.0 - Contractor's domestic subcontractors</p> <p>F:..... V:..... T:.....</p>	Item		
	<b><u>Completion</u></b>			
1/1/24	<p>Clause 24.0 - Practical completion</p> <p>The contractor shall not receive any mark-up for overheads and profit on any omission of work by others directly appointed by the client. Claims of loss of profit shall not be entertained</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/25	<p>Clause 25.0 - Works completion</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/26	<p>Clause 26.0 - Final completion</p> <p>F:..... V:..... T:.....</p>	Item		
	<b>Carried Forward</b>		R	
	<p>Section No. 1 Preliminaries Bill No. 1 Preliminaries</p>			

	Brought Forward		R
1/1/27	<p>Clause 27.0 - Latent defects liability period</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/28	<p>Clause 28.0 - Sectional completion</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/29	<p>Clause 29.0 - Revision of date for practical completion</p> <p>Clause 29.0 is amended by as follows:</p> <p>Sub clause 29.1.1 is hereby deleted and substituted by the following:</p> <p>Exceptionally inclement weather, which shall only relate to weather with a degree of inclemency which is materially greater than or is materially beyond the average inclemency experienced in the past five years and / or recorded in terms of available records or otherwise, at or for the area in which the site is situated for the periods in question. Any revision of date for practical completion which may, in terms of this clause be allowed for exceptionally inclement weather, shall be related only to those periods of exceptionally inclement weather by which the average periods of time, during which exceptionally inclement weather is experienced and/or recorded in the area in which the site is situated is exceeded. The contractor is therefore to make allowance for normal vagaries of the weather.</p> <p>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 for the adjustment of the contract value (Clause 29.3)</p> <p>The addition of the following clauses:</p> <p>Clause 29.9 "Revision to the date for <b>practical completion</b> shall only be considered when work on the critical path of the agreed programme for the works is delayed."</p> <p>Clause 29.10 - Acceleration</p> <p>Clause 29.10.1 Irrespective of whether or not the <b>principal agent</b> rules that the <b>contractor</b> is entitled to an</p>		
	Carried Forward		R
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	<b>Brought Forward</b>		R
	<p>extension of time or a revision of the date for <b>practical completion</b>, the <b>principal agent</b> shall nevertheless, at any time, be entitled to instruct the <b>contractor</b> in writing to accelerate the progress of the remaining <b>works</b> to ensure that the <b>works</b> are completed by the original date for <b>practical completion</b> or revised date as the case may be.</p> <p>Clause 29.10.2 Upon receipt of such instruction, the <b>contractor</b> shall take all necessary steps to ensure that the <b>works</b> are completed timeously including the provision by him of additional resources, plant, manpower, etc and the working overtime or additional overtime beyond that contemplated at the time of tender (at all times adhering to the regulations and requirements of all authorities) and by all other adequate and proper means and methods. The <b>contractor</b> shall prove that such steps are being taken if called upon to do so.</p> <p>Clause 29.10.3 The <b>contractor's</b> entitlement to compensation arising out of or in respect of any revision to the date for <b>practical completion</b> that may have been granted by the <b>principal agent</b> or alternatively where the <b>principal agent</b> has instructed the <b>contractor</b> to accelerate, shall be adjudicated strictly in terms of clause 32.</p> <p>F:..... V:..... T:.....</p>		
1/1/30	<p>Clause 30.0 - Penalty for late or non-completion</p> <p>F:..... V:..... T:.....</p>	Item	
		Item	
	<b>Carried Forward</b>		R
	<p>Section No. 1 Preliminaries Bill No. 1 Preliminaries</p>		



	<b>Brought Forward</b>		R	
	<b><u>Payment</u></b>			
1/1/31	<p>Clause 31.0 - Interim payment</p> <p>The inclusion of materials and goods stored off site in the amount authorised 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</p> <p>Materials and goods stored off site shall not be included in the amount authorised for payment, unless authorised by the Principal Agent.</p> <p>Sub clause 31.9 is hereby amended by the substitution of the words seven "(7) calender days" in the first line by the words "thirty (30) calender days".</p> <p>Sub clause 31.10 is hereby amended by the substitution of the words "practical completion" in the second and fourth lines by the words "final completion".</p> <p>Sub clause 31.12 Delete "Payment shall be subject to the employer giving the contractor a tax invoice for the amount due.</p> <p>F:..... V:..... T:.....</p>	Item		
	<b>Carried Forward</b>		R	
	<p>Section No. 1 Preliminaries Bill No. 1 Preliminaries</p>			

	<b>Brought Forward</b>		<b>R</b>
1/1/32	<p>Clause 32.0 - Adjustment to the contract value</p> <p>All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor.</p> <p>The following new sub clauses 32.16 is added to this clause:</p> <p>Where prices are submitted by the contractor or n/s subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of the contract and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the final payment certificate, it shall be in writing.</p> <p>The following is to be added to clause 32.5.1 , 32.5.4 , 32.5.7</p> <p>".....due to no fault of the contractor"</p> <p>Delete sub-clause 32.12</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/33	<p>Clause 33.0 - Recovery of expense and loss</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/34	<p>Clause 34.0 - Final account and final payment</p> <p>Sub-clause 34.13 is amended as follows:</p> <p>Replace "seven (7) calender days" with "twenty one (21) calender days" and delete the words "subject to the employer giving the contractor a tax invoice for the amount due"</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/35	<p>Clause 35.0 - Payment to other parties</p> <p>F:..... V:..... T:.....</p>	Item	
	<b>Carried Forward</b>		<b>R</b>
	<p>Section No. 1 Preliminaries Bill No. 1 Preliminaries</p>		

Brought Forward		R
	<b><u>Termination</u></b>	
1/1/36	<p>Clause 36.0 - Termination by employer - contractor's default</p> <p>Clause 36 is amended as follows:</p> <p>Replace reference to 36.3 at end of sentence with 36.0</p> <p>Add the following clauses 36.1.3 to 36.1.5 under 36.1 to read as follows:</p> <p>The <b>contractor's</b> refusal or neglect to comply strictly with any of the conditions of contract.</p> <p>The <b>contractor's</b> estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force with the Republic of South Africa.</p> <p>The <b>contractor</b>, in the judgement of the <b>employer</b>, has engaged in <b>corrupt</b> or <b>fraudulent practices</b> in competing for or in executing the contract.</p> <p>F:..... V:..... T:.....</p>	Item
1/1/37	<p>Clause 37.0 - Termination by employer - loss and damage</p> <p>Sub-clause 37.3.5 is amended as follows:</p> <p>Replace "ninety (90)" with "one hundred and twenty (120)".</p> <p>F:..... V:..... T:.....</p>	Item
1/1/38	<p>Clause 38.0 - Termination by contractor - employer's default</p> <p>F:..... V:..... T:.....</p>	Item
Carried Forward		R
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	<b>Brought Forward</b>		R	
1/1/39	<p>Clause 39.0 - Termination - cessation of the works</p> <p>Sub-clause 37.3.5 is amended as follows:</p> <p>Add the following words at the end thereof: "within one hundred and twenty (120) <b>working days</b> of completion of such a report."</p> <p>F:..... V:..... T:.....</p> <p><b><u>Dispute</u></b></p>	Item		
1/1/40	<p>Clause 40.0 - Settlement of disputes</p> <p>F:..... V:..... T:.....</p> <p><b><u>Substitute provisions</u></b></p>	Item		
1/1/41	<p>Clause 41.0 - State clauses</p> <p><b><u>Contract variables</u></b></p>	Item		
1/1/42	<p>Clause 42.0 - Pre-tender information</p> <p>Tenderers are referred to the document C1.2 Contract Data for variables pertaining to this contract</p>	Item		
1/1/43	<p>Clause 42.0 - Post-tender information</p> <p>The required post-tender information shall be inserted in the agreement after consultation with the contractor</p> <p><b><u>Contract Data - Employer to Contractor</u></b></p> <p>Given hereunder are all variables referred to in the Principal Building Agreement and which are set out in "Contract Data EC", prepared and published by the Joint Building Contracts committee: Edition 5. Code 2101 - EC, July 2007.</p>	Item		
	<b>Carried Forward</b>		R	
	<p>Section No. 1 Preliminaries Bill No. 1 Preliminaries</p>			

<p style="text-align: right;"><b>Brought Forward</b></p> <p><b><u>1.0 Contracting and Other Parties</u></b></p> <p>1.1 <b>Employer:</b> Development Bank of Southern Africa</p> <p>Postal address:</p> <p>1258 Lever Road Midrand South Africa Code 1682</p> <p>Tel: (011) 313 3911</p> <p>Fax: (011) 313 3911</p> <p>Physical Address:</p> <p>1258 Lever Road Midrand South Africa</p> <p>1.2 Principal Agent:</p> <p>Ukuza Consulting (Pty) Ltd.</p> <p>Postal address:</p> <p>15 The Boulevard Westway Office Park Westville</p> <p>Code: 3630</p> <p>Tel: (031) 265 0444</p> <p>Fax: (086) 208 0491</p> <p>E-mail: <a href="mailto:chris@ukuza.co.za">chris@ukuza.co.za</a></p> <p>Physical address:</p> <p>15 The Boulevard Westway Office Park Westville</p> <p><b><u>2.0 Contract and Site Information</u></b></p> <p>2.1 The Law applicable to this agreement shall be that of:</p> <p style="text-align: center;"><b>Republic of South Africa</b></p> <p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 1 Preliminaries Bill No. 1 Preliminaries</p>		R	
		R	

<b>Brought Forward</b>	R
<p>2.2 Works Identification</p> <p>Asbestos eradication and associated roofing works to Khathi High School.</p> <p>2.3 Site Description</p> <p><b>Khathi High School</b></p> <p>2.4 Possession of the site to be given on</p> <p style="text-align: center;"><b>TBA</b></p> <p>2.5 Period of the commencement of the works after the contractor takes possession of the site</p> <p style="text-align: center;"><b>TBA</b></p> <p>2.6 Completion of the works in sections is required</p> <p style="text-align: center;"><b>YES</b></p> <p>2.7 Waivers of the <b>contractors lien</b> or right of continuing possession is required</p> <p style="text-align: center;"><b>NO</b></p> <p>2.8 Defined restrictions to the site area. Where "yes" the specific requirements are described below: The contractor is to hoard of the site in such a manner as to not allow learners/staff access</p> <p style="text-align: center;"><b>YES</b></p> <p>Due to the facility being fully operational strict restrictions in terms of hoarding, setting out etc. will be provided to the contractor by the Principal Agent</p> <p>2.9 Geo-technical investigation of the site has been undertaken. Where "yes" the results are included in the contract documents.</p> <p style="text-align: center;"><b>NO</b></p>	
<b>Carried Forward</b>	R
<p>Section No. 1  Preliminaries  Bill No. 1  Preliminaries</p>	

<b>Brought Forward</b>	R
<p>2.10 Existing premises will be occupied. Where "yes" the specific requirements are described.</p> <p style="text-align: center;"><b>YES</b></p> <p><b>School will be fully operational during construction. therefore the Health and Safety of the staff &amp; learners are of utmost importance</b></p> <p>2.11 Provision of temporary services is required. Where "yes" the specific requirements are detailed elsewhere in the contract documents (Refer to section B: Preliminaries)</p> <p>2.12 Protection of existing trees or shrubs is required. Where "yes" the specific requirements are described below:</p> <p style="text-align: center;"><b>NO</b></p> <p><b><u>3.0 Insurance and Securities</u></b></p> <p>3.1 Contract works insurance to be effected by:</p> <p><b>Contractor</b>  For the sum of: 'Reference is made to Contract Data'  With a deductible of: an amount to be payable by the contractor</p> <p>3.2 Supplementary / Special insurance to be effected by:</p> <p>'Reference is made to Contract Data for specific insurance'</p> <p>3.3 Public Liability Insurance to be effected by:</p> <p><b>Contractor</b>  For the sum of: 'Reference is made to Contract Data'  With a deductible of: an amount to be payable by the contractor</p> <p>3.4 Support insurance to be effected by:</p> <p>'Reference is made to Contract Data for specific insurance'</p>	
<b>Carried Forward</b>	R
<p>Section No. 1  Preliminaries  Bill No. 1  Preliminaries</p>	

<b>Brought Forward</b>		R	
<p><b><u>4.0 Practical Completion Date and Penalties</u></b></p> <p>4.1 For the works as a whole</p> <p>The date of practical completion and the penalty per calender day</p> <p><u>Date:</u></p> <p><b>TBA</b></p> <p><u>Penalty Amount</u></p> <p>'Reference is made to Contract Data' for breakdown of penalties</p> <p><b><u>5.0 Documents and General</u></b></p> <p>5.1 Construction document copies to be supplied to the contractor free of charge</p> <p style="text-align: right;"><b>3</b></p> <p>5.2 The price document may be used as specification of materials and goods and work methods</p> <p style="text-align: right;"><b>No</b></p> <p>5.3 The contractor shall provide a schedule of rates</p> <p style="text-align: right;"><b>Yes</b></p> <p>5.4 Changes made to the JBCC standard documents (Refer to clause 6.0 below)</p> <p style="text-align: right;"><b>Yes</b></p> <p>5.5 On acceptance of the tender, the priced document is to be submitted with the stated working days</p> <p style="text-align: center;"><b>Priced Bills of Quantities to be submitted at the Tender Closing</b></p> <p>5.6 Work to be undertaken by direct contractors as detailed below:</p> <p style="text-align: right;"><b>NO</b></p>			
<b>Carried Forward</b>		R	
<p>Section No. 1  Preliminaries  Bill No. 1  Preliminaries</p>			



<b>Brought Forward</b>	R
<p>5.7 On achievement of practical completion the contractor is to hand over manuals, certificates etc. related to the works as listed below:</p> <ol style="list-style-type: none"> <li>1. Soil poisoning</li> <li>2. Glazing</li> <li>3. TR1 &amp; TR2</li> <li>4. Compaction tests</li> <li>5. Concrete cube tests</li> <li>6. Electrical COC</li> <li>7. Mechanical COC</li> <li>8. User Manuals</li> <li>9. Warranties</li> <li>10. Plumbing COC</li> <li>11. Various certificates as requested by the Principal Agent</li> </ol> <p>5.8 Interim payment certificate to be issued by:</p> <p style="text-align: center;"><b>'As per Contract Data'</b></p> <p><b><u>6.0 Details of changes made to the Standard JBCC Document</u></b></p> <p><b>Section A: JBCC Principal Building Agreement</b></p> <p>Clause 1.1 is hereby amended          Clause 1.6 is hereby amended          Clause 3.1 is hereby deleted          Clause 3.5 is hereby deleted          Clause 3.6 is hereby deleted          Clause 3.7 is hereby amended          Clause 3.9 is hereby deleted          New sub clause 4.4 is hereby added          Clause 5.1 is hereby amended          Sub Clause 9.1.4 is hereby added          Sub Clause 10.5 is hereby added          Sub Clause 10.6 is hereby added          Sub Clause 10.7 is hereby added          Sub Clause 10.7.1 is hereby added          Sub Clause 10.7.2 is hereby added          Sub Clause 10.7.3 is hereby added          Sub Clause 10.7.4 is hereby added          Sub Clause 15.1.3 is hereby added          Sub Clause 15.2.1 is hereby amended          Clause 16.7 is hereby amended          Clause 18.0 is hereby amended          New sub clause 19.1.1 is hereby added          Sub clause 19.1.2 is hereby amended</p>	
<b>Carried Forward</b>	R
<p>Section No. 1          Preliminaries          Bill No. 1          Preliminaries</p>	

<b>Brought Forward</b>	R
<p>Sub clause 19.2 is hereby amended            Clause 21 is hereby amended            Sub clause 29.1.1 is hereby amended            New Sub Clause 29.9 is hereby added            New Sub Clause 29.10 is hereby added            New Sub Clause 29.10.1 is hereby added            New Sub Clause 29.10.2 is hereby added            New Sub Clause 29.10.3 is hereby added            Sub clause 31.9 is hereby amended            Sub clause 31.10 is hereby amended            Sub Clause 31.12 is hereby amended            New sub clause 32.16 is hereby added            Sub Clause 32.5.1 is hereby amended            Sub Clause 32.5.4 is hereby amended            Sub Clause 32.5.7 is hereby amended            Sub Clause 32.12. is hereby deleted            Sub Clause 34.13 is hereby amended            Sub Clause 363 is hereby amended            New Sub Clause 36.1.3 is hereby added            New Sub Clause 36.1.4 is hereby added            New Sub Clause 36.1.5 is hereby added            Sub Clause 37.3.5 s hereby amended            Sub clause 34.11 is hereby amended</p> <p><b>Section B: ASAQS Preliminaries</b></p> <p>Clause 4.1 is hereby amended            Clause 4.3 is hereby amended            Clause 9.3 is hereby amended            Clause 9.7 is hereby amended</p> <p><b><u>7.0 Declaration by the Principal Agent</u></b></p> <p>I the principal agent named in the above, declare that the information provided above is complete and accurate at the time of calling for tenders. Where necessary should any of the above information need to be varied, tenders will be forthwith thereof in writing.</p> <p>Principal Agent:.....</p> <p>Date:.....</p> <p>Note: To be formally signed as part of contract documents.</p> <p><b><u>SECTION B - PRELIMINARIES</u></b></p>	
<b>Carried Forward</b>	R
<p>Section No. 1            Preliminaries            Bill No. 1            Preliminaries</p>	

<b>Brought Forward</b>			R
	<b><u>Definitions and interpretation</u></b>		
1/1/44	<p>Clause 1.0 - Definitions and interpretation.</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item	
	<b><u>Documents</u></b>		
1/1/45	<p>Clause 2.1 - Checking of documents</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item	
1/1/46	<p>Clause 2.2 - Bills of quantities</p> <p>The quantities in the Bills of Quantities are an indication of the works to be executed and are subject to remeasurement.</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item	
1/1/47	<p>Clause 2.3 - Availability of construction documentation</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item	
1/1/48	<p>Clause 2.4 - Interest of agents</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item	
1/1/49	<p>Clause 2.5 - Priced documents</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item	
1/1/50	<p>Clause 2.6 - Tender submission</p> <p>F:..... V:.....</p> <p>T:.....</p> <p>Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer and Acceptance (C1.1)"</p>	Item	
<b>Carried Forward</b>			R
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<b>Brought Forward</b>			R
	<b><u>The site</u></b>		
1/1/51	<p>Clause 3.1 - Defined works area</p> <p>The area of the works to be occupied by the contractor, any restriction on the area and the limit of access or exit will be pointed out to the contractor by the Principal Agent on handing over of the site</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/52	<p>Clause 3.2 - Geotechnical investigation</p> <p>A copy of the geotechnical investigation report is annexed to these bills of quantities</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/53	<p>Clause 3.3 - Inspection of the site</p> <p>Tenderers shall complete the Site Inspection Certificate included in the tender documents and return the same with the tender submission</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/54	<p>Clause 3.4 - Existing premises occupied</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/55	<p>Clause 3.5 - Previous work - dimensional accuracy</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/56	<p>Clause 3.6 - Previous work - defects</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/57	<p>Clause 3.7 - Services - known</p> <p>F:..... V:..... T:.....</p>	Item	
<b>Carried Forward</b>			R
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<b>Brought Forward</b>			R	
1/1/58	Clause 3.8 - Services - unknown F:..... V:..... T:.....	Item		
1/1/59	Clause 3.9 - Protection of trees F:..... V:..... T:.....	Item		
1/1/60	Clause 3.10 - Articles of value F:..... V:..... T:.....	Item		
1/1/61	Clause 3.11 - Inspection of adjoining properties F:..... V:..... T:.....	Item		
	<b><u>Management of contract</u></b>			
1/1/62	Clause 4.1 - Management of the works F:..... V:..... T:.....	Item		
1/1/63	Clause 4.2 - Programme for the works F:..... V:..... T:.....	Item		
1/1/64	Clause 4.3 - Progress meetings F:..... V:..... T:.....	Item		
1/1/65	Clause 4.4 - Technical meetings F:..... V:..... T:.....	Item		
1/1/66	Clause 4.5 - Labour and plant records F:..... V:..... T:.....	Item		
<b>Carried Forward</b>			R	
Section No. 1 Preliminaries Bill No. 1 Preliminaries				

	<b>Brought Forward</b>		R	
	<b><u>Samples, shop drawings and manufacturer's instructions</u></b>			
1/1/67	<p>Clause 5.1 - Samples of materials</p> <p>Clause 5.1 is hereby amended by the addition of the following:</p> <p>The principal agent may reject any materials or colour not corresponding with the approved samples. The approved samples shall be kept on site until completion of the works.</p> <p>Should any materials or items specified prove to be either unavailable, in poor supply or likely to cause delay to the works, the contractor shall notify the principal agent in sufficient time for suitable alternatives to be considered. Any claims for delays resulting from the contractor not confirming with the terms of this clause will not be entertained or allowed.</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/68	<p>Clause 5.2 - Workmanship samples</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/69	<p>Clause 5.3 - Shop drawings</p> <p>Clause 5.3 is hereby amended by the addition of the following:</p> <p><b>General Responsibilities</b></p> <p>The contractor shall provide a person or persons who shall be available immediately upon commencement of the contract, who responsibility will be:</p> <p>a) To familiarise himself with all drawings produced by the professional team, this will involve a clear understanding of services and element co-ordination performed by the architect, in order that sub-contractors can properly briefed.</p> <p>b) To provide the professional team with comprehensive lists of shop drawings to be prepared by the relevant sub-contractors.</p> <p>c) To check all shop drawings for sufficiency prior to</p>			
	<b>Carried Forward</b>		R	
	<p>Section No. 1 Preliminaries Bill No. 1 Preliminaries</p>			

<p style="text-align: center;"><b>Brought Forward</b></p> <p>submission to the relevant consultant in the professional team. It is expected that such checking will include all co-ordination and pro-active resolution of any conflicting services and elements.</p> <p>It is also noted that resolution of co-ordination problems will require attendance at services and element co-ordination meetings, called by the principal agent as and when necessary.</p> <p><b>Procedures</b></p> <p>The contractor shall, at his own expense, prepare and submit one reproducible print of shop drawings of all fabricated work, working or setting out drawings, shop details and schedules to the principal agent for approval by the relevant consultants/s and/or the employer as is appropriate and such work shall not be performed by the contractor until such approval has been given. The contractor shall cognisance of and adhere to the Project document numbering system, if any in use on this contract.</p> <p>The contractor shall present a complete schedule showing the sequence of submission of shop drawing, including submission dates, for all trades and the schedule dates for approval of all drawings. This schedule shall take into account that the relevant consultant/s and the employer reserve a two week check period from date of the receipt of all shop drawings and/or catalogue data.</p> <p>All submission shall be on dates as indicated in the above schedule and sufficiently in advance to permit the contractor to meet fabrication deadlines, no claim for extensions to the contract time will be granted to the contractor by reason of his failure in this respect.</p> <p>The contractor shall submit four copies of catalogue and data approval. The contractor shall check submission for conformity with the contract drawings and specifications and correct any errors, omissions or deviations before their transmission to the principal agent.</p> <p>All submissions shall bear the contractors dated stamp of approval as evidence that they have been so checked and corrected by the contractor. Any drawings, schedule or catalogue submitted without this stamp will not be considered by the principal agent and will be returned.</p> <p>When the principal agent advises the contractor that shop drawings have been approved, he shall</p>		R	
<p style="text-align: center;"><b>Carried Forward</b></p> <p>Section No. 1 Preliminaries Bill No. 1 Preliminaries</p>		R	

<b>Brought Forward</b>	R
<p>immediately submit to the principal agent the original transparencies of such drawings so that the principal agents stamp of approval may be appended thereto. Thereafter the contractor shall furnish to the principal agent four prints of approved shop drawings, setting out drawing and schedule. The contractor shall also furnish to the works as many prints of the approved shop drawings and/or catalogues as may be required. No works shall be performed from any shop drawings and/or catalogues not stamped with the principal agents approval.</p> <p>The contractor shall be responsible for ensuring that all dimensions confirm to the dimension of built work.</p> <p>The principal agents approval of any document or drawings shall not in any way vary his contractual or delicti obligations and liabilities to the employer or any other party, nor does it vary the contractual or delicti obligations and liabilities of the party submitting such document or drawing for approval.</p> <p>If the submission differ from the requirements of the contract, the contractor shall make specific mention of each difference in his letter of transmission with a request for substitution, together with his reason for same, in that order, if acceptable, suitable action may be taken by the principal agent. Otherwise the contractor will not be relieved of responsibility for executing the work in accordance with the requirements of the contract.</p> <p>Corrections of shop drawings by the principal agent shall not change the scope of work. Should any such correction be considered to constitute a change of scope of work, the contractor shall notify the principal agent in writing within not more than seven calender days of such change and shall not proceed with the fabrication until so authorized by the principal agent. Claims for change of scope made after performance of the work constituting the claimed change of scope will not be considered.</p> <p>Unless otherwise agreed the principal agent, shop drawings shall be prepared to show all details of installation, including reticulation, fixing etc. of components and assemblies, or if the contractor desires to deviate from the design and these drawings shall be all to accordance with the above procedures and at the contractors expense.</p> <p>F:..... V:.....</p>	
<b>Carried Forward</b>	R
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<b>Brought Forward</b>			R
	T:.....	Item	
1/1/70	Clause 5.4 - Compliance with manufacturer's instructions		
	F:..... V:..... T:.....	Item	
<b><u>Temporary works and plant</u></b>			
1/1/71	Clause 6.1 - Deposits and fees		
	F:..... V:..... T:.....	Item	
1/1/72	Clause 6.2 - Enclosure of the works		
	F:..... V:..... T:.....	Item	
1/1/73	Clause 6.3 - Advertising		
	F:..... V:..... T:.....	Item	
1/1/74	Clause 6.4 - Plant, equipment, sheds and offices		
	F:..... V:..... T:.....	Item	
1/1/75	Clause 6.5 - Main notice board		
	F:..... V:..... T:.....	Item	
1/1/76	Clause 6.6 - Subcontractors' notice board		
	F:..... V:..... T:.....	Item	
<b><u>Temporary services</u></b>			
1/1/77	Clause 7.1 - Location		
	F:..... V: ..... T:.....	Item	
1/1/78	Clause 7.2 - Water		
	F:..... V: ..... T:.....	Item	
<b>Carried Forward</b>			R
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	<b>Brought Forward</b>		<b>R</b>	
1/1/79	Clause 7.3 - Electricity F:..... V: ..... T:.....	Item		
1/1/80	Clause 7.4 - Telecommunication facilities F:..... V:..... T:.....	Item		
1/1/81	Clause 7.5 - Ablution facilities F:..... V:..... T:.....	Item		
	<b><u>Prime cost amounts</u></b>			
1/1/82	Clause 8.1 - Responsibility for prime cost amounts F:..... V:..... T:.....	Item		
	<b><u>Special attendance on n/s subcontractors</u></b>			
1/1/83	Clause 9.1 - General attendance F:..... V:..... T:.....	Item		
1/1/84	Clause 9.2 - Special attendance F:..... V:..... T:.....	Item		
1/1/85	Clause 9.3 - Commissioning - fuel, water and electricity F:..... V:..... T:.....	Item		
	<b><u>Financial aspects</u></b>			
1/1/86	Clause 10.1 - Statutory taxes, duties and levies  Provision is made in the summary of these bills of quantities for the inclusion of Value Added Tax (VAT) F:..... V: ..... T:.....	Item		
1/1/87	Clause 10.2 - Payment of preliminaries F:..... V: ..... T:.....	Item		
	<b>Carried Forward</b>		<b>R</b>	
	Section No. 1 Preliminaries Bill No. 1 Preliminaries			

	<b>Brought Forward</b>		R	
1/1/88	<p>Clause 10.3 - Adjustment of preliminaries</p> <p>F:..... V: ..... T:.....</p>	Item		
1/1/89	<p>Clause 10.4 - Payment certificate cash flow</p> <p>F:..... V:..... T:.....</p>	Item		
	<b><u>General</u></b>			
1/1/90	<p>Clause 11.1 - Protection of the works</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item		
1/1/91	<p>Clause 11.2 - Protection/isolation of existing/sectionally occupied works</p> <p>The contractor is to allow for all external scaffolding to be protected on outer face with 80% shade cloth whilst is use or erected.</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item		
1/1/92	<p>Clause 11.3 - Security of the works</p> <p>Clause 11.3 is hereby amended by the addition of the following:</p> <p>The contractor shall provide and maintain twenty four hour security and loss control system all to the satisfaction of the principal agent. It is envisaged that these procedures will incorporate, inter alia, gate control for personnel and vehicles, individuals entry permits, regular security patrols and the like.</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item		
1/1/93	<p>Clause 11.4 - Notice before covering work</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item		
1/1/94	<p>Clause 11.5 - Disturbance</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item		
	<b>Carried Forward</b>		R	
	<p>Section No. 1</p> <p>Preliminaries</p> <p>Bill No. 1</p> <p>Preliminaries</p>			

<b>Brought Forward</b>			R
1/1/95	<p>Clause 11.6 - Environmental disturbance</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/96	<p>Clause 11.7 - Works cleaning and clearing</p> <p>Clause 9.7 is hereby amended by the addition of the following:</p> <p>The contractor is to employ a specialized deep cleaning company to undertake all deep cleaning of all elements of the structure to the satisfaction of the principal agent.</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/97	<p>Clause 11.8 - Vermin</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/98	<p>Clause 11.9 - Overhand work</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/99	<p>Clause 11.10 - Instruction manuals and guarantees</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/100	<p>Clause 11.11 - As built information</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/101	<p>Clause 11.12 - Tenant installations</p> <p>F:..... V:..... T:.....</p> <p><b><u>Schedule of variables</u></b></p> <p>Information necessary for elections and completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that no specific requirements are expected or that the clause is not relevant to this specific contract</p>	Item	
<b>Carried Forward</b>			R
<p>Section No. 1 Preliminaries Bill No. 1 Preliminaries</p>			

<b>Brought Forward</b>	R	
<p>12.1 - Pre-tender information</p> <p>Information necessary for elections and completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that either specific requirements are not required or that the clause is not relevant to this specific contract</p> <p>12.1.1 - Provisional bills of quantities [clause 2.2]</p> <p>The quantities are provisional</p> <p style="text-align: right;"><b>Yes</b></p> <p>12.1.2 - Availability of construction documentation [clause 2.3]</p> <p>Construction documentation is complete</p> <p style="text-align: right;"><b>Yes</b></p> <p>12.1.3 - Interests of agents [clause 2.4]</p> <p style="text-align: right;"><b>NONE</b></p> <p>12.1.4 - Defined works area [clause 3.1]</p> <p style="text-align: right;"><b>YES</b></p> <p>The work area will be pointed out by the principal agent to the contractor who will sign written acknowledgement therefore before commencing operations</p> <p>12.1.5 - Geotechnical investigation [clause 3.2] -</p> <p style="text-align: right;"><b>NO</b></p> <p>A Geotechnical Investigation Report is included in this document</p> <p>12.1.6 - Existing premises occupied [clause 3.4] -</p> <p style="text-align: right;"><b>YES</b></p> <p>The school will be in full operation during the work and disruption, dust and noise are to be kept to a minimum. Works areas to be clearly demarcated and fenced off</p>		
<b>Carried Forward</b>	R	
<p>Section No. 1 Preliminaries Bill No. 1 Preliminaries</p>		

<b>Brought Forward</b>	R
<p>12.1.7 - Previous work - dimensional accuracy [clause 3.5]</p> <p>The contractor shall, within reasonable period after taking possession of the site, but not exceeding ten (10) percent of the construction period or twenty (20) working days whichever is the lesser, check existing levels, lines, profiles and the like affecting the works and satisfy himself as to the dimensional accuracy of work previously executed. The contractor shall forthwith notify the principal agent and request a contract instruction regarding any dimensional inaccuracy found in work previously executed</p> <p>12.1.8 - Previous work - defects [clause 3.6]</p> <p>The contractor on becoming aware of a defect in work previously executed shall forthwith notify the principal agent requesting a contract instruction regarding such defect</p> <p>12.1.9 - Services - known [clause 3.7]</p> <p>Existing services and points of connection are shown on the site plan or will be pointed out on the site by the principal agent</p> <p>12.1.10 - Protection of trees [clause 3.9]</p> <p>Only those trees and shrubs indicated as such on the drawings shall be removed or cut back. The remainder of the trees and shrubs shall be left undamaged</p> <p>12.1.11 - Inspection of adjoining properties [clause 3.11]</p> <p>The contractor shall make his own arrangements with the owners of adjoining properties in order to execute the works</p> <p>12.1.12 - Enclosure of the works [clause 6.2]</p> <p>The contractor shall erect, maintain and remove on completion, hoardings with gantries, fans, safety screens, barriers, access gates, covered gangways and the like as necessary for the enclosure of the works and elements thereof all for the protection of the public and others</p>	
<b>Carried Forward</b>	R
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<b>Brought Forward</b>	<b>R</b>
<p>12.1.13 - Offices [clause 6.4.3]</p> <p>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, suitable 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 [clause 6.5]</p> <p>The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3m as type Drawing GEN 063, 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 deep blue. All wording shall be inscribed in deep blue painted Helvetica medium lettering. As alternative the notice board as approved by the professional bodies will be allowed. No sub-contractor's individual boards will be allowed on the site</p> <p>12.1.15 - Subcontractors' notice board [clause 6.6]</p> <p>A notice board is required -</p> <p style="text-align: right;"><b>NO</b></p> <p>12.1.16 - Water [clause 7.2]</p> <p>Option A (by contractor) <b>NO</b>  Option B (by employer - free of charge) <b>NO</b>  Option C (by employer - metered) <b>YES</b></p> <p>12.1.17 - Electricity [clause 7.3]</p> <p>Option A (by contractor) <b>NO</b>  Option B (by employer - free of charge) <b>NO</b>  Option C (by employer - metered) <b>YES</b></p>	
<b>Carried Forward</b>	<b>R</b>
<p>Section No. 1  Preliminaries  Bill No. 1  Preliminaries</p>	

<p style="text-align: center;"><b>Brought Forward</b></p> <p>12.1.18 - Telecommunications [clause 7.4]</p> <p>Telephone <b>YES</b>  Facsimile <b>NO</b>  Option C (by employer - metered) <b>NO</b></p> <p>12.1.19 - Ablution facilities [clause 7.5]</p> <p>Option A (by contractor) <b>YES</b>  Option B (by employer - free of charge) <b>NO</b></p> <p>12.1.20 - Protection/isolation of existing/sectionally occupied works [clause 11.2]</p> <p>The contractor shall provide all reasonable temporary measures to protect/isolate the existing and/or section of the occupied works and remove such measures on completion</p> <p>12.1.21 - Special attendance [clause 9.2] -</p> <p style="text-align: right;"><b>NO</b></p> <p>12.1.22 - Protection of the works [clause 11.1] -</p> <p style="text-align: right;"><b>YES</b></p> <p>12.1.23 - Disturbance [clause 11.5]</p> <p>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</p> <p>The contractor shall execute the works with a minimum of disturbance to adjoining premises, any parts of the works already handed over and the occupants of those premises and/or parts</p> <p>12.1.24 - Environmental disturbance [clause 11.6] -</p> <p style="text-align: right;"><b>NO</b></p> <p>12.2 - Post-tender information</p> <p>The required post-tender information shall be inserted in the preliminaries after consultation with the contractor</p> <p style="text-align: center;"><b>Carried Forward</b></p> <p>Section No. 1  Preliminaries  Bill No. 1  Preliminaries</p>		<p style="text-align: center;">R</p>	
		R	



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R

**SECTION C - SPECIFIC PRELIMINARIES**

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

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

1/1/102

**Contract Drawings**

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

F:..... V:.....  
T:.....

Item

1/1/103

**Trade Names**

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

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

F:..... V:.....  
T:.....

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R

1/1/104    **Proprietary Branded Products**

The contractor shall take delivery of, handle, store, use apply and/or fix all proprietary branded products in strict accordance with the manufacturers' instruction after consultation with the manufacturer's authorised representative

F:..... V:.....  
T:.....

Item

1/1/105    **Confidentiality**

The contractor undertakes to maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings from all subcontractors and suppliers. Such information shall not be used in any way except in connection with the execution of the works. No information regarding this project shall be published or disclosed without the prior written consent of the employer

Item

1/1/106    **Overtime**

Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the contractor unless the principal agent has specifically authorised in writing, prior to the execution thereof, that costs for such overtime are to be borne by the employer.

F:..... V:.....  
T:.....

Item

1/1/107    **As Built Drawings**

The position of construction breaks and the extent of individual concrete pours are to be recorded by the contractor on the structural engineers drawings and are to be submitted to the principal agent and the structural engineer for their records.

F:..... V:.....  
T:.....

Item

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1/1/108

**Warranties for material and workmanship**

Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty, addressed to the employer, from the firm supplying the materials and/or doing the work and shall deliver same to the principal agent on the certified completion of the contract. The warranty shall state that workmanship, materials and installation are warranted for a specified period from the date of final completion and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice to do so. The warranty will not be enforced if the work is damaged by defects in the construction of the building in which case the responsibility for replacement shall rest entirely with the contractor.

F:..... V:.....  
T:.....

Item

1/1/109

**Site instructions**

Instructions issued on site are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor.

F:..... V:.....  
T:.....

Item

1/1/110

**Non Cession of Monies**

The contractor shall not cede nor assign his rights or claims to any monies or to becomes due under this contract.

F:..... V:.....  
T:.....

Item

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1/1/111

**Imported Materials & Equipment**

Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule for Imported Materials and Equipment WCTD-23 to be completed by tenderer)

Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable)

Item

1/1/112

**Testing of flat roof waterproofing for water-tightness**

Flat roof waterproof areas shall be prepared with small sand dykes around them of a size and enclosing an area approved by the principal agent, flooded with water and kept "ponded" for at least 36 hours as a test to ensure the water-tightness of the waterproofing and before any further construction work is carried out above the waterproofing.

F:..... V:.....  
T:.....

Item

1/1/113

**Testing of windows for water tightness**

Each window shall be tested for water tightness with water sprayed on using adequate pressure. If in the opinion of the principal agent, the pressure proves to be inadequate, then the pressure shall be boosted by means of compressed air or other approved means.

F:..... V:.....  
T:.....

Item

## Carried Forward

R

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1/1/114 **Authorisation of Taking of Photographs**

The contractor shall obtain prior authorisation from the employer for the making of any sketches or the taking of any photographs of any site, installation, building or civil works belonging to the employer and shall ensure that all personnel, subcontractors and other persons entering the site shall comply with this requirement as well

F:..... V:.....  
T:.....

Item

1/1/115 **HIV/AIDS Awareness**

It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document. Provision for pricing of HIV/AIDS awareness is made under the two items below hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained

The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of Clause A 31 of "Section 1: Preliminaries (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

F:..... V:.....  
T:.....

Item

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R

1/1/116

**Awareness Champion**

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

F:..... V:.....

T:.....

Item

1/1/117

**Awareness Workshop**

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

F:..... V:.....

T:.....

Item

1/1/118

**Posters, Videos, Booklets, Etc.**

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

F:..... V:.....

T:.....

Item

1/1/119

**Access to Condoms**

Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period, all in accordance with the HIV/AIDS Specification

F:..... V:.....

T:.....

Item

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**1/1/120 Co-Operation of Contractor for Cost Management**

It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the final building cost does not exceed the budget. The principal agent undertakes to make available to the contractor all budgetary allowances and costs assessments/reports to enable the proper procedure to be implemented and the contractor shall attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures, as necessary, to all subcontractors.

F:..... V:.....

T:.....

Item

**1/1/121 Labour Record**

At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and description of tradesman and labourers employed by him and all subcontractors on the works each day.

F:..... V:.....

T:.....

Item

**1/1/122 Monitoring**

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

F:..... V:.....

T:.....

Item

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R

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1/1/123

**Reporting By Contractor**

The contractor is required to complete the attached Contractor's Monthly Report which is to be submitted together with the contractors payment claim. Payment of the contractor is conditional on this information being accurate and timeously provided

F:..... V:.....  
T:.....

Item

1/1/124

**Plant Record**

At the end of each week the contractor shall provide the principal agent with the written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools, currently used on the works.

F:..... V:.....  
T:.....

Item

1/1/125

**Local Labour and Local Suppliers**

Allow for monthly submission of proof of employment of local skilled and unskilled labour to the principal agent.

It is a general requirement of this contract that persons normally resident in the locality of the works (local labour) be given preference for employment on the contract. Should adequate and appropriate labour not be available within the locality, other labour may be subject to satisfactory proof being provided that every reasonable endeavour has been made to employ local labour. The contractor shall identify the local community leaders with the purpose of negotiating with them regarding the utilisation of local labour in the construction process. The contractor shall furthermore give preference, wherever possible to the employment of single heads of households, women and youth. The contractor shall, in general, maximise the involvement of the local community

The use of such materials shall not constitute grounds for any claim for increased cost in respect thereof

F:..... V:.....  
T:.....

Item

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R

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R

1/1/126

**Disposal Site-Solid Waste/Environmentally Sensitive Materials**

All disposal of solid waste shall be deposited at an approved disposal site to be located by the contractor. All handling of environmentally sensitive materials such as asbestos, etc., is to be carried out by a registered waste disposal specialist and all laws and by-laws are to be appropriate state body will be required and is to be to the principal agent's approval. Written confirmation of appropriate disposal is to be issued to the principal agent

F:..... V:.....

T:.....

Item

1/1/127

**Waiver of Lien**

The tenderers are notified that he/she shall sign "Waiver of Lien" together with the JBCC Principal Building Agreement Edition 4.1 Code 2101 March 2005

F:..... V:.....

T:.....

Item

1/1/128

**Occupational Health & Safety**

The contractor shall comply with all the requirements set out in the Health and Safety Specification for Construction Work as contained within these tender documents and the Construction Regulation 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.

The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of

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whatsoever nature, including interest, due to such delay of payment.

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

In addition but not limited to the contractor shall:

- Comply with the health and safety specification for the works
- Prepare and agree with the health and safety consultant the health and safety plan for the works
- Co-operate with the health and safety consultant in all respects
- Manage the compliance of all subcontractors with the regulations and with the health and safety plan and specification
- Conform to the conditions contained in the employer's health and safety specification

F:..... V:.....  
T:.....

Item

1/1/129 Profit

Item

1/1/130 Attendance

Item

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Preliminaries

	<b>Brought Forward</b>		R	
1/1/131	<p><b>Occupational Health &amp; Safety Code of Practice: Managing exposure to SARS-Cov-02 in the workplace.</b></p> <p>The contractor shall comply with all the requirements set out in the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) in particular Hazardous Biological Agents Regulations governing workplaces in relation to Coronavirus Disease 2019 cause by SARS-CoV-2 and the Code of Practice: Managing exposure to SARS-Cov-02 in the workplace.</p> <p>It is required of the contractor to thoroughly study the Code of Practice: Managing exposure to SARS-Cov-02 in the workplace Occupational Health and Safety Act, 1993 (Act No 85 of 1993) in particular Hazardous Biological Agents Regulations governing workplaces in relation to Code of Practice: Managing exposure to SARS-Cov-02 in the workplace that must be read together with and is deemed to be incorporated under this Section of the bills of quantities.</p> <p>The contractor must take note that compliance with the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) in particular Hazardous Biological Agents Regulations governing workplaces in relation to Corona Virus Disease 2019 cause by SARS-CoV-2 and the Code of Practice: Managing exposure to SARS-Cov-02 in the workplace is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.</p> <p>Provision of pricing for compliance of the Occupational Health and Safety Act, 85 of 1993 Edition 23, Hazardous Biological Agents Regulation and Code of Practice: Managing exposure to SARS-Cov-02 in the workplace requirement</p> <p>F:..... V:..... T:.....</p>			
1/1/132	Profit	Item		
1/1/133	Attendance	Item		
	<b>Carried Forward</b>		R	
	<p>Section No. 1 Preliminaries Bill No. 1 Preliminaries</p>			

**Brought Forward**

R

1/1/134

**Guarantees and Maintenance Manuals**

The contractor shall obtain and hand over to the principal agent on practical completion, all relevant guarantees, any operating and maintenance instruction manuals, data or instructions required by the principal agent or provided by manufacturers, suppliers or sub-contractors.

The contractor shall ensure that all warranties and guarantees received are fully ceded to the Employer on final completion, failing which the release of the Construction Guarantee or Retention amount will be withheld until this is satisfactorily compiled with.

Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty, addressed to the employer, from the firm supplying the materials and/or doing the work and shall deliver same to the principal agent on the certified completion of the contract. The warranty shall state that the workmanship, materials and installation are warranted for a specified period shall from date of final completion and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice to do so. The warranty will not be enforced if the work is damaged by defects in construction of the building in which case the responsibility of replacement shall rest entirely with the contractor.

F:..... V:.....  
T:.....

Item

1/1/135

**Costs of Tender / Quotations / Claims, etc.**

Any costs incurred for the preparation of tenders or quotations, claims, etc. to the satisfaction of principal agent shall be borne by the contractor.

F:..... V:.....  
T:.....

Item

**Carried Forward**

R

Section No. 1  
Preliminaries  
Bill No. 1  
Preliminaries

## Brought Forward

R

1/1/136

**Overloading**

The Tenderer shall prior to submitting their tender determine from the structural engineer any constraints and limitations in respect of works to be executed over slabs, etc. which have load limitations.

The contractor shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of the works. The contractor shall submit details of his proposed loading, storage, plant erection etc. to the principal agent for their approval prior to proceeding with such loading, storing, erecting or executing work and shall comply with and pay for the engineers requirements in connection with the provision of temporary support work etc. Any damage caused by the works by overloading shall be made good by the contractor at his sole expense.

Notwithstanding any approval given by the principal agent, the contractor shall entirely be responsible for damage to the works caused by overloading which damage shall be made good by the contractor at his sole expense.

F:..... V:.....

T:.....

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Item

1/1/137

**Removal and Making Good of Temporary Works, etc. on Completion**

The contractor shall remove all temporary works, roads, services and the like used for this contract and shall make good to the entire satisfaction of the principal agent any damage resulting there from.

F:..... V:.....

T:.....

Item

## Carried Forward

R

Section No. 1  
Preliminaries  
Bill No. 1  
Preliminaries

**Brought Forward**

R

1/1/138

**Location of Temporary Building and Temporary Services**

The Contractor shall provide all necessary temporary works, including temporary roads, tracks, crossings, Hard standing and services, etc. required for his own and subcontractor use during the construction and maintenance period.

There is no guarantee given that or implied site conditions will be such that the contractor will be able to erect such temporary works, offices, stores and temporary accommodation within the site boundaries and it shall be the contractors responsibility to adopt whatever measures he deems necessary in this regard and obtain all necessary permission and pay all costs in connection therewith.

F:..... V:.....

T:.....

Item

1/1/139

**Standard Workmanship and Materials**

In the absence of detailed specifications for any item or items, the National Building Regulations, the latest applicable South African National Standards Specification, or where such does not exist, then the latest applicable British Standard Specification shall apply.

F:..... V:.....

T:.....

Item

1/1/140

**Commodities To Be New**

All commodities, goods, articles or materials to be used in the Works are to be new except where re-use of existing is specified and are to be handled, stored used and/or fixed with care to ensure that they are in perfect condition when incorporated in the works and thereafter properly protected so as to ensure that they are likewise in perfect condition when handed over at completion of the works.

F:..... V:.....

T:.....

Item

**Carried Forward**

R

Section No. 1  
Preliminaries  
Bill No. 1  
Preliminaries

**Brought Forward**

R

1/1/141

**Mode of Procedures**

Notwithstanding anything to the contrary herein, the principal agent shall at all times reserves the right to direct the order in which the various parts of the contract are to be executed. The contractor shall give priority to any individual section or portion of the works that, in the opinion of the principal agent, requires to be expedited.

Should it appear, in the principal agent's opinion, that work in any area is not being executed in accordance with the requirements of the contract programme, the contractor shall provide additional manpower and resources and shall work additional overtime and do everything else required to bring the work back to programme to the satisfaction of the principal agent and to the contractors cost.

F:..... V:.....

T:.....

Item

1/1/142

**Unauthorised Persons/Workmen on Premises**

The contractor shall at all times strictly exclude all unauthorised persons from the Works and the site and shall set up notice boards to that effect.

No workmen or labourers (except security guards) are allowed under any circumstances to sleep or deposit any kit on the premises. The contractor must provide any necessary independent shelter or shed required for any labour or watchmen on site to the approval of the principal agent.

F:..... V:.....

T:.....

Item

**Carried Forward**

R

Section No. 1  
Preliminaries  
Bill No. 1  
Preliminaries

## Brought Forward

R

1/1/143

**Method Statement**

The tenderer shall produce, where required to do so by the principal agent, a Method Statement outlining the methods of construction and labour and plant resources that he proposes to use in the execution of the works. Any approval given or observation made by the principal agent shall not relieve the contractor of his sole responsibility to adopt the methods of construction and to provide the labour and plant resources necessary for the due proper and timeous execution of the works.

F:..... V:.....

T:.....

Item

1/1/144

**Encroachment**

During the course of the Building operations, the contractor shall be held entirely responsible for any encroachment onto any adjoining properties, buildings, etc. or servitudes and the cost of any remedial measures as required by the principal agent shall be borne by the contractor.

F:..... V:.....

T:.....

Item

## Carried Forward

R

Section No. 1  
Preliminaries  
Bill No. 1  
Preliminaries



**Brought Forward**

R

1/1/145

**Site Security Measures**

The following security measures are to be complied with and enforced by the Contractor:

No unauthorized persons/workmen are to be allowed on site and notice boards in English and isiZulu shall be displayed at the site entrance to this effect.

All personnel that are utilized on the project by the contractor and its sub-contractors, are at all times whilst on site, be clothed with clothing that clearly identifies each staff member together with an identification document which includes, but not limited to the following:

1. A photograph of the personnel concerned;
2. The Identification numbers of the personnel concerned; and,
3. The Name of company concerned.

In addition, to that stated above, the contractor shall adhere to the premises security rules and regulations.

No personnel will be permitted to work on the project until this condition is adhered to.

F:..... V:.....  
T:.....

Item

1/1/146

**Sample Room**

Sample room size approximately 6 x 3m. The samples are to be maintained and remain available for inspection until the final date of completion, after which it is to be stripped out and removed from site unless otherwise instructed. No samples may be installed in the new buildings as part of the new works unless otherwise instructed. The sample room is to be kept clean and secure at all times and to be made available for inspection to duly authorised persons only.

F:..... V:.....  
T:.....

Item

**Carried Forward**

R

Section No. 1  
Preliminaries  
Bill No. 1  
Preliminaries

## Brought Forward

R|

1/1/147

### Sub-contracting

F:..... V:.....

T:.....

Item	Value
1	10
2	20
3	30
4	40
5	50
6	60
7	70
8	80
9	90
10	100

## SUMMARY OF CATEGORIES

Category : Fixed .....

Category : Value .....

Category : Time .....

**Carried to Final Summary**

R

Section No. 1  
Preliminaries  
Bill No. 1  
Preliminaries

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>			
	<b><u>BILL NO. 1</u></b>			
	<b><u>ALTERATIONS</u></b>			
	<b><u>PREAMBLES</u></b>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>View site</u>			
	Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained			
	<u>General</u>			
	The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent			
	Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent			
	Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc			
	<b>Carried Forward</b>		R	
	Section No. 2 Removal of Asbestos Roof Bill No. 1 Alterations			

<b>Brought Forward</b>	R
<p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>Asbestos work may only be performed subject to prior of the Provincial Director, Occupational Health and Safety, department of Labour in writing</p> <p>Proof of such notification must be applied to the Client prior to work proceeding. All employees must be informed and receive training on aspects such as the contents and scope of the Asbestos Regulations as published in Government Gazette 23108 dated 10 February 2002, the potential risks of exposure to asbestos, precautionary measures employees have to take and all other requirements deemed necessary to provide a safe and healthy environment for all employees as specified by the Asbestos Regulations as indicated above.</p> <p>Disposal shall be done under strict accordance of the act.</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p><b><u>REMOVAL OF EXISTING ROOF COVERINGS</u></b></p> <p><b><u>Temporary roof protection, etc. including removal:</u></b></p> <p>Contractors will be held responsible for all damage, however caused, to ceilings, finishes, etc. inside rooms where the existing roof coverings have been removed and he must make good all damage at his own expense to the approval of the employer</p>	
<b>Carried Forward</b>	R
<p>Section No. 2 Removal of Asbestos Roof Bill No. 1 Alterations</p>	

**Khathi High School**  
**Asbestos Eradication and Associated Roofing Works**

	<b>Brought Forward</b>			R
2/1/1	Cover and maintain existing roofs in a perfectly watertight condition during alterations by means of heavy tarpaulins properly secured and maintained in position to the approval of the Employer and make good all work damaged or distributed after completion	m2	1 071	
	<b><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u></b>			
2/1/2	Carefully take out asbestos roof covering including sislation, timber purlins (By specialist approved Sub-Contractor)	m2	1 339	
2/1/3	Carefully take down and removed damaged roof trusses	No	227	
2/1/4	Gypsum plasterboard ceilings including cornices, timber brandering, etc.	m2	402	
2/1/5	Timber ceilings including cornices, timber brandering, etc.	m2	69	
	<b><u>Taking down and remove sundry items</u></b>			
2/1/6	Fascia boards	m	340	
2/1/7	Barge boards	m	133	
	<b><u>REMOVAL OF EXISTING WORK</u></b>			
	<b><u>Carefully take out and remove gutters and downpipes etc.</u></b>			
2/1/8	uPVC gutter	m	340	
2/1/9	uPVC downpipes including outlet, bends & shoe	m	98	
	<b>Carried Forward to Summary of Section No. 2</b>			R
	Section No. 2			
	Removal of Asbestos Roof			
	Bill No. 1			
	Alterations			

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 2</u></b></p> <p><b><u>MASONRY</u></b></p> <p><b><u>PREAMBLES</u></b></p> <p>The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>SAMPLES</u></b></p> <p>Samples of masonry building units to be provided before construction commences</p> <p><b><u>SIZES IN DESCRIPTIONS</u></b></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><b><u>FACE BRICKS</u></b></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour.</p> <p>All facebrick work is to be protected from other finishing trades during the construction period.</p> <p>All interior face brickwork is to receive two coats water based silicone sealant at completion including preparatory work as per manufacturer's instructions.</p> <p><b><u>POINTING</u></b></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing etc.</p> <p><b><u>SUPERSTRUCTURE</u></b></p>			
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 2 Removal of Asbestos Roof Bill No. 2 Masonry</p>		R	

	Brought Forward			R
	<b><u>Brickwork of NFX bricks in class II mortar</u></b>			
2/2/1	Half brick wall in beamfilling	m2	88	
2/2/2	One brick walls	m2	53	
	<b><u>BRICKWORK SUNDRIES</u></b>			
	<b><u>2.5mm Galvanised brickwork reinforcement</u></b>			
2/2/3	155mm Wide reinforcement built in horizontally	m	212	
2/2/4		No	400	
<b>Carried Forward to Summary of Section No. 2</b>				R
Section No. 2 Removal of Asbestos Roof Bill No. 2 Masonry				

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 3</u></b>			
	<b><u>ROOF COVERINGS, ETC.</u></b>			
	<b><u>PREAMBLES</u></b>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>SHEETING</u></b>			
	The roof sheeting shall be double-interlocking concealed-fix Kliplok profile roll-formed in continuous lengths and cut to length by a pneumatic cut-off process from certified ZincAL® 0.6mm steel. A certificate verifying compliance shall be issued by the manufacturer, Global Roofing Solutions. The profile shall be roll-formed with four ribs at centres not exceeding 233mm and a cover width not exceeding 700mm. These will include a male and female rib with capillary action breaks. The male rib shall incorporate spurs spaced no more than 200mm apart to ensure minimum clipping areas on the side lap, and stand proud of the rib for purposes of double interlocking action with adjacent sheets. When interlocked, the minimum sheet depth shall be 41mm. Each trough shall incorporate two stiffener ribs.			
	<b><u>MATERIAL AND FINISH FOR KLIP-TITE ROOF SHEETING</u></b>			
	ZincAL® AZ200 coated steel G550 with a Chromadek® colour coated finish to one side, being Egg White with a backing coat.			
	<b><u>FIXING KLIP-TITE</u></b>			
	The Klip-Tite sheets shall be fixed to every purlin by means of patented KL700 clips having spurs which will securely hold the sheets in position and lock-in the sidelap and both centre ribs. The KL700 clips shall be			
	<b>Carried Forward</b>		R	
	Section No. 2 Removal of Asbestos Roof Bill No. 3 Roof Covering			



<p style="text-align: center;"><b>Brought Forward</b></p> <p>manufactured from Galvanized steel and shall be fixed with the appropriate self-drilling/tapping screws to timber or steel purlins (selection from installation manual) <b>OR</b> with ZAP no. 10x45mm Waferhead screws type 17 to timber purlins.</p> <p><b><u>KLIP-TITE FLASHINGS</u></b></p> <p>Flashings specifications shall be to the Global Roofing Solutions standards and fixed to the sheeting with S10 brackets or, Sliding brackets at apex where roof sheets are 30m or longer, to obviate any direct fixing perforations. Prior to flashings being fixed, all troughs at the apex shall be stop-ended to the full depth of the sheet in order to prevent any penetration of wind driven water. The trough shall be lipped at the eaves end to form a drip. Transverse flashing flanges shall be notched to the sheet profile where necessary. All these operations must be performed with special tools available from Global Roofing Solutions.</p> <p><b><u>SAFETY</u></b></p> <p>The contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity.</p> <p><b><u>INSTALLATION</u></b></p> <p>Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheeting which has become deformed or damaged in any way, should be replaced. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surfaces in order to prevent steel particles from penetrating coated surfaces.</p> <p><b><u>HANDLING AND STORAGE</u></b></p> <p>The contractor shall ensure that all materials used on site for roofing/cladding, be transported, handled and stored in accordance with the manufacturer's</p> <p style="text-align: center;"><b>Carried Forward</b></p> <p>Section No. 2 Removal of Asbestos Roof Bill No. 3 Roof Covering</p>	<p style="text-align: center;">R</p> <p style="text-align: center;">R</p>
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**Brought Forward**

R

recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction.

**INSPECTION PRIOR TO INSTALLATION**

Before commencing installation, the contractor shall verify that the following items have been checked and accepted:

- a. The entire structure or the portion thereof to be sheeted has been correctly aligned, leveled and grouted.
- b. Purlins and girts are at the correct spacing and are within the specified tolerances.
- c. The corners of the roof are square and the wall framework is perpendicular or as specified.
- d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework.
- e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square.
- f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or, so dealt with that direct contact with the sheeting is avoided.
- g. The contact faces between the purlins or the girts and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding.

**PROTRUSION THROUGH SHEETED SURFACES**

Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed

**Carried Forward**

R

Section No. 2  
Removal of Asbestos Roof  
Bill No. 3  
Roof Covering

	<b>Brought Forward</b>			R
	as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugations.			
	<b><u>GUARANTEE</u></b>			
	The manufacturer shall comply with ISO 9001:2008 Quality Management System. Klip-Tite™ sheeting shall be laid in strict accordance with the manufacturer's specifications by a GRS approved contractor. A written and approved five year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer Global Roofing Solutions.			
	<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>			
	<b><u>"Kliplok" or other approved double interlocking concealed fix, 0.6mm galvanised sheet steel and accessories, fixed to timber purlins</u></b>			
2/3/1	Roof covering with pitches not exceeding 25 degrees	m2	1 339	
	<b><u>Sundries</u></b>			
2/3/2	Ridge Capping	m	170	
2/3/3	Side wall flashings 550mm girth	m	21	
2/3/4	Head wall flashings 550mm girth	m	16	
	<b><u>Sundries</u></b>			
	<b><u>ROOF AND WALL INSULATION</u></b>			
	<b><u>"Alucushion" or other approved 4mm thick foil/white, fixed to underside of roof sheeting and timber purlins (Roof sheeting and timber purlins elsewhere measured). All in accordance with the Manufacturer's recommendations</u></b>			
2/3/5	Insulation foil	m2	1 339	
	<b>Carried Forward to Summary of Section No. 2</b>			R
	Section No. 2 Removal of Asbestos Roof Bill No. 3 Roof Covering			

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 4</u></b>			
	<b><u>CEILINGS</u></b>			
	<b><u>PREAMBLES</u></b>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	Openings in ceilings for light fittings etc. are to include for additional suspension as required			
	<b><u>Fixings</u></b>			
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pinned to blockwork 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>Ceilings</u></b>			
	All ceilings to comply with SANS 1833: 1977			
	Unless otherwise decribed ceilings shall be deemed to be horizontal			
	<b><u>Cover Strips</u></b>			
	Cover strips and edge trimming to be pre painted with pink wood primer. All corners to be neatly mitred and joints sealed with external quality wood filler			
	<b><u>Nail Heads</u></b>			
	Prepare and prime clout nail heads to f.c. eaves with plascon (EMS 18) water based red oxide primer. Prepare and stop all nail heads to cover strips with plastic wood filler.			
	<b>Carried Forward</b>		R	
	Section No. 2 Removal of Asbestos Roof Bill No. 4 Ceilings			

Brought Forward			R
<b><u>Preperation</u></b>			
Clean off all dirt and dust, rub down - stop up and repair with approved high strenght external quality filler - level off before drying and spot prime. Ensure the surface is clean, smooth, fully cured and dry,			
<b><u>Steel components</u></b>			
All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121			
<b><u>NAILED-UP CEILINGS</u></b>			
<b><u>6mm Thick "Everite" or other approved fibre cement ceiling boards fixed with galvanized clout nails at 150mm centres on brandering with hardwood quadrant edge trimming and half round cover strips</u></b>			
2/4/1	Ceilings including 50 x 38mm sawn softwood brandering at 400mm centres in one direction	m2	1 264
2/4/2	Extra over ceiling for 600 x 600mm trap door of 32 x 44mm wrought softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around	No	7
<b><u>"Lafarge" or other approved Coved cornices fixed with galvanised nails at 400mm centres to wall and ceiling surface</u></b>			
2/4/3	75mm Coved cornices	m	652
<b>Carried Forward to Summary of Section No. 2</b>			R
Section No. 2 Removal of Asbestos Roof Bill No. 4 Ceilings			

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 5</u></b>			
	<b><u>CARPENTRY AND JOINERY</u></b>			
	<b><u>PREAMBLES</u></b>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Model Preambles To All Trades 2008", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	Dimensions in descriptions of trusses are nominal and actual measurements are to be obtained from the Architect and/or taken on site before design or fabrication commences			
	<b><u>PRE-TREATMENT OF TIMBER</u></b>			
	This service falls within the areas defined in the National Building Regulations for treatment of timber against insect infestation / insect pest affecting softwood fixed permanently in all buildings.			
	The regulations require that the timber be treated. Tenderer's are to make allowance in there rates.			
	<b><u>PREFABRICATED ROOF TRUSSES</u></b>			
	All timber roof trusses including nail-plated trusses and bolted trusses with lapped members the Design, manufacture and erection of timber trusses.			
	The tenderer is to allow in his rates for an Registered Engineer nominated by the Roof truss supplier to issue the TR1 and TR2 certificate for the design and installation of related works to the Principle Agent.			
	Prices for the roof trusses are to include for all temporary bracing and supports and for all necessary top and bottom chord bracing, wind bacing and runners where required all over hanging ends to be wrot faced all round			
	<b>Carried Forward</b>		R	
	Section No. 2 Removal of Asbestos Roof Bill No. 5 Carpentry and Joinery			

Brought Forward			R
<b><u>PLATE NAILED TIMBER ROOF TRUSSES CONSTRUCTION</u></b>			
The following is applicable in respect of timber roof trusses: Trusses are at approximately 850mm centres for metal roof sheets on 50 x 75mm purlins. Ceilings are plaster board or fibre cement sheeting on softwood brandering.			
<b><u>Sawn softwood:</u></b>			
2/5/1	50 x 75mm Purlins	m	4 156
<b><u>The following in plate nailed timber roof trusses with a pitch not exceeding 22 Degrees, from an approved supplier, delivered to site, hoisted into position, fixed and braced on timber wall plates</u></b>			
2/5/2	Double pitch roof truss with 600mm over hang on both sides and tie beam spanning 3.00 - 4.00m	No	200
<b><u>EAVES, VERGES ETC</u></b>			
<b><u>"Everite" or other approved fibre-cement fascias and barge boards</u></b>			
2/5/3	15 x 255mm Fascias, including galvanised steel H-profile joiners	m	340
2/5/4	80 x 275mm Angle section barge board, including galvanised steel H-profile joiners	m	133
<b>Carried Forward to Summary of Section No. 2</b>			R
Section No. 2 Removal of Asbestos Roof Bill No. 5 Carpentry and Joinery			

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Item No	Quantity	Rate	Amount
<b><u>BILL NO. 7</u></b>			
<b><u>PLUMBING AND DRAINAGE</u></b>			
<b><u>PREAMBLES</u></b>			
<p>The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item</p>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<b><u>Sealing of edges</u></b>			
<p>Outer edges of sinks, basins, baths, urinals, etc are to be sealed against adjacent surfaces with approved silicone</p>			
<b><u>uPVC pipes and fittings</u></b>			
<p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings. Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings</p>			
<b><u>uPVC pressure pipes and fittings</u></b>			
<p>Pipes of 50mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings pipes of 63mm diameter and greater shall have sockets and spigots with push-in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints</p>			
<b><u>High density polyethylene (HDPE) pipes and fittings</u></b>			
<p>Pipes shall be type IV and of the class specified with Plasson or Alprene compression fittings</p>			
<b>Carried Forward</b>		R	
<p>Section No. 2 Removal of Asbestos Roof Bill No. 7 Plumbing and Drainage</p>			

<b>Brought Forward</b>	R
<p><b><u>Polycorp polypropylene pipes</u></b></p> <p>Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with Fast-Fuse heat welded thermoplastic or where so described Polylock compression fittings. Pipes shall be firmly fixed to walls, etc. with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions.</p> <p><b><u>Copper pipes</u></b></p> <p>Pipes shall be hard drawn and half-hard Maksal pipes of the class described. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard) Class 2 (Half-hard) and Class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be Cobra Watertech type. Capillary solder fittings shall comply with ISO 2016.</p> <p>Copper pipes are to be installed in accordance with the latest revision of the Code of Practice for Copper Plumbing soldering techniques. Flux, solder, etc. to be strictly in accordance with the manufacturer's requirements with special attention to copper flux composition</p> <p><b><u>Reducing fittings</u></b></p> <p>Where fittings have reducing ends or branches they are described as "reducing" and only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained.</p> <p><b><u>Fixing of pipes</u></b></p> <p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, etc., casting in, building in or suspending not exceeding 1m below suspension.</p>	
<b>Carried Forward</b>	R
<p>Section No. 2 Removal of Asbestos Roof Bill No. 7 Plumbing and Drainage</p>	

<b>Brought Forward</b>	R
<p><b><u>Paper wrapping to pipes</u></b></p> <p>Pipes chased into brickwork must be wrapped with two layers of stout brown paper tied with wire. Rates are to include for wrapping around joints and fittings</p> <p><b><u>Densyl petrolatum anti-corrosion tape as manufactured by Denso SA (Pty) Ltd</u></b></p> <p>Pipes to be taped shall be coated with the appropriate primer and the tape shall be applied in the appropriate widths and with overlaps. Couplings and fittings to pipes shall be taped in strict accordance with the manufacturer's instructions including mastic, tape, Layflat sheeting, securing of same etc.</p> <p>Prices for wrapping of pipes shall include for all work as described to couplings in the length.</p> <p><b><u>Excavations</u></b></p> <p>No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling</p> <p>"Intermediate material" and "hard material" shall be as defined in "Earthworks"</p> <p><b><u>Laying, backfilling, bedding, etc. of pipes</u></b></p> <p>Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions</p> <p>Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding</p> <p><b><u>Flush pans</u></b></p> <p>Flush pans shall have straight or side outlets and "P" or "S" traps as necessary</p>	
<b>Carried Forward</b>	R
<p>Section No. 2 Removal of Asbestos Roof Bill No. 7 Plumbing and Drainage</p>	

	<b>Brought Forward</b>			R
	<p><b><u>Stainless steelbasins, sinks, wash troughs, urinals, etc.</u></b></p> <p>Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable</p> <p><b><u>General</u></b></p> <p>Descriptions of cast iron roof outlets shall be deemed to include joints to pipes and casting into concrete (adaptors for joints to PVC pipes, etc. are given separately) Descriptions of overflow pipes where measured in number, shall be deemed to include joints to cisterns and splay cut ends</p> <p>Descriptions of pipes laid in and including trenches and inspection chambers, catchpits, etc. shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 95% Mod AASHTO density.</p> <p>Descriptions of service pipes and flexible connecting pipes shall be deemed to include connnections to taps, cisterns, etc and to steel pipes (adaptors for connections to copper pipes, etc. are given separately).</p> <p>Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured)</p> <p><b><u>As-built drawings</u></b></p> <p>Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as built drawings elsewhere)</p> <p><b><u>RAINWATER DISPOSAL</u></b></p> <p><b><u>"Ogee profile aluminium H3003h 14" or other approved seamless gutter in marble white colour with and including matching rivet fixed mitres and end caps internally sealed using "Sika" or other approved silicon mastic sealer. Gutters are to be hung with nailed fixed internal aluminium hangers at 600mm centres to fibre cement fascia boards (Fibre cement fascia boards elsewhere measured)</u></b></p>			
2/7/1	125 x 85 x 0.6mm Ogee profile gutter	m	340	
	<b>Carried Forward</b>			R
	<p>Section No. 2 Removal of Asbestos Roof Bill No. 7 Plumbing and Drainage</p>			

**Khathi High School**  
**Asbestos Eradication and Associated Roofing Works**

	Brought Forward			R
2/7/2	Extra on gutter for stop end	No	28	
	<b><u>"Marley" or other approved uPVC downpipes</u></b>			
2/7/3	75mm Diameter rainwater pipe	m	98	
2/7/4	Extra on rainwater pipe for bend	No	56	
2/7/5	Extra on rainwater pipe for outlet	No	28	
2/7/6	Extra on rainwater pipe for shoe	No	28	
<b>Carried Forward to Summary of Section No. 2</b>				R
Section No. 2				
Removal of Asbestos Roof				
Bill No. 7				
Plumbing and Drainage				

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 8</u></b>			
<b><u>PAINTWORK</u></b>			
<b><u>PREAMBLES</u></b>			
The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
Before painting can commence, every problem must be repaired in strict accordance with SECTION 2 - Best painting practice			
<b><u>SABS Specifications</u></b>			
Alkali resistant primer - SABS 1416			
Wash primer (metal etch) - SANS 723			
Primers for internal wood work - SABS 678 Type 111			
Zinc chromate primer for steel - SANS 5679			
Undercoat for paints (Except emulsion paint) - SABS 681 Type 1			
Gloss enamel paint - SABS 631			
Aluminium paint - SABS 682 Grade 11			
Structural steel paint - SANS 684			
Emulsion paint - SABS 1586 (Gloss, Semi gloss, Matt : Internal /External)			
<b><u>ON PLASTERBOARD SURFACES</u></b>			
<b>Carried Forward</b>		R	
Section No. 2 Removal of Asbestos Roof Bill No. 8 Paintwork			

	Brought Forward			R
	<u>"Dulux" or other approved alkali resistant primer and two coats "Dulux Trade 100 Lowsheen" emulsion paint for interior use</u>			
2/8/1	Cornices	m2	65	
	<u>ON FIBRE-CEMENT BOARD SURFACES</u>			
	<u>"Dulux" or other approved alkali resistant primer and two coats "Dulux Trade 100 Lowsheen" emulsion paint for interior use</u>			
2/8/2	Ceilings	m2	1 264	
	<u>"Plascon" or other approved alkali resistant primer and two coats "Nu-Roof" emulsion paint for exterior use</u>			
2/8/3	Fascias and barge boards	m2	126	
	<u>ON WOOD SURFACES</u>			
	<u>One coat of Carbolineum on:</u>			
2/8/4	Truss overhang	m2	102	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Removal of Asbestos Roof				
Bill No. 8				
Paintwork				

**Khathi High School**  
**Asbestos Eradication and Associated Roofing Works**

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 9</u></b>			
	<b><u>PROVISIONAL SUMS</u></b>			
	<b><u>The following selected sub-contract amounts are for work to be carried out by selected sub-contractors in terms of the Principal Building Agreement:</u></b>			
	<b><u>ELECTRICAL</u></b>			
2/9/1	Provide the amount of R 418,000.00 for Electrical Installation	Item		418 000.00
2/9/2	Profit on the above item	Item		
2/9/3	Attendance on the above item	Item		
	<b><u>COMMUNITY LIAISON OFFICER</u></b>			
2/9/4	Provide the sum of R 100,000.00 for community liaison officer (R10,000.00 per month)	Item		100 000.00
2/9/5	Profit on the above item	Item		
2/9/6	Attendance on the above item	Item		
	<b>Carried Forward to Summary of Section No. 2</b>		R	
	Section No. 2 Removal of Asbestos Roof Bill No. 9 Provisional Sums			



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