

## SECTION A - LINGELETHU PS 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>
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<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>					R
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 1 Bill No. 1 Preliminaries <b>LINGELETHU PRIMARY SCHOOL</b></p>					R

<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>			R	
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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				
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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>					<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>LINGELETHU PRIMARY SCHOOL</b></p>					<p style="text-align: center;">R</p>

<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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	<b>Brought Forward</b>			R	
13	Fixed _____ Related _____ Time Related _____	Item			
	<b>A11.0 LIABILITY INSURANCES</b>				
	Clause 11.0				
14	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>A12.0 EFFECTING INSURANCES</b>				
	Clause 12.0				
15	Fixed _____ Value Related _____ Time Related _____	Item			
	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>				
	<b>Carried Forward</b>			R	
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<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
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<b>Brought Forward</b>	R	
<p>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.</p> <p>14.5.4 The payment reduction of the value certified in a <b>payment certificate</b> shall be in terms of 31.8 (A) and 34.8</p> <p>14.5.5 Where the <b>employer</b> has 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.</p> <p>14.6 Where <b>security</b> as a cash deposit of five per cent (5%) of the <b>contract sum</b> (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the <b>payment certificate</b> (excluding VAT) has been selected:</p> <p>14.6.1 The <b>contractor</b> shall furnish the <b>employer</b> with a cash deposit equal in 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>.</p> <p>14.6.2 Within twenty-one (21) <b>calendar days</b> of the date of <b>practical completion</b> of the <b>works</b> the <b>employer</b> shall refund the cash deposit in total to the <b>contractor</b>.</p> <p>14.6.3 The payment reduction of the value certified in a <b>payment certificate</b> shall be <i>mutatis mutandi</i> in terms of 31.8(A)</p> <p>14.6.4 Where the <b>employer</b> has 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.</p> <p>14.7 Where <b>security</b> as a payment reduction of ten per cent (10%) of the value certified in the <b>payment certificate</b> (excluding VAT) has been selected:</p> <p>14.7.1 The payment reduction of the value certified in a <b>payment certificate</b> shall be <i>mutatis mutandi</i> in terms of 31.8(B)</p>		
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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</b> <b>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		
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	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				
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26	Fixed_____Value Related_____Time Related_____	Item		
	A25.0 WORKS COMPLETION			
	Clause 25.0			
27	Fixed_____Value Related_____Time Related_____	Item		
	A26.0 FINAL COMPLETION			
	Clause 26.0			
	Clause 26.1.2 is amended by inserting "#" next to 26.1.2			
28	Fixed_____Value Related_____Time Related_____	Item		
	A27.0 LATENT DEFECTS LIABILITY PERIOD			
29	Clause 27.0	Item		
30	Fixed_____Value Related_____Time Related_____	Item		
	A28.0 SECTIONAL COMPLETION			
31	Clause 28.0	Item		
32	Fixed_____Value Related_____Time Related_____	Item		
	A29.0 REVISION OF DATE FOR PRACTICAL COMPLETION			
	Clause 29.0			
33	Clause 29.2.5 is amended by replacing it with:	Item		
34	No clause	Item		
	Carried Forward		R	
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35	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>A30.0 PENALTY FOR NON-COMPLETION</b>				
	Clause 30.0				
	R6 800 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>				
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31.8(A).4 One hundred per cent (100%) of such value in the final **payment certificate** in terms of 34.6 except where the amount certified is in favour of the **employer**. In such an event the payment reduction shall remain at the adjustment level applicable to the final **payment certificate**.

## Alternative B

31.8(B).1 Ninety per cent (90%) of such value in interim **payment certificates** issued up to the date of **practical completion**

31.8(B).2 Ninety-seven per cent (97%) of such value in interim **payment certificates** issued on the date of **practical completion** and up to but excluding the date of **final completion**

31.8(B).3 Ninety-nine per cent (99%) of such value in interim **payment certificates** issued on the date of **final completion** and up to but excluding the **final payment certificate** in terms of 34.6

31.8(B).4 One hundred per cent (100%) of such value in the final **payment certificate** in terms of 34.6 except where the amount certified is in favour of the **employer**. In such an event the payment reduction shall remain at the adjustment level applicable to the **final payment certificate**

Clause31.12 is amended by deleting the following:

**Carried Forward**

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>			R	
	<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>			R	
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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>LINGELETHU PRIMARY SCHOOL</b></p>				

## Brought Forward

### **A39.0 CANCELLATION - CESSATION OF THE WORKS**

## Clause 39.0

Clause 39.3.5 is amended by the addition of the following at the end of the sentence:

"within one hundred and twenty (120) **working days** of completion of such a report"

48 Fixed \_\_\_\_\_ Value Related \_\_\_\_\_ Time  
Related \_\_\_\_\_

Item

## DISPUTE

## A40.0 DISPUTE SETTLEMENT

## Clause 40.0

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

Clause 40.6 is amended by removing the reference to:

No Clause

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

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

49 Fixed \_\_\_\_\_ Value Related \_\_\_\_\_ Time  
Related

Item

## SUBSTITUTE PROVISIONS

## A41.0 STATE CLAUSES

## Clause 41.0

**Carried Forward**

R

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	Brought Forward		R
50	Fixed_____Value Related_____Time Related_____  CONTRACT DATA  A42.0 PRE-TENDER INFORMATION	Item	
51	Fixed_____Value Related_____Time Related_____  Clause 42.1 CONTRACTING AND OTHER PARTIES  42.1.1  Employer:  Development Bank of Southern Africa 1258 Lever Road, Headway Hill, Midrand, 1685  42.1.2 Principal Agent:  N/A  Clause 42.2 CONTRACT DETAILS  42.2.1 Works Description  Repairs and Renovations, Upgrading And Alterations to the Lingeletu Primary School	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries LINGELETHU PRIMARY SCHOOL		

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<b>Brought Forward</b>				R
42.2.2 Site Description				
Lingeletu Primary School KwaZulu Natal				
GPS Coordinates: 30° 10' 29.399" S, 30° 10' 48.781" 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> R6 800 / 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>			R	
	<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>			R	
	<p>Section No. 1 Bill No. 1 Preliminaries <b>LINGELETHU PRIMARY SCHOOL</b></p>				

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Brought Forward			R
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>			R
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	<b>Brought Forward</b>			<b>R</b>	
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>			<b>R</b>	
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[illegible]

<b>Brought Forward</b>				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 _____					
<b>Carried Forward</b>				R	
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<b>Brought Forward</b>				R	
<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>				R	
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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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	<b>Brought Forward</b>			<b>R</b>	
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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Brought Forward			R
103	Fixed _____ Value Related _____ Time Related _____	Item	
<b>B11.8 Vermin</b>			
104	Fixed _____ Value Related _____ Time Related _____	Item	
<b>B11.9 Overhand work</b>			
105	Fixed _____ Value Related _____ Time Related _____	Item	
<b>B11.10 Instruction manuals and guarantees</b>			
106	Fixed _____ Value Related _____ Time Related _____	Item	
<b>B11.11 As built information</b>			
107	Fixed _____ Value Related _____ Time Related _____	Item	
<b>B11.12 Tenant installations</b>			
108	Fixed _____ Value Related _____ Time Related _____	Item	
<b>B12.0 SCHEDULE OF VARIABLES</b>			
<b>B12.1 Schedule of variables</b>			
109	Fixed _____ Value Related _____ Time Related _____	Item	
Carried Forward			R
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<b>Brought Forward</b>				R
<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>				
<b>Carried Forward</b>				R
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<b>Brought Forward</b>	R	
<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>		
<b>Carried Forward</b>	R	
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<b>Brought Forward</b>			<b>R</b>	
<b>12.1.19 Ablution Facilities</b> [7.5] option A (by contractor) <b>YES</b> option B (by employer - free of charge) option C (by employer - metered)				
<b>12.1.20 Protection of existing / sectionally occupied works</b> [11.2] Protection required N/A				
<b>12.1.21 Special Attendance</b> [9.2] Subcontractor (1) details:  Subcontractor (2) details:  Subcontractor (3) details:  Subcontractor (4) details:				
<b>12.1.22 Protection of the works</b> [11.1] Special requirements				
<b>12.1.23 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				
<b>12.1.24 Environmental disturbance</b> [11.6] Special requirements				
<b>12.2 POST-TENDER INFORMATION</b>				
<b>12.2.1 Payment of preliminaries</b> [10.2] Option A (pro rated) YES/NO  Option B (calculated) YES/NO				
<b>12.2.2 Adjustment of preliminaries</b> [10.30] Option A (three categories) YES/NO Option B (detailed breakdown) YES/NO				
<b>Carried Forward</b>			<b>R</b>	
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	<b>Brought Forward</b>			R	
	<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>			R	
	<p>Section No. 1 Bill No. 1 Preliminaries <b>LINGELETHU PRIMARY SCHOOL</b></p>				

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	<b>Brought Forward</b>			<b>R</b>
	<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>			<b>R</b>
	<p>Section No. 1 Bill No. 1 Preliminaries <b>LINGELETHU PRIMARY SCHOOL</b></p>			

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	<b>Brought Forward</b>			<b>R</b>	
	<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>	
	<p>Section No. 1 Bill No. 1 Preliminaries <b>LINGELETHU PRIMARY SCHOOL</b></p>				

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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>	
	<p>Section No. 1 Bill No. 1 Preliminaries <b>LINGELETHU PRIMARY SCHOOL</b></p>				

	<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>contractor</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
	Section No. 1 Bill No. 1 Preliminaries <b>LINGELETHU PRIMARY SCHOOL</b>		

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	<b>Brought Forward</b>			<b>R</b>	
	Selection and appointment of a competent Service Provider approved by the <b>Principal Agent</b> , provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern 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>				
	<b>Carried Forward</b>			<b>R</b>	
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	<b>Brought Forward</b>			<b>R</b>	
124	<p>Clause 10.6</p> <p>Fixed_____Value Related_____Time Related_____</p> <p>C11.0 OCCUPATIONAL HEALTH AND SAFETY ACT</p> <p>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).</p> <p>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>.</p> <p>The <b>contractor</b> must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the <b>principal agent</b>, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the the right to delay issuing any progress <b>payment certificate</b> until the <b>contractor</b> provides satisfactory proof of compliance. The <b>contractor</b> shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.</p> <p>Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained</p>	Item			
125	<p>Fixed_____Value Related_____Time Related_____</p>	Item			
	<b>Carried Forward</b>			<b>R</b>	
	<p>Section No. 1 Bill No. 1 Preliminaries <b>LINGELETHU PRIMARY SCHOOL</b></p>				

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	<b>Brought Forward</b>			<b>R</b>	
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			
	<b>Carried Forward</b>			<b>R</b>	
	Section No. 1 Bill No. 1 Preliminaries <b>LINGELETHU PRIMARY SCHOOL</b>				



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	<b>Brought Forward</b>		<b>R</b>	
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>	
	Section No. 1 Bill No. 1 Preliminaries <b>LINGELETHU PRIMARY SCHOOL</b>			

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	<b>Brought Forward</b>			<b>R</b>	
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			
<p><b>C12.0 EMPLOYMENT AND TRAINING OF YOUTH WORKERS ON THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP) INFRASTRUCTURE PROJECTS: NATIONAL YOUTH SERVICE (NYS)</b></p> <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>			<b>R</b>	
<p>Section No. 1 Bill No. 1 Preliminaries <b>LINGELETHU PRIMARY SCHOOL</b></p>					

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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			
	<b>Carried to Final Summary</b>			R	
	<p>Section No. 1 Bill No. 1 Preliminaries <b>LINGELETHU PRIMARY SCHOOL</b></p>				

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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>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	153	
2				
	Stripping average 150mm thick layer of vegetable soil including carting away to a dumping site to be located by the contractor	m2	153	
<b><u>EXCAVATION, FILLING, ETC</u></b>				
<b><u>Excavation in earth not exceeding 2m deep</u></b>				
3				
	Trenches	m3	37	
4				
	Trenches and holes for thickening under surface beds, etc	m3	355	
<b><u>Extra over trench and hole excavations in earth for excavation in</u></b>				
5				
	Soft rock	m3	37	
6				
	Hard rock	m3	75	
<b>Carried Forward</b>				R
Section No. 2 Bill No. 1 Earthworks <b>LINGELETHU PRIMARY 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	370
<b><u>Risk of collapse of excavations</u></b>			
8	Sides of trench and hole excavations not exceeding 1,5m deep	m2	405
<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	45
<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	60
12	Backfilling to trenches, holes, etc	m3	15
<b><u>G5 material supplied by the contractor compacted to 93% Mod AASHTO density</u></b>			
13	Under floors, steps, pavings, etc.	m3	74
<b><u>Coarse river sand filling supplied by the contractor</u></b>			
14	Under floors, steps, paving, etc	m3	21
Carried Forward			R
Section No. 2 Bill No. 1 Earthworks <b>LINGELETHU PRIMARY SCHOOL</b>			

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Brought Forward			R
<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	446
<b><u>Prescribed density tests on filling</u></b>			
16	"Modified AASHTO Density" test	No	18
<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	237
18	To bottoms of trenches	m2	165
<b>Carried Forward to Summary of Section No. 2</b>			R
Section No. 2 Bill No. 1 Earthworks <b>LINGELETHU PRIMARY SCHOOL</b>			

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Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>				
	<b><u>BILL NO. 2</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	14		
2	Bases	m3	0.1		
3	Toilet pit slabs	m3	21		
	<b><u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u></b>				
	<b><u>25MPa/19mm concrete</u></b>				
4	Surface beds on waterproofing	m3	24		
	<b><u>TEST BLOCKS</u></b>				
5	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	36		
	<b><u>ROUGH FORMWORK</u></b>				
	<b><u>Rough formwork to sides surfaces</u></b>				
6	Vertical sides of slabs	m2	30		
	<b>Carried Forward</b>			R	
	Section No. 2 Bill No. 2 Concrete, Formwork & Reinforcement <b>LINGELETHU PRIMARY SCHOOL</b>				

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Brought Forward				R
<u>Rough formwork to soffits surfaces</u>				
7	Toilet pit slabs	m2	107	
<u>REINFORCEMENT (PROVISIONAL)</u>				
<u>Fabric reinforcement</u>				
8	Type 245 fabric reinforcement in concrete surface beds etc	m2	400	
9	Type 500 fabric reinforcement in concrete slabs, etc.	m2	400	
<u>REINFORCEMENT</u>				
<u>Mild steel reinforcement to structural concrete work</u>				
10	10mm Diameter bars	t	1.66	
<u>High tensile steel reinforcement to structural concrete work</u>				
11	12mm Diameter bars	t	3.16	
<b>Carried Forward to Summary of Section No. 2</b>				R
Section No. 2				
Bill No. 2				
Concrete, Formwork & Reinforcement				
<b>LINGELETHU PRIMARY SCHOOL</b>				



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Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>				
	<b><u>BILL NO. 3</u></b>				
	<b><u>MASONRY</u></b>				
	<u>PREAMBLES</u>				
	(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	220		
	<b><u>SUPERSTRUCTURE</u></b>				
	<b><u>Brickwork of NFP bricks in class II mortar</u></b>				
3	Half brick walls	m2	82		
4	Piers	m3	1		
5	Half brick walls in beamfilling.	m2	43		
6	One brick walls.	m2	330		
	<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	14		
	<b><u>Brickwork reinforcement</u></b>				
8	75mm Wide reinforcement built in horizontally	m	320		
	<b>Carried Forward</b>			R	
	Section No. 2 Bill No. 3 Masonry <b>LINGELETHU PRIMARY SCHOOL</b>				

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	<b>Brought Forward</b>			<b>R</b>	
9	150mm Wide reinforcement built in horizontally	m	2,573		
	<b><u>Prestressed fabricated lintels</u></b>				
10	100 x 70mm Lintels in lengths not exceeding 3m.	m	33		
	<b><u>Turning pieces</u></b>				
11	115mm Wide turning pieces	m	11		
12	230mm Wide turning pieces	m	8		
	<b><u>Galvanised wire ties etc</u></b>				
13	4mm Diameter roof tie 2m girth bent double, with one end built into brickwork and other end fixed to timber	No	34		
	<b><u>Galvanised hoop iron cramps, ties, etc</u></b>				
14	30 x 1,6mm Roof tie 1,5m long with one end built into brickwork and other end fixed to timber	No	67		
	<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>				
15	Extra over brickwork for face brickwork	m2	282		
16	Extra over brickwork for brick-on-edge header course lintel pointed on face and 115mm soffit	m	18		
	<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>				
17	180mm Wide sill set sloping and slightly projecting	m	18		
	<b><u>BRICK SUNDRIES</u></b>				
	<b>Carried Forward</b>			<b>R</b>	
	Section No. 2				
	Bill No. 3				
	Masonry				
	<b>LINGELETHU PRIMARY SCHOOL</b>				

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Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>				
	<b><u>BILL NO. 4</u></b>				
	<b><u>WATERPROOFING</u></b>				
	<u>PREAMBLES</u>				
	(For preambles refer to: Department of Public Works Specification materials and methods to be used "PW 371				
	<b><u>DAMP-PROOFING OF WALLS AND FLOORS</u></b>				
	<b><u>One layer of 375 micron "Consol Plastics Brikgrip DPC" or other equal and approved embossed damp proof course</u></b>				
1	In walls	m2	13		
	<b><u>One layer of 250 micron "Consol Plastics Gunplas USB Green" or other equal and approved waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u></b>				
2	Under surface beds	m2	237		
	<b><u>Cementious waterproofing system comprising two full coats PMF waterproof slurry applied with a brush to a final dry film thickness of 2 to 3mm</u></b>				
3	On walls.	m2	360		
4	On floors	m2	191		
5	On soffit of slab	m2	107		
	<b>Carried Forward to Summary of Section No. 2</b>			R	
	Section No. 2 Bill No. 4 Waterproofing <b>LINGELETHU PRIMARY SCHOOL</b>				

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<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. 6 Carpentry And Joinery <b>LINGELETHU PRIMARY SCHOOL</b></p>		

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		<b>Brought Forward</b>		<b>R</b>	
<b><u>ROOFS, ETC</u></b>					
<b><u>Sawn Pine</u></b>					
1	38 x 114mm Wall plate	m	101		
<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 41m2 on plan (Block NB4).		Item		
3	Trusses for rectangular shaped building, size overall 33m2 on plan (Block NB7 - 2nd Block).		Item		
4	Trusses for rectangular shaped building, size overall 37m2 on plan (Block NB5).		Item		
5	Trusses for rectangular shaped building, size overall 41m2 on plan (Block NB6).		Item		
<b><u>EAVES AND VERGES</u></b>					
<b><u>"Everite Flexit" or other equal and approved pressed nutec-cement</u></b>					
6	12 x 300mm Fascia or bargeboard	m	120		
<b><u>DOORS, ETC</u></b>					
<b><u>Wrought meranti doors hung to steel frames</u></b>					
7	D14, 44mm Framed batten door 944 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	8		
<b><u>Carried Forward</u></b>				<b>R</b>	
Section No. 2 Bill No. 6 Carpentry And Joinery <b>LINGELETHU PRIMARY SCHOOL</b>					



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Brought Forward				R
8	<p><u>Semi-solid flush doors with sapele veneer on both sides hung to steel frames</u></p> <p>D13, 40mm Door 813 x 2 032mm high</p>	No	14	
<p><b>Carried Forward to Summary of Section No. 2</b></p> <p>Section No. 2  Bill No. 6  Carpentry And Joinery  <b>LINGELETHU PRIMARY SCHOOL</b></p>				R

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>				
	<b><u>BILL NO. 7</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>9mm Fibre cement ceiling or similar and approved on 38x38 timber brandering (recommended suspension system, jointing and spacing to strict manufacturer's details) on timber trusses</u></b>				
1	Ceilings	m2	102		
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	4		
	<b><u>CORNICES, ETC.</u></b>				
	<b><u>"The Moulding Shop" or similar approved</u></b>				
3	90x90 mm Coved Polystyrene glue on cornice installed with paintable sealing glue to strict manufacturer's details.	m	209		
	<b>Carried Forward to Summary of Section No. 2</b>			R	
	Section No. 2 Bill No. 7 Ceilings, Partitions And Access Flooring <b>LINGELETHU PRIMARY SCHOOL</b>				

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Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>				
	<b><u>BILL NO. 9</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	8		
	<b><u>Hinges, Bolts, Etc</u></b>				
2	100 x 75LD medium butt hinge	No	44		
	<b><u>LOCKS</u></b>				
	<b><u>Manufactured by "Ironmongery Warehouse Africa"</u></b>				
3	"IW1922" bathroom indicators	No	14		
4	"IW1929" 170X170mm SS push plate	No	8		
	<b><u>LETTERS, NAMEPLATES, ETC</u></b>				
	<b><u>"Dorma" or other similar approved</u></b>				
5	DSS - 131 F 150 x 150mm engraved aluminium "female" indicator plate	No	3		
6	DSS - 131 F 150 x 150mm engraved aluminium "male" indicator plate	No	3		
	<b>Carried Forward</b>			R	
	Section No. 2 Bill No. 9 Ironmongery <b>LINGELETHU PRIMARY SCHOOL</b>				

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	<b>Brought Forward</b>			<b>R</b>	
7	DSS - 131 F 150 x 150mm engraved aluminium "Disable" indicator plate	No	2		
8	5mm x 100mm Black Plastic numbering screw and/ glue on fixed to external door or as per specialist details installed @ 1700mm AFFL	No	8		
	<b><u>SUNDRIES</u></b>				
9	Floor mounted AS Round Door Stop (AL8730AS)	No	8		
10	900mm high SS kick plate	No	8		
11	12L pedal operated sanitary waste in each cubicle supplied by volkem hygiene or similar approved (width 435mm x height 465mm x dept 115mm.)	No	10		
	<b><u>BATHROOM FITTINGS</u></b>				
	<b><u>"Chairman Industries" or other similar approved</u></b>				
12	32mm Side grab rail (Code D12)	No	2		
13	32mm Rear grab rail around (Code SR2A)	No	2		
	<b><u>"Franke" or other similar approved</u></b>				
14	Double toilet roll holder by Franke (RODX672) with spindle system for wall mounting, stainless steel, surface satin finished, material thickness 0.8 mm, folded front cover, cylinder lock with Franke standard key, for 2 rolls with max. Ø 120 mm, second roll will be released after consumption of first roll, with spindles, reserve roll not visible, incl. stainless steel screws and dowels.	No	16		
	<b><u>"Volkem" or other similar approved</u></b>				
15	Golden Touch Soap Dispenser Lockable 1200ml – Stainless Steel	No	12		
	<b>Carried Forward to Summary of Section No. 2</b>			<b>R</b>	
	Section No. 2				
	Bill No. 9				
	Ironmongery				
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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>METALWORK</u></b>				
	PREAMBLES				
	(For preambles refer to: Department of Public Works Specification materials and methods to be used "PW 371)				
	<b><u>HOT DIPPED GALVANIZED PRESSED STEEL DOOR FRAMES</u></b>				
	<b><u>1,2mm rebated frames suitable for half brick walls</u></b>				
1	Frame for door 813 x 2032mm high	No	14		
	<b><u>1,2mm rebated frames suitable for one brick walls</u></b>				
2	Frame for door 944 x 2032mm high	No	8		
	<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>				
3	Window type 9T6C, 889 x 457mm high	No	4		
4	Window type W3, 533 x 654 mm high	No	28		
	<b>Carried Forward to Summary of Section No. 2</b>			R	
	Section No. 2 Bill No. 10 Metalwork <b>LINGELETHU PRIMARY SCHOOL</b>				

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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>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	60		
2	110mm diameter rainwater pipes	m	19		
3	Extra over eaves gutter for angle	No	16		
4	Extra over eaves gutter for outlet for 100mm diameter pipe	No	8		
5	Extra over rainwater pipe for eaves or plinth offset 450mm projection	No	8		
6	Extra over rainwater pipe for shoe	No	8		
	<b><u>SANITARY FITTINGS</u></b>				
	<b><u>"Atlas Plastic" or similar approved</u></b>				
7	627AP Bambi Long Drop c/w Flap or similar appoved fixed to floors with an approved epoxy or bolted to floors with and including four 6mm diameter x 50mm long expansion bolts.	No	3		
8	222AP VIP 200 pedestal w/c flap and incorporated seat including VIP inlet funnel code 224AP	No	13		
	<b>Carried Forward</b>			R	
	Section No. 2 Bill No. 12 Plumbing And drainage <b>LINGELETHU PRIMARY SCHOOL</b>				



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	<b>Brought Forward</b>			<b>R</b>	
9	496AP bowl urinal c/w brackets complete with waterless urinal fitting and waste	No	2		
10	383AP christy basin with splashback complete with all mountings	No	18		
	<b><u>uPVC</u></b>				
11	50mm S-Trap	No	18		
12	110mm Vent pipe	No	16		
13	Urinal offset tail pipe	No	2		
	<b><u>Chromium Plated Brass</u></b>				
14	50mm waste union complete with shank, plug and chain.	No	18		
15	32 x 50mm Bottle trap	No	18		
	<b><u>TAPS, VALVES, ETC.</u></b>				
	<b><u>Chromium Plated Brass Fittings Including Couplings To Copper</u></b>				
16	"Aqualine" S - Aqua 205 Self Closing Bib Tap or similar approved	No	18		
17	20mm Urinal flash valve	No	2		
	<b><u>TESTING</u></b>				
18	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>			<b>R</b>	
	Section No. 2				
	Bill No. 12				
	Plumbing And drainage				
	<b>LINGELETHU PRIMARY SCHOOL</b>				

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Brought Forward			R
<u>Prepare, stop and apply one coat alkali resistant primer, one coat universal undercoat and two finishing coats of acrylic emulsion paint on:</u>			
5	Fascia and barge boards.	m2	38
<u>Three coats superior quality clear gloss varnish</u>			
6	On doors	m2	83
<p>Carried Forward to Summary of Section No. 2</p> <p>Section No. 2            Bill No. 14            Paintwork  <b>LINGELETHU PRIMARY SCHOOL</b></p>			R

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Bill No	SECTION SUMMARY - ABLUTIONS	Page No	Amount
1	Earthworks	53	
2	Concrete, Formwork & Reinforcement	55	
3	Masonry	58	
4	Waterproofing	59	
5	Roof Coverings, ETC	60	
6	Carpentry And Joinery	64	
7	Ceilings, Partitions And Access Flooring	65	
8	Floor coverings, wall linings, etc.	66	
9	Ironmongery	68	
10	Metalwork	69	
11	Plastering	70	
12	Plumbing And drainage	72	
13	Glazing	73	
14	Paintwork	75	
<b>Carried to Final Summary</b>			
Section No. 2			
<b>LINGELETHU PRIMARY SCHOOL</b>			

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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>LINGELETHU PRIMARY 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>LINGELETHU PRIMARY 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> <p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 3 Bill No. 1 Alterations <b>LINGELETHU PRIMARY SCHOOL</b></p>					<p style="text-align: center;">R</p>
					<p style="text-align: center;">R</p>



Section No. 3  
Bill No. 1  
Alterations  
**LINGELETHU PRIMARY SCHOOL**

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	Brought Forward			R	
	<b><u>Carefully taking down and removing</u></b>				
1	Asbestos roof coverings complete, load and cart away debris.	m2	839		
2	Aluminium roof coverings complete, load and cart away debris.	m2	309		
	<b><u>Breaking up and removing unreinforced concrete</u></b>				
3	100mm Thick surface beds	m2	37		
4	2000 x 2000 x 1000mm High water tank stand	No	3		
	<b><u>Breaking down and removing brickwork etc</u></b>				
5	One brick wall	m2	99		
	<b><u>Taking out doors, windows etc including thresholds, sills, etc and prepare opening for new (elsewhere measured)</u></b>				
6	Timber door and frame not exceeding 2,5m2.	No	25		
7	Glazed steel window not exceeding 2,5m2	No	78		
	<b><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u></b>				
8	Existing ceilings and cornice	m2	729		
	<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	562		
10	30mm Screed from floors	m2	729		
	<b><u>Taking out and removing sundry joinery work, fittings, etc</u></b>				
11	Timber skirting from brickwork	m	351		
12	Timber dado rail from brickwork	m	351		
	<b>Carried Forward</b>			R	
	Section No. 3 Bill No. 1 Alterations <b>LINGELETHU PRIMARY SCHOOL</b>				

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<b>Brought Forward</b>			<b>R</b>
<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	611
<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	182
<b><u>MAKING GOOD OF FINISHES, ETC</u></b>			
<b><u>Making good cement plaster</u></b>			
17	Walls in patches	m2	17
<b><u>Making good face brick</u></b>			
18	Wash and seal existing face brick externally.	m2	562
19	Wash and seal existing face brick internally.	m2	358
<b>Carried Forward to Summary of Section No. 3</b>			<b>R</b>
Section No. 3			
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Item No	Unit	Quantity	Rate	Amount
<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	675	
2				
	Stripping average 150mm thick layer of vegetable soil including carting away to a dumping site to be located by the contractor	m2	675	
<b><u>EXCAVATION, FILLING, ETC</u></b>				
<b><u>Excavation in earth not exceeding 2m deep</u></b>				
3				
	Trenches	m3	175	
4				
	Trenches and holes for thickening under surface beds, etc	m3	2	
<b><u>Extra over trench and hole excavations in earth for excavation in</u></b>				
5				
	Soft rock	m3	18	
6				
	Hard rock	m3	35	
<b>Carried Forward</b>				R
Section No. 3 Bill No. 2 Earthworks <b>LINGELETHU PRIMARY 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	177
<b><u>Risk of collapse of excavations</u></b>			
8	Sides of trench and hole excavations not exceeding 1,5m deep	m2	524
<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	250
<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	69
12	Backfilling to trenches, holes, etc	m3	82
<b><u>G5 material supplied by the contractor compacted to 93% Mod AASHTO density</u></b>			
13	Under floors, steps, pavings, etc.	m3	84
<b><u>Coarse river sand filling supplied by the contractor</u></b>			
14	Under floors, steps, paving, etc	m3	28
Carried Forward			R
Section No. 3 Bill No. 2 Earthworks <b>LINGELETHU PRIMARY SCHOOL</b>			

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Item No		Unit	Quantity	Rate	Amount
	<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	53		
2	Bases	m3	2		
	<b><u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u></b>				
	<b><u>25MPa/19mm concrete</u></b>				
3	Surface beds on waterproofing	m3	63		
	<b><u>TEST BLOCKS</u></b>				
4	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	18		
	<b><u>REINFORCEMENT (PROVISIONAL)</u></b>				
	<b><u>Fabric reinforcement</u></b>				
5	Type 245 fabric reinforcement in concrete surface beds etc	m2	560		
	<b>Carried Forward</b>			R	
	Section No. 3 Bill No. 3 Concrete, Formwork And Reinforcement <b>LINGELETHU PRIMARY SCHOOL</b>				

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	<b>Brought Forward</b>			<b>R</b>
6	Type 500 fabric reinforcement in concrete surface beds etc	m2	560	
	<b><u>REINFORCEMENT</u></b>			
	<b><u>Mild steel reinforcement to structural concrete work</u></b>			
7	10mm Diameter bars	t	6.04	
	<b><u>High tensile steel reinforcement to structural concrete work</u></b>			
8	12mm Diameter bars	t	6.04	
<b>Carried Forward to Summary of Section No. 3</b>				<b>R</b>
Section No. 3				
Bill No. 3				
Concrete, Formwork And Reinforcement				
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Item No		Unit	Quantity	Rate	Amount
	<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	One brick walls	m2	153		
	<b><u>SUPERSTRUCTURE</u></b>				
	<b><u>Brickwork of NFP bricks in class II mortar</u></b>				
2	Half brick walls	m2	209		
3	Half brick walls in beamfilling.	m2	62		
4	One brick walls.	m2	479		
	<b><u>BRICKWORK SUNDRIES</u></b>				
	<b><u>Joint forming material in movement joints:</u></b>				
5	10mm Bitumen impregnated fibre board built in vertical in one brick wall not exceeding 300mm wide.	m2	75		
	<b><u>Brickwork reinforcement</u></b>				
6	75mm Wide reinforcement built in horizontally	m	821		
7	150mm Wide reinforcement built in horizontally	m	2,528		
	<b>Carried Forward</b>			R	
	Section No. 3 Bill No. 4 Masonry <b>LINGELETHU PRIMARY SCHOOL</b>				

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Brought Forward			R
<b><u>Prestressed fabricated lintels</u></b>			
8	100 x 70mm Lintels in lengths not exceeding 3m.	m	42
<b><u>Turning pieces</u></b>			
9	230mm Wide turning pieces	m	42
<b><u>Galvanised wire ties etc</u></b>			
10	4mm Diameter roof tie 2m girth bent double, with one end built into brickwork and other end fixed to timber	No	48
<b><u>Galvanised hoop iron cramps, ties, etc</u></b>			
11	30 x 1,6mm Roof tie 1,5m long with one end built into brickwork and other end fixed to timber	No	96
<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>			
12	Extra over brickwork for face brickwork	m2	253
13	Extra over brickwork for brick-on-edge header course lintel pointed on face and 115mm soffit	m	42
<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>			
14	180mm Wide sill set sloping and slightly projecting	m	42
<b><u>BRICK SUNDRIES</u></b>			
<b><u>Air ventilation, etc</u></b>			
15	255 x 220mm "Terracotta" or equally approved air bricks	No	3
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 4			
Masonry			
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Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 3</u></b>				
<b><u>BILL NO. 6</u></b>				
<b><u>ROOF COVERINGS, CLADDINGS, ETC</u></b>				
<u>PREAMBLES</u>				
<u>(For preambles refer to: Department of Public Works Specification materials and methods to be used "PW 371</u>				
<b><u>PROFILED SHEETING OF METAL, FIBRE-CEMENT, PLASTICS, ETC</u></b>				
<b><u>0,58mm IBR Profile roof sheeting at 17 degrees on insulation on 50 x 76mm timber purlins at 750mm centre to centre on prefabricated timber trusses to Engineer's detail and specification</u></b>				
1	m2	1,798		
2	m	143		
Carried Forward to Summary of Section No. 3				R
Section No. 3				
Bill No. 6				
Roof Coverings, Cladding, Etc				
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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</u>  <u>Specification materials and methods to be used "PW</u>  <u>371</u></p>				
<p><b>Carried Forward</b></p>				R
<p>Section No. 3  Bill No. 7  Carpentry And Joinery  <b>LINGELETHU PRIMARY SCHOOL</b></p>				

## Brought Forward

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### Roof trusses, etc.

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.

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

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

The design shall include for all live loads, wind loads and for dead loads imposed by roof covering, purlins, ceilings, etc

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

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

Roof trusses and bracing shall include design and preparation of shop drawings

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.

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Section No. 3

Bill No. 7

## Carpentry And Joinery

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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	144	
<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 156m2 on plan (Block ND).		Item	
4	Trusses for rectangular shaped building, size overall 308m2 on plan (Block NE).		Item	
<b><u>EAVES AND VERGES</u></b>				
<b><u>"Everite Flexit" or other equal and approved pressed nutec-cement</u></b>				
5	12 x 300mm Fascia or bargeboard	m	377	
<b><u>SKIRTINGS</u></b>				
<b><u>Wrought meranti</u></b>				
6	19 x 76mm Meranti skirting board, with 19mm Quarter round nailed to wall all nails to be punched and filled finished with two coats clear eggshell	m	679	
<b><u>DOORS, ETC</u></b>				
Carried Forward				R
Section No. 3 Bill No. 7 Carpentry And Joinery <b>LINGELETHU PRIMARY SCHOOL</b>				

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	Brought Forward			R	
	<b><u>813x2032x42mm braced back solid meranti framed and ledged door</u></b>				
7	Door D2 - Door size overall 813 x 2032mm high	No	15		
8	Door D3 - Door size overall 813 x 2032mm high	No	3		
9	Door D12 - Door size overall 813 x 2032mm high	No	3		
10	Door D15 - Door size overall 813 x 2032mm high	No	2		
	<b><u>813x2032x40mm thick heavy duty interior quality single solid core masonite flush timber door with 2 concealed edges to comply with sabs 54 interior grade.</u></b>				
11	Door D4, D8 - Door size overall 813 x 2 032mm high	No	10		
	<b><u>900x2032x42mm braced back solid meranti framed and ledged door</u></b>				
12	Door D11 - Door size overall 900 x 2032mm high	No	1		
	<b><u>1000x2032mm Strongroom Door by Mutual or similar and approved complete 8 Bolts of 40mm diameter – 4 front and 4 back boltwork and 7-Lever security keylock.</u></b>				
13	Door D5 - Door size overall 1000 x 2 032mm high	No	1		
	<b><u>Louvered timber folding sliding door</u></b>				
14	Door D17	No	1		
	<b><u>Galvanised standard steel door</u></b>				
15	Door D1, 1524x2134mm high	No	1		
	<b><u>BEADS, ARCHITRAVES, ETC</u></b>				
	Carried Forward			R	
	Section No. 3 Bill No. 7 Carpentry And Joinery <b>LINGELETHU PRIMARY SCHOOL</b>				



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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>				
	<u>PREAMBLES</u>				
	(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 Gypsum Board by Saint Gobain or similar and approved on 38x38 timber brandering (recommended suspension system, jointing and spacing to strict manufacturer's details).</u></b>				
1	Ceilings	m2	1,247		
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	4		
	<b><u>9mm Fibre cement ceiling or similar and approved on 38x38 timber brandering (recommended suspension system, jointing and spacing to strict manufacturer's details) on timber trusses</u></b>				
3	Ceilings	m2	33		
	<b><u>CORNICES, ETC.</u></b>				
	<b><u>"The Moulding Shop" or similar approved</u></b>				
4	90x90 mm Coved Polystyrene glue on cornice installed with paintable sealing glue to strict manufacturer's details.	m	679		
	<b>Carried Forward</b>			R	
	Section No. 3 Bill No. 8 Ceilings, Partitioning And Access Flooring <b>LINGELETHU PRIMARY SCHOOL</b>				

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Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b>				
	<b><u>BILL NO. 9</u></b>				
	<b><u>FLOOR COVERINGS, WALL LININGS, ETC.</u></b>				
	<u>PREAMBLES</u>				
	(For preambles refer to: Department of Public Works Specification materials and methods to be used "PW 371				
	<b><u>SKIRTINGS, NOSINGS, ETC</u></b>				
	<u>Timber skirting or similar approved</u>				
1	75x18mm skirting	m	679		
	<u>Coved skirting with "vuka lux solvent free epoxy" or similar approved</u>				
2	100mm high skirting	m	168		
	<b><u>FLOOR COVERINGS</u></b>				
	<b><u>Powerfloated concrete</u></b>				
3	To floors	m2	218		
	<b><u>Non-slip epoxy coating</u></b>				
4	3m Thick Vuka Flow Qartz epoxy in strict accordance with the technical data obtainable from Vuka Floors or similar and approved.	m2	33		
	<b><u>300 x 300 x 2.5mm "Floorflex" or similar approved semi-flexible vinyl floor tiles size</u></b>				
5	To floors	m2	1,029		
	<b><u>POLISH, SEALERS, ETC</u></b>				
6	Two coats wax polish on vinyl flooring	m2	1,062		
	<b>Carried Forward to Summary of Section No. 3</b>			R	
	Section No. 3				
	Bill No. 9				
	Floor Coverings				
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<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	No	30		
Code AL8253AS, Anodised silver aluminium rubber tipped hat and coat hook				
<b><u>LOCKS</u></b>				
<b><u>"Union" or similar approved</u></b>				
2	No	37		
4 lever mortice lockset and solid chrome plated handles				
3	No	1		
Panic latch suitable for 900mm door(8901 push bar Single point panic latch(EN1125)				
<b><u>LETTERS, NAMEPLATES, ETC</u></b>				
4	No	37		
5mm x 100mm Black Plastic numbering screw and/ glue on fixed to external door or as per specialist details installed @ 1700mm AFFL				
<b><u>SUNDRIES</u></b>				
5	No	35		
Floor mounted AS Round Door Stop (AL8730AS)				
6	No	5		
900mm high SS kick plate				
<b><u>DOOR CLOSERS</u></b>				
<b>Carried Forward</b>				R
Section No. 3 Bill No. 10 Ironmongery <b>LINGELETHU PRIMARY SCHOOL</b>				

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	Brought Forward	R
"Dorma" or similar approved		
7 "TS73V EN 2-4 Regular Arm NON HOLD OPEN Door Closer - Adjustable Strenght, Hydraulic Speed Control. Pull Side Fixing (Silver) code:TS73V	No	24
PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC		
Vitrex" or other equal and approved vitreous enamelled writing boards, etc to SABS CSK-36-1980		
8 4800 x 1140mm Green chalk board	No	12
Best Board" or similar approved		
9 3000 x 1200mm Felt pinning board (FE1230)	No	12
Carried Forward to Summary of Section No. 3		R
Section No. 3 Bill No. 10 Ironmongery <b>LINGLELETHU PRIMARY SCHOOL</b>		

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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	37		
	<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	23		
	<b><u>ROLLERSTYLE ADD ON INTERNAL SURFACE MOUNT PRE-PAINTED ALUMINIUM ROLL-UP DOORS</u></b>				
3	2100x2125mm Purpose made Aluzinc White roller shutter door roller shutter door	No	1		
	<b>Carried Forward</b>			R	
	Section No. 3 Bill No. 11 Metalwork <b>LINGELETHU PRIMARY SCHOOL</b>				

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Brought Forward				R
<b><u>HOT DIPPED GALVANIZED PRESSED STEEL DOOR FRAMES</u></b>				
<b><u>1,2mm rebated frames suitable for half brick walls</u></b>				
4	Frame for door 813 x 2032mm high	No	13	
<b><u>1,2mm rebated frames suitable for one brick walls</u></b>				
5	Frame for door 813 x 2032mm high	No	21	
6	Frame for door 900 x 2032mm high	No	1	
7	Frame for door 1000 x 2032mm high	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>				
8	Window type 9DT12, 889 x 1248mm high	No	33	
9	Window type 9B12, 889 x 854mm high	No	8	
10	Window type 9T6B, 889 x 457mm high	No	4	
11	Window type W2, 1200 x 1190mm high	No	2	
<b>Carried Forward to Summary of Section No. 3</b>				R
Section No. 3				
Bill No. 11				
Metalwork				
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	<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	286		
2	110mm diameter rainwater pipes	m	38		
3	Extra over eaves gutter for angle	No	28		
4	Extra over eaves gutter for outlet for 100mm diameter pipe	No	14		
5	Extra over rainwater pipe for eaves or plinth offset 450mm projection	No	14		
6	Extra over rainwater pipe for shoe	No	14		
	<b><u>SANITARY FITTINGS</u></b>				
	<b><u>"Cobra" or similar approved</u></b>				
7	Kitchen Heritage: PA-870; installed to strict manufacturer's specifications, complete with 40mm raised cartridge T&F, controlled S-750-1, Handle S-PA870-2, Connection hoses C-M10X1/2 (SANS 1480).	No	2		
8	Star Chrome plated brass extended bibtap - 1/2" light pattern	No	6		
	<b>Carried Forward</b>			R	
	Section No. 3 Bill No. 13 Plumbing And Drainage <b>LINGELETHU PRIMARY SCHOOL</b>				

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Brought Forward				R
<b><u>"Franke" or similar approved</u></b>				
9	ET102 Double Fabricated Economy Type Washtrough, 1030x440x300mm deep. Unit to be manufactured from Grade 430 (17/10) Stainless Steel, 0,8mm gauge. Unit to be manufactured with a sloped front, with wash ridges and a 40mm waste outlet. Trough to be supplied with fixing lugs to mount the trough to the wall. (Bolts to specialist)	No	1	
10	ET101 Single Fabricated Economy Type Washtrough, 540x440x300mm deep or similar and approved. Unit to be manufactured from Grade 430 (17/10) Stainless Steel, 0,8mm gauge. Unit to be manufactured with a sloped front, with wash ridges and a 40mm waste outlet. Trough to be supplied with fixing lugs to mount the trough to the wall. (Bolts to specialist)	No	3	
<b>Carried Forward to Summary of Section No. 3</b>				R
Section No. 3				
Bill No. 13				
Plumbing And Drainage				
<b>LINGELETHU PRIMARY SCHOOL</b>				

**LINGELETHU PRIMARY 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. 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	47		
	<b>Carried Forward to Summary of Section No. 3</b>				
	Section No. 3 Bill No. 14 Glazing <b>LINGELETHU PRIMARY SCHOOL</b>			R	

**LINGELETHU PRIMARY 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. 15</u></b>				
	<b><u>PAINTWORK</u></b>				
	PREAMBLES				
	(For preambles refer to :Specification materials and methods to be used"PW 371)				
	<b><u>PAINTWORK ETC TO NEW WORK</u></b>				
	<b><u>ON FLOATED PLASTER</u></b>				
	<b><u>Two coats superior quality acrylic emulsion paint for interior and exterior use</u></b>				
1	On internal walls	m2	1,168		
	<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>				
2	Ceiling and beams	m2	1,280		
	<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>				
3	On door frames	m2	42		
4	On windows with burglar bars	m2	47		
5	On gates, grilles, burglar screens, balustrades, etc. (both side measured over the full flat area)	m2	39		
	<b><u>ON WOOD SURFACES</u></b>				
	<b>Carried Forward</b>			R	
	Section No. 3 Bill No. 15 Paintwork <b>LINGELETHU PRIMARY SCHOOL</b>				

LINGELETHU PRIMARY SCHOOL  
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PROVISIONAL BILL OF QUANTITIES

Brought Forward				R
<u>Three coats superior quality clear gloss varnish</u>				
6	On doors	m2	137	
7	Skirtings, rails, etc in narrow girths.	m	1,358	
<u>FIBRE CEMENT</u>				
<u>Prepare, stop and apply one coat alkali resistant primer, one coat universal undercoat and two finishing coats of acrylic emulsion paint on:</u>				
8	Fascia and barge boards.	m2	114	
Carried Forward to Summary of Section No. 3				R
Section No. 3				
Bill No. 15				
Paintwork				
LINGELETHU PRIMARY SCHOOL				

**LINGELETHU PRIMARY SCHOOL  
ASBESTOS REPLACEMENT PROGRAMME - 420  
PROVISIONAL BILL OF QUANTITIES**

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>LINGELETHU PRIMARY SCHOOL</b>				

**LINGELETHU PRIMARY SCHOOL  
ASBESTOS REPLACEMENT PROGRAMME - 420  
PROVISIONAL BILL OF QUANTITIES**

<b>Brought Forward</b>		<b>R</b>	
<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 R100000.00 for CLO to be deducted in portion of R 10 000.00 per month for 10months	Item	100,000.00
2	Allow for Profit	%	
3	Allow for attendance	%	
<b>Carried Forward</b>		<b>R</b>	
Section No. 3 Bill No. 16 Provisional Sums <b>LINGELETHU PRIMARY SCHOOL</b>			



**LINGELETHU PRIMARY SCHOOL**  
**ASBESTOS REPLACEMENT PROGRAMME - 420**  
**PROVISIONAL BILL OF QUANTITIES**

Brought Forward		R	
<b><u>MECHANICAL INSTALLATION</u></b>			
4	Provide a sum of R 369 272.00 (Three Hundred and Sixty Nine Thousand Two Hundred and Seventy Two Rand7s) for Mechanical Installation to be expended as the Principal Agent may direct or deducted in whole or in part, if not required	Item	369,272.00
5	Allow for Profit	%	
6	Allow for attendance	%	
<b><u>ELECTRICAL INSTALLATION</u></b>			
7	Provide a sum of R 1 784 730 (One Million Seven Hundred and Eighty Four Thousand Seven hundred and Thirty Rands) for Electrical Installation to be expended as the Principal Agent may direct or deducted in whole or in part, if not required	Item	1,784,730.00
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>LINGELETHU PRIMARY SCHOOL</b>			

**KwaZulu Natal Department of Education**  
**Asbestos Replacement**  
**Lingelethu SS**

Item No			Quantity	Rate	Amount R
	CPG Bill of Quantities:				
	<p><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></p> <p><b>MINIMUM TARGETED LOCAL BUILDING MATERIAL MANUFACTURERS</b></p> <p>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</p> <p>Allowance for profit and attendance, all inclusive of associated costs to the contractor for implementation.</p> <p>Allowance for attendance all inclusive of associated costs to the contractor for implementation.</p> <p><b>MINIMUM TARGETED LOCAL BUILDING MATERIAL SUPPLIERS</b></p> <p>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</p> <p>Allowance for profit and attendance, all inclusive of associated costs to the contractor for implementation.</p> <p>Allowance for attendance all inclusive of associated costs to the contractor for implementation</p> <p><b>Carried Forward to Summary of Section No.</b></p> <p>Provisional Sums</p>	PS	1	R26 973,52	R26 973,52
		%			
		%			
		PS	1	R26 973,52	R26 973,52
		%			
		%			
				R	

**KwaZulu Natal Department of Education  
Asbestos Replacement  
Lingelethu SS**

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	R269 735,24	R269 735,24
	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				

<p><b>MINIMUM 30% SUB-CONTRACTING</b></p> <p>Provision is made for 30% subcontracting to SMMEs in the execution of this project as described in C3.1 Project Specifications . This is the contractors allowance for the P&amp;G's for the 30% sub-contractors (SMME's).The Employer will define the actual P&amp;G items applicable to the SMME's after tender award</p>	PS	1	R279 175,97	R279 175,97
<p>Allowance for profit and attendance, all inclusive of associated costs to the contractor for implementation.</p>	%			
<p>Allowance for attendance all inclusive of associated costs to the contractor for implementation.</p>	%			
<p><b>Carried Forward to Summary of Section No.</b></p>				
<p>SECTION NO.3 - PROVISIONAL SUMS</p> <p>Bill No. 1</p> <p>Provisional Sums</p>			R	

**LINGELETHU PRIMARY SCHOOL  
ASBESTOS REPLACEMENT PROGRAMME - 420  
PROVISIONAL BILL OF QUANTITIES**

[illegible]

**LINGELETHU PRIMARY SCHOOL  
ASBESTOS REPLACEMENT PROGRAMME - 420  
PROVISIONAL BILL OF QUANTITIES**

Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 4</u></b>				
<b><u>BILL No. 1</u></b>				
<b><u>EXTERNAL WORKS - ABLUTIONS</u></b>				
<u>PREAMBLES</u>				
<u>(For preambles refer to: Department of Public Works Specification materials and methods to be used "PW 371</u>				
<b><u>RAINWATER TANKS AND STANDS</u></b>				
<b><u>Excavations, Filling, Etc</u></b>				
1	Excavate in earth for trenches	m3	4	
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	17	
4	Clean, dry, sand filling, selected and supplied, deposited, watered and consolidated in 50mm thick blinding layer under floors, etc.	m3	1	
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	42	
<b>Carried Forward</b>			R	
Section No. 4 Bill No. 1 Ablutions <b>LINGELETHU PRIMARY SCHOOL</b>				

**LINGELETHU PRIMARY SCHOOL**  
**ASBESTOS REPLACEMENT PROGRAMME - 420**  
**PROVISIONAL BILL OF QUANTITIES**

<b>Brought Forward</b>					<b>R</b>
<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	8		
<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. 245 to concrete walkways, slabs, etc.	m2	29		
11	High tensile steel mesh Ref. 500 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	60		
<b><u>BRICK REINFORCEMENT:</u></b>					
15	150mm Wide reinforcement built in horizontally	m	356		
<b>Carried Forward</b>					<b>R</b>
Section No. 4 Bill No. 1 Ablutions <b>LINGELETHU PRIMARY SCHOOL</b>					

LINGELETHU PRIMARY SCHOOL  
ASBESTOS REPLACEMENT PROGRAMME - 420  
PROVISIONAL BILL OF QUANTITIES

	Brought Forward			R
	<b><u>ONE LAYER 375MICRON EMBOSSED DAMPPROOF SHEETING</u></b>			
16	Under surface beds.	m2	29	
	<b><u>FACE BRICKWORK</u></b>			
	<b><u>Allow The Prime Cost Of R 5000,00 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	44	
	<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	4	
	<b><u>TAPS</u></b>			
	<b><u>Lockable tap cover provided with padlock</u></b>			
19	Water tank taps with padlock.	No	4	
<b>Carried Forward to Summary of Section No. 4</b>				R
Section No. 4				
Bill No. 1				
Ablutions				
<b>LINGELETHU PRIMARY SCHOOL</b>				



Item No	Unit	Quantity	Rate	Amount
<p><b><u>SECTION NO. 4</u></b></p> <p><b><u>BILL NO. 2</u></b></p> <p><b><u>EXTERNAL WORKS - OTHER BUILDINGS</u></b></p> <p><b><u>GENERAL SITE WORKS</u></b></p> <p><b><u>All excavations are measured as being in "earth" and/or filling compacted to 93% modified AASHTO density</u></b></p> <p><u>Descriptions of excavations shall be deemed to include for setting aside surplus excavated material in spoil heaps for use as filling or for depositing within 150m of the perimeter of the excavations and spreading and roughly levelling as directed, as well as for increase in bulk and multiple handling of excavated material caused by the Contractor's method of operation</u></p> <p><u>Open face excavation in earth over sloping site</u></p> <p><b><u>PARKING AND PAVING</u></b></p> <p><u>All excavations are measured as being in "earth" and/or filling compacted to 93% modified AASHTO density</u></p> <p><u>Descriptions of excavations shall be deemed to include for setting aside surplus excavated material in spoil heaps for use as filling or for depositing within 150m of the perimeter of the excavations and spreading and roughly levelling as directed, as well as for increase in bulk and multiple handling of excavated material caused by the Contractor's method of operation</u></p> <p><u>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site and for bulking</u></p> <p><b><u>EARTHWORKS</u></b></p>				
<p style="text-align: right;"><b>Carried Forward</b></p>				<p style="text-align: center;">R</p>
<p>Section No. 4  Bill No. 2  Other Buildings  <b>LINGELETHU PRIMARY SCHOOL</b></p>				

**LINGELETHU PRIMARY SCHOOL**  
**ASBESTOS REPLACEMENT PROGRAMME - 420**  
**PROVISIONAL BILL OF QUANTITIES**

<b>Brought Forward</b>				<b>R</b>	
<b><u>RAINWATER TANKS AND STANDS</u></b>					
<b><u>Excavations, Filling, Etc</u></b>					
1	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	416		
2	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	125		
3	Extra over open face excavations in earth for excavations in soft rock	m3	62		
4	Extra over open face excavations in earth for excavations in hard rock	m3	21		
5	Allow for keeping excavations free of all water other than subterranean water Filling, etc.		Item		
6	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	238		
7	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	178		
8	Excavate in earth for trenches	m3	8		
9	Allow for keeping excavations free from water.		Item		
10	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	27		
<b>Carried Forward</b>				<b>R</b>	
Section No. 4 Bill No. 2 Other Buildings <b>LINGELETHU PRIMARY SCHOOL</b>					

**LINGELETHU PRIMARY SCHOOL**  
**ASBESTOS REPLACEMENT PROGRAMME - 420**  
**PROVISIONAL BILL OF QUANTITIES**

	<b>Brought Forward</b>			<b>R</b>	
11	Clean, dry, sand filling, selected and supplied, deposited, watered and consolidated in 50mm thick blinding layer under floors, etc.	m3	2		
12	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	45		
13	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	45		
	<b><u>STABILIZATION</u></b>				
14	Chemical stabilization extra over unstabilized compacted layer with Grade 32,5N Type CEM ii upto 3%	t	13.00		
15	25mm Thick clean, dry, river sand layer treated with an approved weed killer at the rate of 50 grams per square metre, spread and levelled to receive paving blocks (elsewhere)	m3	30		
16	Tests to determine the degree of compaction, etc. of ground or filling	No	356		
	<b><u>PRECAST CONCRETE</u></b>				
17	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	1,188		
	<b>Carried Forward</b>			<b>R</b>	
	Section No. 4 Bill No. 2 Other Buildings <b>LINGELETHU PRIMARY SCHOOL</b>				

**LINGELETHU PRIMARY SCHOOL**  
**ASBESTOS REPLACEMENT PROGRAMME - 420**  
**PROVISIONAL BILL OF QUANTITIES**

	<b>Brought Forward</b>			<b>R</b>	
18	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	763		
	<b><u>TESTING</u></b>				
19	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	12		
	<b><u>Reinforced Cement Concrete (25MPa) In</u></b>				
20	Footings.	m3	8		
21	Cement concrete in water tank stands and raft slabs cast in panels not exceeding 6m2.	m3	14		
	<b><u>Fabric Reinforcement To Concrete Work</u></b>				
22	High tensile steel mesh Ref. 245 to concrete walkways, slabs, etc.	m2	45		
23	High tensile steel mesh Ref. 500 to concrete walkways, slabs, etc.	m2	45		
	<b><u>Sundries</u></b>				
24	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	45		
	<b><u>Rough Formwork To</u></b>				
25	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	65		
	<b>Carried Forward</b>			<b>R</b>	
	Section No. 4 Bill No. 2 Other Buildings <b>LINGELETHU PRIMARY SCHOOL</b>				

**LINGELETHU PRIMARY SCHOOL  
ASBESTOS REPLACEMENT PROGRAMME - 420  
PROVISIONAL BILL OF QUANTITIES**

	<b>Brought Forward</b>			<b>R</b>	
	<b><u>Brickwork In Clay Bricks In Cement Mortar In</u></b>				
26	One brick wall.	m2	65		
	<b><u>BRICK REINFORCEMENT:</u></b>				
27	150mm Wide reinforcement built in horizontally	m	254		
	<b><u>ONE LAYER 375MICRON EMBOSSED DAMPPROOF SHEETING</u></b>				
28	Under surface beds.	m2	45		
	<b><u>FACE BRICKWORK</u></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>				
29	Extra over ordinary brickwork for face brickwork.	m2	39		
	<b><u>PLUMBING</u></b>				
	<b><u>Water Storage Tanks</u></b>				
30	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>				
31	Water tank taps with padlock.	No	8		
	<b><u>WELDED SECURITY FENCING</u></b>				
	<b>Carried Forward</b>			<b>R</b>	
	Section No. 4 Bill No. 2 Other Buildings <b>LINGELETHU PRIMARY SCHOOL</b>				

**LINGELETHU PRIMARY SCHOOL  
ASBESTOS REPLACEMENT PROGRAMME - 420  
PROVISIONAL BILL OF QUANTITIES**

<b>Brought Forward</b>					<b>R</b>
	<b><u>"ClearVu" similar approved Category 3 Security Fencing System, Black colour</u></b>				
32	Fencing comprising of steel mesh panels size 3297 x 2400mm 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	543		
	<b><u>"ClearVu" Gate and Posts, etc.</u></b>				
33	Clearview Sliding Gate 2400mmx2400mm Complete with posts including all accessories and installed in accordance with manufacturer's instructions	No	1		
	<b><u>PRECAST CONCRETE</u></b>				
34	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	1,188		
<b>Carried Forward</b>					<b>R</b>
Section No. 4 Bill No. 2 Other Buildings <b>LINGELETHU PRIMARY SCHOOL</b>					

**LINGELETHU PRIMARY SCHOOL**  
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**PROVISIONAL BILL OF QUANTITIES**

	<b>Brought Forward</b>			<b>R</b>	
35	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	763		
	<b><u>STORMWATER DRAINAGE</u></b>				
	<u>All excavations are measured as being in "earth" and/or filling compacted to 98% modified AASHTO density</u>				
	<u>Mass concrete with a coarse aggregate of 19mm and a minimum compressive strength of 30MPa at 28 days</u>				
36	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 soft board 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	100		
	<b><u>EARTHWORKS</u></b>				
37	Excavation exceeding 1m and not exceeding 2m deep for pipe trenches	m3	131		
38	Selected sand filling supplied by the contractor in bedding under and filling around pipes	m3	7		
39	600mm Diameter concrete pipes Class 50D concrete pipes with interlocking joints	m	66		
40	Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density	m3	87		
	<b>Carried Forward</b>			<b>R</b>	
	Section No. 4 Bill No. 2 Other Buildings <b>LINGELETHU PRIMARY SCHOOL</b>				

**LINGELETHU PRIMARY SCHOOL  
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**LINGELETHU PRIMARY SCHOOL  
ASBESTOS REPLACEMENT PROGRAMME - 420  
PROVISIONAL BILL OF QUANTITIES**

SECTION SUMMARY - EXTERNAL WORKS		Page No	Amount
1	Ablutions	116	
2	Other Buildings	124	
Carried to Final Summary			R
Section No. 4			
LINGELETHU PRIMARY SCHOOL			

**LINGELETHU PRIMARY SCHOOL  
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Section No	<u>FINAL SUMMARY</u>	Page No	Amount
1	PRELIMINARIES	50	
2	ABLUTIONS	76	
3	OTHER BUILDINGS	113	
4	EXTERNAL WORKS	125	
	SUBTOTAL BUILDING WORKS		R
	CONTINGENCIES_AT_5%	Item	
	SUBTOTAL INCLUDING CONTINGENCIES		R
	Add VAT @15%		R
	<b>Carried to Form of Tender</b> <b>LINGELETHU PRIMARY SCHOOL</b>		R

## SECTION B - LUSIBAKHULU HS 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>Section No. 1 Bill No. 1 Preliminaries <b>LUSIBAKHULU 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>			R	
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 1 Bill No. 1 Preliminaries <b>LUSIBAKHULU SCHOOL</b></p>			R	

<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: center;">R</p>
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 1 Bill No. 1 Preliminaries <b>LUSIBAKHULU SCHOOL</b></p>					<p style="text-align: center;">R</p>

LUSIBAKHULU HIGH SCHOOL  
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	<b>Brought Forward</b>			R	
	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>			R	
	Section No. 1 Bill No. 1 Preliminaries <b>LUSIBAKHULU SCHOOL</b>				

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	<b>Brought Forward</b>			<b>R</b>	
	<b>A4.0 DESIGN RESPONSIBILITY</b>				
	Clause 4.0				
5	Clause 4.3 is amended by replacing it with the following:	Item			
6	No clause	Item			
7	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>A5.0 EMPLOYER'S AGENTS</b>				
	Clause 5.0				
	Clause 5.1.2 is amended to include clauses 32.6.3, 34.3, 34.4 and 38.5.8				
8	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>A6.0 SITE REPRESENTATIVE</b>				
	Clause 6.0				
9	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>A7.0 COMPLIANCE WITH REGULATIONS</b>				
	Clause 7.0				
	Note: A separate clause has been included in Section C: Specific Preliminaries of the <b>bills of quantities</b> for the <b>contractor</b> to have the opportunity to price for all the requirements of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification				
10	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>A8.0 WORKS RISK</b>				
	<b>Carried Forward</b>			<b>R</b>	
	Section No. 1				
	Bill No. 1				
	Preliminaries				
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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	
	Section No. 1 Bill No. 1 Preliminaries <b>LUSIBAKHULU SCHOOL</b>				

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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>					<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>LUSIBAKHULU SCHOOL</b></p>					<p style="text-align: center;">R</p>

<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	
<p>Section No. 1 Bill No. 1 Preliminaries <b>LUSIBAKHULU SCHOOL</b></p>				

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	<b>Brought Forward</b>			R	
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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## Brought Forward

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14.2 In respect of contracts with a contract sum above R1 million, the **contractor** shall have the right to select the **security** to be provided in terms of 14.3, 14.4, 14.5, 14.6, or 14.7 as stated in the **schedule**. Such **security** shall be provided to the employer within twenty-one (21) calendar days from the commencement date. should the **contractor** fail to select the security to be provided or should the **contractor** fail to provide the **employer** with the selected **security** within twenty-one (21) **calendar days from commencement date**, the **security** in terms of 14.7 shall be deemed to have been selected.

14.3 Where **security** as a cash deposit of ten per cent (10%) of the **contract sum** (excluding VAT) has been selected

14.3.1 The **contractor** shall furnish the **employer** with a cash deposit equal in value to ten per cent (10%) of the **contract sum** (excluding VAT) within twenty-one (21) **calendar days** from **commencement date**

14.3.2 Within twenty-one (21) **calendar days** of the date of **practical completion** of the **works** the **employer** shall reduce the cash deposit to an amount equal to three per cent (3%) of the **contract value** (excluding VAT), and refund the balance to the **contractor**.

14.3.3 Within twenty-one (21) **calendar days** of the date of **final completion** of the works the employer shall reduce the cash deposit to an amount equal to one per cent (1%) of the **contract value** (excluding VAT) and refund the balance to the **contractor**.

**14.3.4 On the date of payment of the amount in the final payment certificate, the employer shall refund the remainder of the cash deposit to the contractor**

14.3.5 The **employer** shall be entitled to recover expense and loss from the cash deposit in terms of 33.0 provided that the **employer** complies with the provisions of 33.4 in which event the **employer's** entitlement shall take precedence over his obligations to refund the cash deposit **security** or portions thereof of the **contractor**.

**Carried Forward**

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<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>					<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>LUSIBAKHULU SCHOOL</b></p>					<p style="text-align: center;">R</p>

<b>Brought Forward</b>	R	
<p>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.</p> <p>14.5.4 The payment reduction of the value certified in a <b>payment certificate</b> shall be in terms of 31.8 (A) and 34.8</p> <p>14.5.5 Where the <b>employer</b> has 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.</p> <p>14.6 Where <b>security</b> as a cash deposit of five per cent (5%) of the <b>contract sum</b> (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the <b>payment certificate</b> (excluding VAT) has been selected:</p> <p>14.6.1 The <b>contractor</b> shall furnish the <b>employer</b> with a cash deposit equal in 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>.</p> <p>14.6.2 Within twenty-one (21) <b>calendar days</b> of the date of <b>practical completion</b> of the <b>works</b> the <b>employer</b> shall refund the cash deposit in total to the <b>contractor</b>.</p> <p>14.6.3 The payment reduction of the value certified in a <b>payment certificate</b> shall be <i>mutatis mutandi</i> in terms of 31.8(A)</p> <p>14.6.4 Where the <b>employer</b> has 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.</p> <p>14.7 Where <b>security</b> as a payment reduction of ten per cent (10%) of the value certified in the <b>payment certificate</b> (excluding VAT) has been selected:</p> <p>14.7.1 The payment reduction of the value certified in a <b>payment certificate</b> shall be <i>mutatis mutandi</i> in terms of 31.8(B)</p>		
<b>Carried Forward</b>	R	
<p>Section No. 1 Bill No. 1 Preliminaries <b>LUSIBAKHULU SCHOOL</b></p>		



	<b>Brought Forward</b>			R	
	<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>			R	
	<p>Section No. 1 Bill No. 1 Preliminaries <b>LUSIBAKHULU SCHOOL</b></p>				

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**ASBESTOS REPLACEMENT PROGRAMME - 420**  
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	Brought Forward		R
	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	
	A16.0 ACCESS TO THE WORKS		
	Clause 16.0		
18	Fixed_____Value Related_____Time Related_____	Item	
	A17.0 CONTRACT INSTRUCTIONS		
	Clause 17.0		
	Clause 17.1.11 is amended by deleting the words "and the appointment of <b>nominated</b> and <b>selected</b> <b>subcontractors</b> "		
19	Fixed_____Value Related_____Time Related_____	Item	
	A18.0 SETTING OUT OF THE WORKS		
	Clause 18.0		
20	Fixed_____Value Related_____Time Related_____	Item	
	A19.0 ASSIGNMENT		
	Clause 19.0		
21	Fixed_____Value Related_____Time Related_____	Item	
	A20.0 NOMINATED SUB-CONTRACTORS		
	Clause 20.0		
	Carried Forward		R
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	Brought Forward		R	
26	Fixed_____Value Related_____Time Related_____	Item		
	A25.0 WORKS COMPLETION			
	Clause 25.0			
27	Fixed_____Value Related_____Time Related_____	Item		
	A26.0 FINAL COMPLETION			
	Clause 26.0			
	Clause 26.1.2 is amended by inserting "#" next to 26.1.2			
28	Fixed_____Value Related_____Time Related_____	Item		
	A27.0 LATENT DEFECTS LIABILITY PERIOD			
29	Clause 27.0	Item		
30	Fixed_____Value Related_____Time Related_____	Item		
	A28.0 SECTIONAL COMPLETION			
31	Clause 28.0	Item		
32	Fixed_____Value Related_____Time Related_____	Item		
	A29.0 REVISION OF DATE FOR PRACTICAL COMPLETION			
	Clause 29.0			
33	Clause 29.2.5 is amended by replacing it with:	Item		
34	No clause	Item		
	Carried Forward		R	
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	<b>Brought Forward</b>			<b>R</b>	
35	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>A30.0 PENALTY FOR NON-COMPLETION</b>				
	Clause 30.0				
	R7 800 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>			<b>R</b>	
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31.8(A).3 Ninety-nine per cent (99%) of such value in interim **payment certificates** issued on the date of **final completion** and up to but excluding the final **payment certificate** in terms of 34.6

31.8(A).4 One hundred per cent (100%) of such value in the final **payment certificate** in terms of 34.6 except where the amount certified is in favour of the **employer**. In such an event the payment reduction shall remain at the adjustment level applicable to the final **payment certificate**.

## Alternative B

31.8(B) Where **security** as a payment reduction in terms of 14.7 has been selected, the value of the **works** in terms of 31.4.1 and **materials and goods** in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:

31.8(B).1 Ninety per cent (90%) of such value in interim **payment certificates** issued up to the date of **practical completion**

31.8(B).2 Ninety-seven per cent (97%) of such value in interim **payment certificates** issued on the date of **practical completion** and up to but excluding the date of **final completion**

31.8(B).3 Ninety-nine per cent (99%) of such value in interim **payment certificates** issued on the date of **final completion** and up to but excluding the **final payment certificate** in terms of 34.6

31.8(B).4 One hundred per cent (100%) of such value in the final **payment certificate** in terms of 34.6 except where the amount certified is in favour of the **employer**. In such an event the payment reduction shall remain at the adjustment level applicable to the **final payment certificate**

Clause31.12 is amended by deleting the following:

**Carried Forward**

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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>			R	
	<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>			R	
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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>LUSIBAKHULU SCHOOL</b></p>				

	<b>Brought Forward</b>			R	
	<b>A39.0 CANCELLATION - CESSATION OF THE WORKS</b>  Clause 39.0  Clause 39.3.5 is amended by the addition of the following at the end of the sentence:  "within one hundred and twenty (120) <b>working days</b> of completion of such a report"				
48	Fixed_____Value Related_____Time Related_____	Item			
	<b>DISPUTE</b>  <b>A40.0 DISPUTE SETTLEMENT</b>  Clause 40.0  Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years"  Clause 40.6 is amended by removing the reference to:  No Clause  Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following:  Whether or not mediation resolves the dispute, the parties shall bear their own costs concerning the mediation and equally share the costs of the <b>mediator</b> and related costs				
49	Fixed_____Value Related_____Time Related_____	Item			
	<b>SUBSTITUTE PROVISIONS</b>  <b>A41.0 STATE CLAUSES</b>  Clause 41.0				
	<b>Carried Forward</b>			R	
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	Brought Forward		R
50	Fixed_____Value Related_____Time Related_____  CONTRACT DATA  A42.0 PRE-TENDER INFORMATION	Item	
51	Fixed_____Value Related_____Time Related_____  Clause 42.1 CONTRACTING AND OTHER PARTIES  42.1.1  Employer:  Development Bank of Southern Africa 1258 Lever Road, Headway Hill, Midrand, 1685  42.1.2 Principal Agent:  N/A  Clause 42.2 CONTRACT DETAILS  42.2.1 Works Description  Repairs and Renovations, Upgrading And Alterations to the Lusibakhulu High School	Item	
	Carried Forward		R
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<p style="text-align: right;"><b>Brought Forward</b></p> <p>42.2.2 Site Description</p> <p>Lusibakhulu High School KwaZulu Natal</p> <p>GPS Coordinates: 30° 21' 43.668" S, 30° 17' 26.614" E</p> <p>42.2.3 Work or installations by others N/A</p> <p>42.2.4 This agreement is for government contract where there are specific options that are applicable to a <b>STATE</b> organ only</p> <p>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.</p> <p>42.2.6 Period for the commencement of the works after the contractor takes possession of the site shall be seven (7) days.</p> <p>42.2.7 Completion of the work as a whole will be required;</p> <p>42.2.8 For the works <b>as a whole</b> the intended date of practical completion and penalty per calendar day shall be:</p> <p><b>Penalty Amount</b> R7 800 / calendar day</p> <p><b>Date</b> The date for practical completion is Eight <b>(8) months</b> after site handover.</p>			R	
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 1 Bill No. 1 Preliminaries <b>LUSIBAKHULU SCHOOL</b></p>			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>			R	
	<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>			R	
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	<b>Brought Forward</b>			R	
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>			R	
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	<b>Brought Forward</b>			<b>R</b>	
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>			<b>R</b>	
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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
77	<p><b>B5.3 Shop drawings</b></p> <p>Notwithstanding the content of this clause, will the following be specific shop drawing requirements that needs to be complied with.</p> <p>Specific shop drawings of routes, elevations and details required</p> <ul style="list-style-type: none"> <li>- All steel work</li> <li>- Roof construction</li> <li>- All electrical work</li> </ul> <p>Fixed_____Value Related_____Time Related_____</p>	Item	
78	<p><b>B5.4 Compliance with manufacture's instructions</b></p> <p>Fixed_____Value Related _____Time Related_____</p>	Item	
	<b>B6.0 TEMPORARY WORKS AND PLANT</b>		
79	<p><b>B6.1 Deposits and fees</b></p> <p>Fixed_____Value Related _____Time Related_____</p>	Item	
80	<p><b>B6.2 Enclosure of the works</b></p> <p>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.</p> <p>Fixed_____Value Related_____Time Related_____</p>	Item	
	<p><b>B6.3 Advertising</b></p> <p>Fixed_____Value Related_____Time Related_____</p>		
Carried Forward			R
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	<b>Brought Forward</b>			R	
	<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>			R	
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	<b>Brought Forward</b>			R	
	<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</b> <b>quantities / lump sum document</b> "				
	<b>Carried Forward</b>			R	
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	<b>Brought Forward</b>			<b>R</b>	
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</b> <b>YES</b>				
97	Fixed _____ Value Related _____ Time Related _____	Item			
	<b>B11.2 Protection / isolation of existing / sectionally occupied works</b> <b>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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**PROVISIONAL BILL OF QUANTITIES**

Brought Forward			R
103	Fixed _____ Value Related _____ Time Related _____	Item	
	<b>B11.8 Vermin</b>		
104	Fixed _____ Value Related _____ Time Related _____	Item	
	<b>B11.9 Overhand work</b>		
105	Fixed _____ Value Related _____ Time Related _____	Item	
	<b>B11.10 Instruction manuals and guarantees</b>		
106	Fixed _____ Value Related _____ Time Related _____	Item	
	<b>B11.11 As built information</b>		
107	Fixed _____ Value Related _____ Time Related _____	Item	
	<b>B11.12 Tenant installations</b>		
108	Fixed _____ Value Related _____ Time Related _____	Item	
	<b>B12.0 SCHEDULE OF VARIABLES</b>		
	<b>B12.1 Schedule of variables</b>		
109	Fixed _____ Value Related _____ Time Related _____	Item	
Carried Forward			R
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Brought Forward		R
<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>		
<p><b>12.1 PRE-TENDER INFORMATION</b></p> <p><b>12.1.1 Provisional Bills of Quantities</b></p> <p>(2.2) The quantities are provisional YES</p> <p><b>12.1.2 Availability of construction documentation</b></p> <p>(2.3) Construction documentation is complete NO</p> <p><b>12.1.3 Interest of agents</b></p> <p>(2.4) Details</p> <p><b>12.1.4 Defined works area</b> (3.1)</p> <p>The works are to be constructed on an existing operational court building</p> <p><b>12.1.5 Geotechnical investigation</b> (3.2) Details:</p> <p>Included in the tender document</p>		
Carried Forward		R
<p>Section No. 1 Bill No. 1 Preliminaries <b>LUSIBAKHULU SCHOOL</b></p>		

<b>Brought Forward</b>			R	
<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>				
<b>Carried Forward</b>			R	
<p>Section No. 1  Bill No. 1  Preliminaries  <b>LUSIBAKHULU SCHOOL</b></p>				



<p style="text-align: right;"><b>Brought Forward</b></p> <p>12.1.14 <b>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>12.1.15 <b>Subcontractors' notice board</b> [6.5] A notice board is required Specific requirements No</p> <p>12.1.16 <b>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>12.1.17 <b>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>12.1.18 <b>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>	<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>LUSIBAKHULU SCHOOL</b></p>	<p style="text-align: right;">R</p>

<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</b>				
<b>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
Option B (detailed breakdown)				YES/NO

	<b>Brought Forward</b>			R	
	<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>			R	
	<p>Section No. 1 Bill No. 1 Preliminaries <b>LUSIBAKHULU SCHOOL</b></p>				

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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>			<b>R</b>	
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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>	
	<p>Section No. 1  Bill No. 1  Preliminaries  <b>LUSIBAKHULU SCHOOL</b></p>				

	<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>				
	<b>Carried Forward</b>			R	
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	<b>Brought Forward</b>			R	
124	<p>Clause 10.6</p> <p>Fixed_____Value Related_____Time Related_____</p> <p>C11.0 OCCUPATIONAL HEALTH AND SAFETY ACT</p> <p>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).</p> <p>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>.</p> <p>The <b>contractor</b> must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the <b>principal agent</b>, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the the right to delay issuing any progress <b>payment certificate</b> until the <b>contractor</b> provides satisfactory proof of compliance. The <b>contractor</b> shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.</p> <p>Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained</p>	Item			
125	<p>Fixed_____Value Related_____Time Related_____</p>	Item			
	<b>Carried Forward</b>			R	
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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			
	<b>Carried Forward</b>			<b>R</b>	
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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>	
	Section No. 1 Bill No. 1 Preliminaries <b>LUSIBAKHULU SCHOOL</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			
<p><b>C12.0 EMPLOYMENT AND TRAINING OF YOUTH WORKERS ON THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP) INFRASTRUCTURE PROJECTS: NATIONAL YOUTH SERVICE (NYS)</b></p> <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>			<b>R</b>	
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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			
	<b>Carried to Final Summary</b>			R	
	<p>Section No. 1 Bill No. 1 Preliminaries <b>LUSIBAKHULU SCHOOL</b></p>				

Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 2</u></b>				
<b><u>BILL NO. 1</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	147	
2				
	Stripping average 150mm thick layer of vegetable soil including carting away to a dumping site to be located by the contractor	m2	147	
<b><u>EXCAVATION, FILLING, ETC</u></b>				
<b><u>Excavation in earth not exceeding 2m deep</u></b>				
3				
	Trenches	m3	27	
4				
	Trenches and holes for thickening under surface beds, etc	m3	160	
<b><u>Extra over trench and hole excavations in earth for excavation in</u></b>				
5				
	Soft rock	m3	17	
6				
	Hard rock	m3	35	
<b>Carried Forward</b>				R
Section No. 2 Bill No. 1 Earthworks <b>LUSIBAKHULU 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	171
<b><u>Risk of collapse of excavations</u></b>			
8	Sides of trench and hole excavations not exceeding 1,5m deep	m2	217
<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	34
<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	31
12	Backfilling to trenches, holes, etc	m3	11
<b><u>G5 material supplied by the contractor compacted to 93% Mod AASHTO density</u></b>			
13	Under floors, steps, pavings, etc.	m3	33
<b><u>Coarse river sand filling supplied by the contractor</u></b>			
14	Under floors, steps, paving, etc	m3	10
Carried Forward			R
Section No. 2 Bill No. 1 Earthworks <b>LUSIBAKHULU SCHOOL</b>			

**LUSIBAKHULU HIGH SCHOOL  
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Brought Forward			R
<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	229
<b><u>Prescribed density tests on filling</u></b>			
16	"Modified AASHTO Density" test	No	9
<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	126
18	To bottoms of trenches	m2	123
Carried Forward to Summary of Section No. 2			R
Section No. 2 Bill No. 1 Earthworks <b>LUSIBAKHULU SCHOOL</b>			



Item No	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 2</u></b>				
<b><u>BILL NO. 2</u></b>				
<b><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></b>				
<u>PREAMBLES</u>				
(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	22	
2	Bases	m3	0.1	
3	Toilet pit slabs	m3	16	
<b><u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u></b>				
<b><u>25MPa/19mm concrete</u></b>				
4	Surface beds on waterproofing	m3	13	
<b><u>TEST BLOCKS</u></b>				
5	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	18	
<b><u>ROUGH FORMWORK</u></b>				
<b><u>Rough formwork to sides surfaces</u></b>				
6	Vertical sides of slabs	m2	12	
<b>Carried Forward</b>				R
Section No. 2 Bill No. 2 Concrete, Formwork & Reinforcement <b>LUSIBAKHULU SCHOOL</b>				

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		<b>Brought Forward</b>		<b>R</b>	
<b><u>Rough formwork to soffits surfaces</u></b>					
7	Toilet pit slabs	m2	81		
<b><u>REINFORCEMENT (PROVISIONAL)</u></b>					
<b><u>Fabric reinforcement</u></b>					
8	Type 245 fabric reinforcement in concrete surface beds etc	m2	112		
9	Type 500 fabric reinforcement in concrete slabs, etc.	m2	96		
<b><u>REINFORCEMENT</u></b>					
<b><u>Mild steel reinforcement to structural concrete work</u></b>					
10	10mm Diameter bars	t	1.23		
<b><u>High tensile steel reinforcement to structural concrete work</u></b>					
11	12mm Diameter bars	t	1.23		
<b>Carried Forward to Summary of Section No. 2</b>				<b>R</b>	
Section No. 2					
Bill No. 2					
Concrete, Formwork & Reinforcement					
<b>LUSIBAKHULU SCHOOL</b>					

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Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>				
	<b><u>BILL NO. 3</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	164		
	<b><u>SUPERSTRUCTURE</u></b>				
	<b><u>Brickwork of NFP bricks in class II mortar</u></b>				
3	Half brick walls	m2	94		
4	Piers	m3	1		
5	Half brick walls in beamfilling.	m2	32		
6	One brick walls.	m2	209		
	<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	6		
	<b><u>Brickwork reinforcement</u></b>				
8	75mm Wide reinforcement built in horizontally	m	367		
	<b>Carried Forward</b>			R	
	Section No. 2 Bill No. 3 Masonry <b>LUSIBAKHULU SCHOOL</b>				

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Brought Forward			R
9	150mm Wide reinforcement built in horizontally	m	1,706
<b><u>Prestressed fabricated lintels</u></b>			
10	100 x 70mm Lintels in lengths not exceeding 3m.	m	106
<b><u>Turning pieces</u></b>			
11	115mm Wide turning pieces	m	23
12	230mm Wide turning pieces	m	8
<b><u>Galvanised wire ties etc</u></b>			
13	4mm Diameter roof tie 2m girth bent double, with one end built into brickwork and other end fixed to timber	No	18
<b><u>Galvanised hoop iron cramps, ties, etc</u></b>			
14	30 x 1,6mm Roof tie 1,5m long with one end built into brickwork and other end fixed to timber	No	35
<b><u>FACE BRICKWORK</u></b>			
<b><u>External hot terracota red face bricks (Prime Cost Amount R5000/1000) pointed with recessed horizontal and vertical joints</u></b>			
15	Extra over brickwork for face brickwork	m2	192
16	Extra over brickwork for brick-on-edge header course lintel pointed on face and 115mm soffit	m	18
<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>			
17	180mm Wide sill set sloping and slightly projecting	m	30
<b><u>BRICK SUNDRIES</u></b>			
Carried Forward			R
Section No. 2 Bill No. 3 Masonry <b>LUSIBAKHULU SCHOOL</b>			

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Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>				
	<b><u>BILL NO. 4</u></b>				
	<b><u>WATERPROOFING</u></b>				
	<u>PREAMBLES</u>				
	(For preambles refer to: Department of Public Works Specification materials and methods to be used "PW 371				
	<b><u>DAMP-PROOFING OF WALLS AND FLOORS</u></b>				
	<b><u>One layer of 375 micron "Consol Plastics Brikgrip DPC" or other equal and approved embossed damp proof course</u></b>				
1	In walls	m2	10		
	<b><u>One layer of 250 micron "Consol Plastics Gunplas USB Green" or other equal and approved waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u></b>				
2	Under surface beds	m2	126		
	<b><u>Cementious waterproofing system comprising two full coats PMF waterproof slurry applied with a brush to a final dry film thickness of 2 to 3mm</u></b>				
3	On walls.	m2	216		
4	On floors	m2	81		
5	On soffit of slab	m2	81		
	<b>Carried Forward to Summary of Section No. 2</b>			R	
	Section No. 2				
	Bill No. 4				
	Waterproofing				
	<b>LUSIBAKHULU SCHOOL</b>				

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>				
	<b><u>BILL NO. 5</u></b>				
	<b><u>ROOF COVERINGS, CLADDINGS, ETC</u></b>				
	PREAMBLES				
	(For preambles refer to: Department of Public Works Specification materials and methods to be used "PW 371)				
	<b><u>PROFILED SHEETING OF METAL, FIBRE- CEMENT, PLASTICS, ETC</u></b>				
	<b><u>0,58mm IBR Profile roof sheeting at 17 degrees on insulation on 50 x 76mm timber purlins at 750mm centre to centre on prefabricated timber trusses to Engineer's detail and specification</u></b>				
1	Roof covering with pitch not exceeding 17 degrees	m2	176		
2	0.58mm Thick ridge capping 460mm girth	m	25		
	<b><u>Sundries</u></b>				
3	Extra over opening for 300 x 400mm Roof Vents.	No	2		
	<b>Carried Forward to Summary of Section No. 2</b>			R	
	Section No. 2 Bill No. 5 Roof Coverings, Cladding, Etc <b>LUSIBAKHULU 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. 6</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><b>Carried Forward</b></p>				<p>R</p>
<p>Section No. 2  Bill No. 6  Carpentry And Joinery  <b>LUSIBAKHULU 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. 6 Carpentry And Joinery <b>LUSIBAKHULU SCHOOL</b></p>		

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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	75	
<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 53m2 on plan (Block NB1).		Item	
3	Trusses for rectangular shaped building, size overall 53m2 on plan (Block NB3).		Item	
4	Trusses for rectangular shaped building, size overall 35m2 on plan (Block NB4).		Item	
<b><u>EAVES AND VERGES</u></b>				
<b><u>"Everite Flexit" or other equal and approved pressed nutec-cement</u></b>				
5	12 x 300mm Fascia or bargeboard	m	83	
<b><u>DOORS, ETC</u></b>				
<b><u>Wrought meranti doors hung to steel frames</u></b>				
6	D14 - 944x2032mm high	No	9	
<b><u>Semi-solid flush doors with sapele veneer on both sides hung to steel frames</u></b>				
7	D13 - 813 x 2 032mm high	No	29	
<b>Carried Forward to Summary of Section No. 2</b>				R
Section No. 2				
Bill No. 6				
Carpentry And Joinery				
<b>LUSIBAKHULU SCHOOL</b>				

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>				
	<b><u>BILL NO. 7</u></b>				
	<b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></b>				
	<u>PREAMBLES</u>				
	(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>9mm Fibre cement ceiling or similar and approved on 38x38 timber brandering (recommended suspension system, jointing and spacing to strict manufacturer's details) on timber trusses</u></b>				
1	Ceilings	m2	98		
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	3		
	<b><u>CORNICES, ETC.</u></b>				
	<b><u>"The Moulding Shop" or similar approved</u></b>				
3	90x90 mm Coved Polystyrene glue on cornice installed with paintable sealing glue to strict manufacturer's details.	m	167		
	<b><u>INSULATION</u></b>				
4	135mm Thick fibreglass insulation (11.5kg/m3 nominal density) closely fitted and laid on top ceiling between metal and suspension system.	m2	98		
	<b>Carried Forward to Summary of Section No. 2</b>			R	
	Section No. 2				
	Bill No. 7				
	Ceilings, Partitions And Access Flooring				
	<b>LUSIBAKHULU SCHOOL</b>				

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Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>  <b><u>BILL NO. 8</u></b>  <b><u>FLOOR COVERINGS, WALL LININGS, ETC.</u></b>  <u>PREAMBLES</u>  (For preambles refer to: Department of Public Works Specification materials and methods to be used "PW 371  <b><u>SKIRTINGS, NOSINGS, ETC</u></b>  <u>Cement sand skimmed skirting</u>				
1	100mm high	m	121		
	<b>Carried Forward to Summary of Section No. 2</b>				R
	Section No. 2 Bill No. 8 Floor Coverings, Wall Linings, Etc. <b>LUSIBAKHULU SCHOOL</b>				

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Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>				
	<b><u>BILL NO. 9</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	9		
	<b><u>Hinges, Bolts, Etc</u></b>				
2	100 x 75LD medium butt hinge	No	76		
	<b><u>LOCKS</u></b>				
	<b><u>Manufactured by "Ironmongery Warehouse Africa"</u></b>				
3	"IW1922" bathroom indicators	No	29		
4	"IW1929" 170X170mm SS push plate	No	9		
	<b><u>LETTERS, NAMEPLATES, ETC</u></b>				
	<b><u>"Dorma" or other similar approved</u></b>				
5	DSS - 131 F 150 x 150mm engraved aluminium "female" indicator plate	No	2		
6	DSS - 131 F 150 x 150mm engraved aluminium "male" indicator plate	No	1		
	<b>Carried Forward</b>			R	
	Section No. 2 Bill No. 9 Ironmongery <b>LUSIBAKHULU SCHOOL</b>				

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	<b>Brought Forward</b>			<b>R</b>	
7	DSS - 131 F 150 x 150mm engraved aluminium "Disable" indicator plate	No	1		
8	5mm x 100mm Black Plastic numbering screw and/ glue on fixed to external door or as per specialist details installed @ 1700mm AFFL	No	9		
<b><u>SUNDRIES</u></b>					
9	Floor mounted AS Round Door Stop (AL8730AS)	No	9		
10	12L pedal operated sanitary waste in each cubicle supplied by volkem hygiene or similar approved (width 435mm x height 465mm x dept 115mm.)	No	10		
<b><u>BATHROOM FITTINGS</u></b>					
<b><u>"Chairman Industries" or other similar approved</u></b>					
11	32mm Side grab rail (Code D12)	No	2		
12	32mm Rear grab rail around (Code SR2A)	No	2		
<b><u>"Franke" or other similar approved</u></b>					
13	Double toilet roll holder by Franke (RODX672) with spindle system for wall mounting, stainless steel, surface satin finished, material thickness 0.8 mm, folded front cover, cylinder lock with Franke standard key, for 2 rolls with max. Ø 120 mm, second roll will be released after consumption of first roll, with spindles, reserve roll not visible, incl. stainless steel screws and dowels.	No	16		
<b><u>"Volkem" or other similar approved</u></b>					
14	Golden Touch Soap Dispenser Lockable 1200ml – Stainless Steel	No	12		
<b>Carried Forward to Summary of Section No. 2</b>				<b>R</b>	
Section No. 2					
Bill No. 9					
Ironmongery					
<b>LUSIBAKHULU 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>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>HOT DIPPED GALVANIZED PRESSED STEEL DOOR FRAMES</u></b>				
	<b><u>1,2mm rebated frames suitable for half brick walls</u></b>				
1	Frame for door 813 x 2032mm high	No	29		
	<b><u>1,2mm rebated frames suitable for one brick walls</u></b>				
2	Frame for door 944 x 2032mm high	No	9		
	<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>				
3	Window type 9T6C, 889 x 457mm high	No	6		
4	Window type W3, 533 x 654mm high	No	24		
	<b>Carried Forward to Summary of Section No. 2</b>			R	
	Section No. 2 Bill No. 10 Metalwork <b>LUSIBAKHULU SCHOOL</b>				

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Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>				
	<b><u>BILL NO. 11</u></b>				
	<b><u>PLASTERING</u></b>				
	<u>PREAMBLES</u>				
	(For preambles refer to: Department of Public Works Specification materials and methods to be used "PW 371				
	<b><u>GRANOLITHIC</u></b>				
	<b><u>Untinted granolithic, on concrete</u></b>				
1	Average 50mm thick on floors with upper surface to falls	m2	98		
	<b><u>INTERNAL PLASTER</u></b>				
	<b><u>Cement plaster steel trowelled, on brickwall</u></b>				
2	On walls	m2	563		
	<b>Carried Forward to Summary of Section No. 2</b>				R
	Section No. 2 Bill No. 11 Plastering <b>LUSIBAKHULU SCHOOL</b>				



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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>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	50		
2	110mm diameter rainwater pipes	m	14		
3	Extra over eaves gutter for angle	No	12		
4	Extra over eaves gutter for outlet for 100mm diameter pipe	No	6		
5	Extra over rainwater pipe for eaves or plinth offset 450mm projection	No	6		
6	Extra over rainwater pipe for shoe	No	6		
	<b><u>SANITARY FITTINGS</u></b>				
	<b><u>"Atlas Plastic" or similar approved</u></b>				
7	627AP Bambi Long Drop c/w Flap or similar appoved fixed to floors with an approved epoxy or bolted to floors with and including four 6mm diameter x 50mm long expansion bolts.	No	3		
8	222AP VIP 200 pedestal w/c flap and incorporated seat including VIP inlet funnel code 224AP	No	13		
	<b>Carried Forward</b>			R	
	Section No. 2 Bill No. 12 Plumbing And drainage <b>LUSIBAKHULU SCHOOL</b>				

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	<b>Brought Forward</b>			<b>R</b>	
9	496AP bowl urinal c/w brackets complete with waterless urinal fitting and waste	No	2		
10	383AP christy basin with splashback complete with all mountings	No	18		
	<b><u>uPVC</u></b>				
11	50mm S-Trap	No	18		
12	110mm Vent pipe	No	16		
13	Urinal offset tail pipe	No	2		
	<b><u>Chromium Plated Brass</u></b>				
14	50mm waste union complete with shank, plug and chain.	No	18		
15	32 x 50mm Bottle trap	No	18		
	<b><u>TAPS, VALVES, ETC.</u></b>				
	<b><u>Chromium Plated Brass Fittings Including Couplings To Copper</u></b>				
16	"Aqualine" S - Aqua 205 Self Closing Bib Tap or similar approved	No	18		
17	20mm Urinal flash valve	No	2		
	<b><u>TESTING</u></b>				
18	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>			<b>R</b>	
	Section No. 2				
	Bill No. 12				
	Plumbing And drainage				
	<b>LUSIBAKHULU SCHOOL</b>				

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ASBESTOS REPLACEMENT PROGRAMME - 420  
PROVISIONAL BILL OF QUANTITIES**

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LUSIBAKHULU HIGH SCHOOL  
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Brought Forward				R
	<u>Prepare, stop and apply one coat alkali resistant primer, one coat universal undercoat and two finishing coats of acrylic emulsion paint on:</u>			
5	Fascia and barge boards.	m2	27	
	<u>Three coats superior quality clear gloss varnish</u>			
6	On doors	m2	141	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 14				
Paintwork				
LUSIBAKHULU SCHOOL				

**LUSIBAKHULU HIGH SCHOOL  
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PROVISIONAL BILL OF QUANTITIES**

Bill No	SECTION SUMMARY - ABLUTIONS	Page No	Amount
1	Earthworks	53	
2	Concrete, Formwork & Reinforcement	55	
3	Masonry	58	
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5	Roof Coverings, Cladding, Etc	60	
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13	Glazing	72	
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Carried to Final Summary			R
Section No. 2 LUSIBAKHULU SCHOOL			

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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>				
	<b><u>PREAMBLES</u></b>				
	(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>LUSIBAKHULU 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>LUSIBAKHULU 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> <p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 3  Bill No. 1  Alterations  <b>LUSIBAKHULU SCHOOL</b></p>					<p style="text-align: center;">R</p>
					<p style="text-align: center;">R</p>

<p style="text-align: right;"><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>					<p style="text-align: center;">R</p>
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 3 Bill No. 1 Alterations <b>LUSIBAKHULU SCHOOL</b></p>					<p style="text-align: center;">R</p>

**LUSIBAKHULU HIGH SCHOOL**  
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	Brought Forward			R	
	<b><u>Carefully taking down and removing</u></b>				
1	Asbestos roof coverings complete, load and cart away debris.	m2	965		
2	Aluminium roof coverings complete, load and cart away debris.	m2	1,199		
	<b><u>Taking out doors, windows etc including thresholds, sills, etc and prepare opening for new (elsewhere measured)</u></b>				
3	Timber door and frame not exceeding 2,5m2.	No	32		
4	Glazed steel window not exceeding 2,5m2	No	124		
	<b><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u></b>				
5	Existing ceilings and cornice	m2	1,474		
	<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>				
6	Plaster from walls	m2	1,205		
7	30mm Screed from floors	m2	1,474		
	<b><u>Taking out and removing sundry joinery work, fittings, etc</u></b>				
8	Timber skirting from brickwork	m	753		
9	Timber dado rail from brickwork	m	753		
	<b><u>Taking up and removing vinyl floor coverings, carpeting, etc</u></b>				
10	Vinyl tile floor covering including preparing screed for new vinyl floor covering	m2	1,117		
	<b><u>Taking out and removing ironmongery</u></b>				
11	Green chalk board	No	16		
	Carried Forward			R	
	Section No. 3 Bill No. 1 Alterations <b>LUSIBAKHULU SCHOOL</b>				

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Brought Forward			R
12	Felt pin board	No	16
<b><u>Taking up and removing gutter and fascia boards</u></b>			
13	Remove all gutters and fascia boards	m	370
<b><u>Taking up and remove</u></b>			
14	Jojo water tank	No	4
15	Existing rusted container size 6000 x 3000 x 3000mm high	No	1
<b><u>MAKING GOOD OF FINISHES, ETC</u></b>			
<b><u>Making good cement plaster</u></b>			
16	Walls in patches	m2	36
<b><u>Making good face brick</u></b>			
17	Wash and seal existing face brick externally.	m2	1,205
18	Wash and seal existing face brick internally.	m2	768
<b>Carried Forward to Summary of Section No. 3</b>			R
Section No. 3			
Bill No. 1			
Alterations			
<b>LUSIBAKHULU SCHOOL</b>			

Item No	Unit	Quantity	Rate	Amount
<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	85	
2	Stripping average 150mm thick layer of vegetable soil including carting away to a dumping site to be located by the contractor	m2	85	
<b><u>EXCAVATION, FILLING, ETC</u></b>				
<b><u>Excavation in earth not exceeding 2m deep</u></b>				
3	Trenches	m3	39	
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	4	
6	Hard rock	m3	8	
<b>Carried Forward</b>				R
Section No. 3 Bill No. 2 Earthworks <b>LUSIBAKHULU SCHOOL</b>				

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<b>Brought Forward</b>				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	41		
<b><u>Risk of collapse of excavations</u></b>					
8	Sides of trench and hole excavations not exceeding 1,5m deep	m2	139		
<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	55		
<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	6		
12	Backfilling to trenches, holes, etc	m3	18		
<b><u>G5 material supplied by the contractor compacted to 93% Mod AASHTO density</u></b>					
13	Under floors, steps, pavings, etc.	m3	11		
<b><u>Coarse river sand filling supplied by the contractor</u></b>					
14	Under floors, steps, paving, etc	m3	4		
<b>Carried Forward</b>				R	
Section No. 3 Bill No. 2 Earthworks <b>LUSIBAKHULU 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	113		
<b><u>Prescribed density tests on filling</u></b>					
16	"Modified AASHTO Density" test	No	6		
<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	74		
18	To bottoms of trenches	m2	46		
<b>Carried Forward to Summary of Section No. 3</b>					<b>R</b>
Section No. 3					
Bill No. 2					
Earthworks					
<b>LUSIBAKHULU SCHOOL</b>					

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Item No		Unit	Quantity	Rate	Amount
	<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	12		
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	4		
	<b><u>TEST BLOCKS</u></b>				
4	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	12		
	<b><u>REINFORCEMENT (PROVISIONAL)</u></b>				
	<b><u>Fabric reinforcement</u></b>				
5	Type 245 fabric reinforcement in concrete surface beds etc	m2	43		
	<b>Carried Forward</b>			R	
	Section No. 3 Bill No. 3 Concrete, Formwork And Reinforcement <b>LUSIBAKHULU SCHOOL</b>				



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Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b>				
	<b><u>BILL NO. 4</u></b>				
	<b><u>MASONRY</u></b>				
	<u>PREAMBLES</u>				
	(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	One brick walls	m2	40		
	<b><u>SUPERSTRUCTURE</u></b>				
	<b><u>Brickwork of NFP bricks in class II mortar</u></b>				
2	Half brick walls	m2	25		
3	Half brick walls in beamfilling.	m2	14		
4	One brick walls.	m2	115		
	<b><u>BRICKWORK SUNDRIES</u></b>				
	<b><u>Joint forming material in movement joints:</u></b>				
5	10mm Bitumen impregnated fibre board built in vertical in one brick wall not exceeding 300mm wide.	m2	17		
	<b><u>Brickwork reinforcement</u></b>				
6	75mm Wide reinforcement built in horizontally	m	99		
7	150mm Wide reinforcement built in horizontally	m	657		
	<b>Carried Forward</b>			R	
	Section No. 3 Bill No. 4 Masonry <b>LUSIBAKHULU SCHOOL</b>				

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Brought Forward			R
<b><u>Prestressed fabricated lintels</u></b>			
8	100 x 70mm Lintels in lengths not exceeding 3m.	m	6
<b><u>Turning pieces</u></b>			
9	230mm Wide turning pieces	m	6
<b><u>Galvanised wire ties etc</u></b>			
10	4mm Diameter roof tie 2m girth bent double, with one end built into brickwork and other end fixed to timber	No	11
<b><u>Galvanised hoop iron cramps, ties, etc</u></b>			
11	30 x 1,6mm Roof tie 1,5m long with one end built into brickwork and other end fixed to timber	No	22
<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>			
12	Extra over brickwork for face brickwork	m2	76
13	Extra over brickwork for brick-on-edge header course lintel pointed on face and 115mm soffit	m	5
<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>			
14	180mm Wide sill set sloping and slightly projecting	m	5
<b><u>BRICK SUNDRIES</u></b>			
<b><u>Air ventilation, etc</u></b>			
15	255 x 220mm "Terracotta" or equally approved air bricks	No	4
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 4			
Masonry			
LUSIBAKHULU SCHOOL			

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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><b>Carried Forward</b></p>				<p>R</p>
<p>Section No. 3  Bill No. 7  Carpentry And Joinery  <b>LUSIBAKHULU 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. 3 Bill No. 7 Carpentry And Joinery <b>LUSIBAKHULU SCHOOL</b></p>		

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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	32
<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	
<b><u>EAVES AND VERGES</u></b>			
<b><u>"Everite Flexit" or other equal and approved pressed nutec-cement</u></b>			
3	12 x 300mm Fascia or bargeboard	m	482
<b><u>SKIRTINGS</u></b>			
<b><u>Wrought meranti</u></b>			
4	19 x 76mm Meranti skirting board, with 19mm Quater round nailed to wall all nails to be punched and filled finished with two coats clear eggshell	m	803
<b><u>DOORS, ETC</u></b>			
<b><u>813x2032x42mm braced back solid meranti framed and ledged door</u></b>			
5	Door D2 - Door size overall 813 x 2032mm high	No	25
6	Door D3 - Door size overall 813 x 2032mm high	No	1
7	Door D15 - Door size overall 813 x 2032mm high	No	2
Carried Forward			R
Section No. 3 Bill No. 7 Carpentry And Joinery <b>LUSIBAKHULU SCHOOL</b>			



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Brought Forward				R
	<u><b>813x2032x40mm thick heavy duty interior quality single solid core masonite flush timber door with 2 concealed edges to comply with sabs 54 interior grade.</b></u>			
8	Door D4, D8 - Door size overall 813 x 2 032mm high	No	2	
	<u><b>900x2032x42mm braced back solid meranti framed and ledged door</b></u>			
9	Door D11 - Door size overall 900 x 2032mm high	No	1	
	<u><b>1000x2032mm Strongroom Door by Mutual or similar and approved complete 8 Bolts of 40mm diameter – 4 front and 4 back boltwork and 7-Lever security keylock.</b></u>			
10	Door D5 - Door size overall 1000 x 2 032mm high	No	1	
	<u><b>BEADS, ARCHITRAVES, ETC</b></u>			
	<u><b>Wrought meranti</b></u>			
11	50 x 228mm Dado Rails	m	803	
	<u><b>BUDGETARY ALLOWANCE</b></u>			
	<u><b>KITCHEN CUPBOARDS</b></u>			
12	Allow Budgetary allowance of R20 000 (Twenty Thousand) for the kitchen cupboards to be used as directed by the Principal Agent deducted in whole or in part if not required		Item	
<b>Carried Forward to Summary of Section No. 3</b>				R
Section No. 3				
Bill No. 7				
Carpentry And Joinery				
<b>LUSIBAKHULU SCHOOL</b>				

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	1,375	
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	6	
<b><u>9mm Fibre cement ceiling or similar and approved on 38x38 timber brandering (recommended suspension system, jointing and spacing to strict manufacturer's details) on timber trusses</u></b>				
3	Ceilings	m2	164	
<b><u>CORNICES, ETC.</u></b>				
<b>Carried Forward</b>				R
Section No. 3 Bill No. 8 Ceilings, Partitioning And Access Flooring <b>LUSIBAKHULU SCHOOL</b>				

**LUSIBAKHULU HIGH SCHOOL**  
**ASBESTOS REPLACEMENT PROGRAMME - 420**  
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<b>Brought Forward</b>				R	
	<b><u>"The Moulding Shop" or similar approved</u></b>				
4	90x90 mm Coved Polystyrene glue on cornice installed with paintable sealing glue to strict manufacturer's details.	m	803		
	<b><u>INSULATION</u></b>				
5	135mm Thick fibreglass insulation (11.5kg/m3 nominal density) closely fitted and laid on top ceiling between metal and suspension system.	m2	1,539		
<b>Carried Forward to Summary of Section No. 3</b>				R	
Section No. 3					
Bill No. 8					
Ceilings, Partitioning And Access Flooring					
<b>LUSIBAKHULU SCHOOL</b>					

**LUSIBAKHULU HIGH SCHOOL**  
**ASBESTOS REPLACEMENT PROGRAMME - 420**  
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Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b>				
	<b><u>BILL NO. 9</u></b>				
	<b><u>FLOOR COVERINGS, WALL LININGS, ETC.</u></b>				
	<u>PREAMBLES</u>				
	(For preambles refer to: Department of Public Works Specification materials and methods to be used "PW 371				
	<b><u>SKIRTINGS, NOSINGS, ETC</u></b>				
	<u>Cement sand skimmed skirting</u>				
1	100mm high	m	200		
	<u>Timber skirting or similar approved</u>				
2	75x18mm skirting	m	509		
	<u>Coved skirting with "vuka lux solvent free epoxy" or similar approved</u>				
3	100mm high skirting	m	294		
	<b><u>FLOOR COVERINGS</u></b>				
	<b><u>Powerfloated concrete</u></b>				
4	To floors	m2	237		
	<b><u>Non-slip epoxy coating</u></b>				
5	3mm Thick Vuka Flow Quartz epoxy in strict accordance with the technical data obtainable from Vuka Floors or similar and approved.	m2	102		
	<b><u>300 x 300 x 2.5mm "Floorflex" or similar approved semi-flexible vinyl floor tiles size</u></b>				
6	To floors	m2	1,090		
	<b>Carried Forward</b>			R	
	Section No. 3 Bill No. 9 Floor Coverings, Wall Linings, Etc. <b>LUSIBAKHULU SCHOOL</b>				

**LUSIBAKHULU HIGH SCHOOL**  
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**LUSIBAKHULU HIGH 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. 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	30		
	<b><u>LOCKS</u></b>				
	<b><u>"Union" or similar approved</u></b>				
2	Four lever lockset with striking plate fixed to metal	No	31		
3	Panic latch suitable for 900mm door(8901 push bar Single point panic latch(EN1125)	No	1		
	<b><u>LETTERS, NAMEPLATES, ETC</u></b>				
4	5mm x 100mm Black Plastic numbering screw and/ glue on fixed to external door or as per specialist details installed @ 1700mm AFFL	No	33		
	<b><u>SUNDRIES</u></b>				
5	Floor mounted AS Round Door Stop (AL8730AS)	No	31		
6	900mm high SS kick plate	No	2		
	<b><u>DOOR CLOSERS</u></b>				
	<b>Carried Forward</b>			R	
	Section No. 3 Bill No. 10 Ironmongery <b>LUSIBAKHULU SCHOOL</b>				

LUSIBAKHULU HIGH SCHOOL  
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	Brought Forward			R	
	<b><u>"Dorma" or similar approved</u></b>				
7	"TS73V EN 2-4 Regular Arm NON HOLD OPEN Door Closer - Adjustable Strenght, Hydraulic Speed Control. Pull Side Fixing (Silver) code:TS73V	No	32		
	<b><u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</u></b>				
	<b><u>"Vitrex" or other equal and approved vitreous enamelled writing boards, etc to SABS CSK-36-1980</u></b>				
8	4800 x 1140mm Green chalk board	No	16		
	<b><u>"Best Board" or similar approved</u></b>				
9	3000 x 1200mm Felt pinning board (FE1230)	No	16		
<b>Carried Forward to Summary of Section No. 3</b>				R	
Section No. 3 Bill No. 10 Ironmongery <b>LUSIBAKHULU SCHOOL</b>					

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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>				
	<b><u>PREAMBLES</u></b>				
	(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	45		
	<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	31		
3	Gate 1524 x 2134mm 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>Carried Forward</b>			R	
	Section No. 3 Bill No. 11 Metalwork <b>LUSIBAKHULU SCHOOL</b>				



Brought Forward			R
<b><u>ROLLERSTYLE ADD ON INTERNAL SURFACE MOUNT PRE-PAINTED ALUMINIUM ROLL-UP DOORS</u></b>			
4	Push up operation roller shutter door complete with overhead gear, guides, fixing bolts, etc., to suit clear opening size 2400 x 1200mm 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>			
5	Frame for door 813 x 2032mm high	No	3
<b><u>1,2mm rebated frames suitable for one brick walls</u></b>			
6	Frame for door 813 x 2032mm high	No	27
7	Frame for door 900 x 2032mm high	No	1
8	Frame for door 1000 x 2032mm high	No	1
<b><u>Galvanised standard steel door</u></b>			
9	Door D1, 1524x2134mm high	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>			
10	Window type 9DT12, 889 x 1248mm high	No	2
11	Window type 9T6B, 889 x 457mm high	No	4
<b>Carried Forward to Summary of Section No. 3</b>			R
Section No. 3 Bill No. 11 Metalwork <b>LUSIBAKHULU SCHOOL</b>			

**LUSIBAKHULU HIGH SCHOOL**  
**ASBESTOS REPLACEMENT PROGRAMME - 420**  
**PROVISIONAL BILL OF QUANTITIES**

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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	392		
2	110mm diameter rainwater pipes	m	43		
3	Extra over eaves gutter for angle	No	36		
4	Extra over eaves gutter for outlet for 100mm diameter pipe	No	16		
5	Extra over rainwater pipe for eaves or plinth offset 450mm projection	No	16		
6	Extra over rainwater pipe for shoe	No	16		
	<b><u>SANITARY FITTINGS</u></b>				
	<b><u>"Atlas plastics" or similar approved</u></b>				
7	313AP, 800mm Splashback Sink (right side)	No	1		
	<b><u>"Cobra" or similar approved</u></b>				
8	Kitchen Heritage: PA-870; installed to strict manufacturer's specifications, complete with 40mm raised cartridge T&F, controlled S-750-1, Handle S-PA870-2, Connection hoses C-M10X1/2 (SANS 1480).	No	2		
	<b>Carried Forward</b>			R	
	Section No. 3 Bill No. 13 Plumbing And Drainage <b>LUSIBAKHULU SCHOOL</b>				

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	Brought Forward			R
9	Star Chrome plated brass extended bibtap - 1/2" light pattern  " <b>Franke"</b> or similar approved	No	6	
10	ET102 Double Fabricated Economy Type Washtrough, 1030x440x300mm deep. Unit to be manufactured from Grade 430 (17/10) Stainless Steel, 0,8mm gauge. Unit to be manufactured with a sloped front, with wash ridges and a 40mm waste outlet. Trough to be supplied with fixing lugs to mount the trough to the wall. (Bolts to specialist)	No	1	
11	ET101 Single Fabricated Economy Type Washtrough, 540x440x300mm deep or similar and approved. Unit to be manufactured from Grade 430 (17/10) Stainless Steel, 0,8mm gauge. Unit to be manufactured with a sloped front, with wash ridges and a 40mm waste outlet. Trough to be supplied with fixing lugs to mount the trough to the wall. (Bolts to specialist)	No	3	
<b>Carried Forward to Summary of Section No. 3</b>				R
Section No. 3 Bill No. 13 Plumbing And Drainage <b>LUSIBAKHULU SCHOOL</b>				

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Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b>				
	<b><u>BILL NO. 15</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>PAINTWORK ETC TO NEW WORK</u></b>				
	<b><u>ON FLOATED PLASTER</u></b>				
	<b><u>Two coats superior quality acrylic emulsion paint for interior and exterior use</u></b>				
1	On internal walls	m2	1,294		
	<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>				
2	Ceiling and beams	m2	1,539		
	<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>				
3	On door frames	m2	37		
4	On windows with burglar bars	m2	4		
5	On gates, grilles, burglar screens, balustrades, etc. (both side measured over the full flat area)	m2	51		
	<b><u>ON WOOD SURFACES</u></b>				
	<b>Carried Forward</b>			R	
	Section No. 3 Bill No. 15 Paintwork <b>LUSIBAKHULU SCHOOL</b>				

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Brought Forward			R
<u>Three coats superior quality clear gloss varnish</u>			
6	On doors	m2	116
7	Skirtings, rails, etc in narrow girths.	m	1,606
<u>FIBRE CEMENT</u>			
<u>Prepare, stop and apply one coat alkali resistant primer, one coat universal undercoat and two finishing coats of acrylic emulsion paint on:</u>			
8	Fascia and barge boards.	m2	148
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 15			
Paintwork			
LUSIBAKHULU SCHOOL			

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>LUSIBAKHULU SCHOOL</b>				



**LUSIBAKHULU HIGH SCHOOL**  
**ASBESTOS REPLACEMENT PROGRAMME - 420**  
**PROVISIONAL BILL OF QUANTITIES**

<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 R100000.00 (Rand) for CLO to be deducted in portion of R 10 000.00 per month for 10months	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>LUSIBAKHULU SCHOOL</b>			

**LUSIBAKHULU HIGH SCHOOL**  
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Brought Forward			R	
<b><u>MECHANICAL INSTALLATION</u></b>				
4	Provide a sum of R 400 000.00 (Four Hundred Thousand Rands) for Mechanical Installation to be expended as the Principal Agent may direct or deducted in whole or in part, if not required	Item		400,000.00
5	Allow for Profit		%	
6	Allow for attendance		%	
<b><u>ELECTRICAL INSTALLATION</u></b>				
7	Provide a sum of R 1 525 101.00 (One Million Five Hundred and Twenty Five Thousand One Hundred and One Rands) for Electrical Installation to be expended as the Principal Agent may direct or deducted in whole or in part, if not required	Item		1,525,101.00
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>LUSIBAKHULU SCHOOL</b>				

		Quantity	Rate	Amount R
CPG Bill of Quantities:				
<p><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></p>				
<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	R21 931,13	R21 931,13
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	R21 931,13	R21 931,13
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>				
SECTION NO.3 - PROVISIONAL SUMS				
Bill No. 1				
Provisional Sums				

**KwaZulu Natal Department of Education  
Asbestos Replacement  
Lusibelukhulu SS**

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	R219 311,27	R219 311,27
	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	
	<b>SECTION NO.3 – ASBESTOS REPLACEMENT</b>				
	Bill No. 1				
	Provisional Sums				

<p><b>MINIMUM 30% SUB-CONTRACTING</b></p> <p>Provision is made for 30% subcontracting to SMMEs in the execution of this project as described in C3.1 Project Specifications . This is the contractors allowance for the P&amp;G's for the 30% sub-contractors (SMME's).The Employer will define the actual P&amp;G items applicable to the SMME's after tender award</p>	PS	1	R226 987,17	R226 987,17
<p>Allowance for profit and attendance, all inclusive of associated costs to the contractor for implementation.</p>	%			
<p>Allowance for attendance all inclusive of associated costs to the contractor for implementation.</p>	%			
<p><b>Carried Forward to Summary of Section No.</b></p>				
<p>SECTION NO.3 - PROVISIONAL SUMS</p> <p>Bill No. 1</p> <p>Provisional Sums</p>			R	

**LUSIBAKHULU HIGH SCHOOL  
ASBESTOS REPLACEMENT PROGRAMME - 420  
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Bill No	SECTION SUMMARY - OTHER BUILDINGS	Page No	Amount
1	Alterations	81	
2	Earthworks	84	
3	Concrete, Formwork And Reinforcement	86	
4	Masonry	88	
5	Waterproofing	89	
6	Roof Coverings, Cladding, Etc	90	
7	Carpentry And Joinery	94	
8	Ceilings, Partitioning And Access Flooring	96	
9	Floor Coverings, Wall Linings, Etc.	98	
10	Ironmongery	100	
11	Metalwork	102	
12	Plastering	103	
13	Plumbing And Drainage	105	
14	Glazing	106	
15	Paintwork	108	
16	Provisional Sums	111	
Carried to Final Summary			R
Section No. 3 LUSIBAKHULU SCHOOL			

**LUSIBAKHULU HIGH 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	11		
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	51		
4	Clean, dry, sand filling, selected and supplied, deposited, watered and consolidated in 50mm thick blinding layer under floors, etc.	m3	4		
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	93		
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	93		
	<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	12		
	<b>Carried Forward</b>			R	
	Section No. 4 Bill No. 1 External Works <b>LUSIBAKHULU SCHOOL</b>				

**LUSIBAKHULU HIGH SCHOOL**  
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<b>Brought Forward</b>			<b>R</b>
<b><u>Reinforced Cement Concrete (25MPa) In</u></b>			
8	Footings.	m3	14
9	Cement concrete in water tank stands and raft slabs cast in panels not exceeding 6m2.	m3	27
<b><u>Fabric Reinforcement To Concrete Work</u></b>			
10	High tensile steel mesh Ref. 193 to concrete walkways, slabs, etc.	m2	93
11	High tensile steel mesh Ref. 395 to concrete walkways, slabs, etc.	m2	93
<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	93
<b><u>Rough Formwork To</u></b>			
13	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	108
<b><u>Brickwork In Clay Bricks In Cement Mortar In</u></b>			
14	One brick wall.	m2	131
<b><u>BRICK REINFORCEMENT:</u></b>			
15	150mm Wide reinforcement built in horizontally	m	294
<b><u>ONE LAYER 375MICRON EMBOSSED DAMPPROOF SHEETING</u></b>			
16	Under surface beds.	m2	93
<b><u>FACE BRICKWORK</u></b>			
<b>Carried Forward</b>			<b>R</b>
Section No. 4 Bill No. 1 External Works <b>LUSIBAKHULU SCHOOL</b>			



**LUSIBAKHULU HIGH 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	93		
	<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	12		
	<b><u>TAPS</u></b>				
	<b><u>Lockable tap cover provided with padlock</u></b>				
19	Water tank taps with padlock.	No	12		
	<b><u>WELDED SECURITY FENCING</u></b>				
	<b><u>"ClearVu" similar approved Category 3 Security Fencing System, Black colour</u></b>				
20	<b>Fencing</b> comprising of steel mesh panels size 3297 x 2400mm 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	402		
	<b>Carried Forward</b>			<b>R</b>	
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<b><u>"ClearVu" Gate and Posts, etc.</u></b>					
21	Clearview Sliding Gate 2400mmx2400mm Complete with posts including all accessories and installed in accordance with manufacturer's instructions	No	1		
<b><u>PARKING AND PAVING</u></b>					
<u>All excavations are measured as being in "earth" and/or filling compacted to 93% modified AASHTO density</u>					
<u>Descriptions of excavations shall be deemed to include for setting aside surplus excavated material in spoil heaps for use as filling or for depositing within 150m of the perimeter of the excavations and spreading and roughly levelling as directed, as well as for increase in bulk and multiple handling of excavated material caused by the Contractor's method of operation</u>					
<u>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site and for bulking</u>					
<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	416		
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	125		
24	Extra over open face excavations in earth for excavations in soft rock	m3	62		
25	Extra over open face excavations in earth for excavations in hard rock	m3	21		
<b>Carried Forward</b>					<b>R</b>
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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	238		
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	178		
<b><u>STABILIZATION</u></b>					
29	Chemical stabilization extra over unstabilized compacted layer with Grade 32,5N Type CEM ii upto 3%	t	13.00		
30	25mm Thick clean, dry, river sand layer treated with an approved weed killer at the rate of 50 grams per square metre, spread and levelled to receive paving blocks (elsewhere)	m3	30		
31	Tests to determine the degree of compaction, etc. of ground or filling	No	356		
<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	1,188		
<b>Carried Forward</b>					<b>R</b>
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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	763		
	<b><u>STORMWATER DRAINAGE</u></b>				
	<u>All excavations are measured as being in "earth" and/or filling compacted to 98% modified AASHTO density</u>				
	<u>Mass concrete with a coarse aggregate of 19mm and a minimum compressive strength of 30MPa at 28 days</u>				
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	100		
	<b><u>EARTHWORKS</u></b>				
35	Excavation exceeding 1m and not exceeding 2m deep for pipe trenches	m3	131		
36	Selected sand filling supplied by the contractor in bedding under and filling around pipes	m3	7		
37	600mm Diameter concrete pipes Class 50D concrete pipes with interlocking joints	m	66		
38	Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density	m3	87		
	<b>Carried Forward</b>			<b>R</b>	
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