

SECTION 1

PRELIMINARIES AND GENERAL

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

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

PREAMBLES FOR TRADES

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

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

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

SECTION A - JBCC PRINCIPAL BUILDING AGREEMENT

DEFINITIONS

A1 DEFINITIONS AND INTERPRETATION

Clause 1.0

1.1 Definition of "**Commencement Date**" is added:

"**COMMENCEMENT DATE**" means the date that the **agreement**, made in terms of the Form of Offer and Acceptance, comes into effect

Clause 1.1 Definition of "**Construction Period**" is amended by replacing it with the following:

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

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	<p>Clause 1.1 Definition of "Interest" is amended by replacing it with the following:</p> <p>INTEREST means the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No.1 of 1999)</p> <p>(a) In respect of interest owed by the employer, the interest rate as determined by the Minister of Justice and Constitutional Development, from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No. 55 of 1975), will apply; and</p> <p>(b) in respect of interest owed to the employer, the interest rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999), will apply.</p> <p>Clause 1.6.4 is amended by replacing it with the following:</p> <p>No clause</p>			
1	<p>F:..... V:.....</p> <p>T:.....</p> <p><u>OBJECTIVE AND PREPARATION</u></p> <p><u>A2 OFFER, ACCEPTANCE AND PERFORMANCE</u></p> <p>Clause 2.0</p>	Item		
2	<p>F:..... V:.....</p> <p>T:.....</p> <p><u>A3 DOCUMENTS</u></p> <p>Clause 3.0</p>	Item		
	Carried Forward		R	
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<p>Clause 3.7 is amended by the addition of the following:</p> <p>The contractor shall supply and keep a copy of the JBCC Series 2000 Principal Building Agreement and Preliminaries applicable to this contract on the site, to which the employer, principal agent and agents shall have access at all times</p>		
3	<p>F:..... V:..... T:.....</p> <p><u>A4 DESIGN RESPONSIBILITY</u></p> <p>Clause 4.0</p>	Item
4	<p>F:..... V:..... T:.....</p> <p><u>A5 EMPLOYERS AGENTS</u></p> <p>Clause 5.0</p> <p>Clause 5.1.2 is amended to include clauses 32.6.3, 34.3 and 34.4</p>	Item
5	<p>F:..... V:..... T:.....</p> <p><u>A6 SITE REPRESENTATIVE</u></p> <p>Clause 6.0</p>	Item
6	<p>F:..... V:..... T:.....</p> <p><u>A7 COMPLIANCE WITH REGULATIONS</u></p> <p>Clause 7.0</p>	Item
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Brought Forward		R
<p>Note: The provisions herein include inter alia, compliance with all the requirements, without limiting the generality of the provisions of Clause 7.0, the contractor's attention is drawn to the provisions of the Construction Regulations, 2014 issued in terms of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) and in particular with Regulation 7(1)(a) requiring the compilation of a health and safety plan, as well as Regulation 8(5) requiring the appointment of a Construction Health and Safety Officer, the necessary documented health and safety specifications for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specifications</p>		
7	<p>F:..... V:..... T:.....</p> <p><u>A8 WORKS RISK</u></p> <p>Clause 8.0</p>	Item
8	<p>F:..... V:..... T:.....</p> <p><u>A9 INDEMNITIES</u></p> <p>Clause 9.0</p>	Item
9	<p>F:..... V:..... T:.....</p> <p><u>A10 WORKS INSURANCES</u></p> <p>Clause 10.0</p> <p>Clause 10.0 is amended by the addition of the following clauses:</p>	Item
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10.5 Damage to the Works

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

(b) The **contractor** shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the **works** and to rebuild, restore, replace and/or repair the **works** (c) The **employer** shall carry the risk of damage to or destruction of the **works** and material paid for by the **employer** that is the result of the excepted risks as set out in 10.6

(d) Where the **employer** bears the risk in terms of this contract, the **contractor** shall, if requested to do so, reinstate any damage or destroyed portions of the **works** and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof

10.6 Injury to Persons or loss of or damage to Properties

(a) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the **works** unless due to any act or neglect of any person for whose actions the **employer** is legally liable

(b) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the **site**, whether belonging to or under the control of the **employer** or any other body or person, arising out of or in the course of or by reason of the execution of the **works** unless due to any act or neglect of any person for whose actions the **employer** is legally liable

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<p style="text-align: center;">Brought Forward</p> <p>(c) The contractor shall, upon receiving a contract instruction from the principal agent, cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the employer shall be entitled to cause it to be made good and to recover the cost thereof from the contractor or to deduct the same from amounts due to the contractor</p> <p>(d) The contractor shall be responsible for the protection and safety of such portions of the premises placed under his control by the employer for the purpose of executing the works until the issue of the certificate of practical completion</p> <p>(e) Where the execution of the works involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the contractor shall and will remain adequately insured or insured against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the works has been completed</p> <p>(f) The contractor shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the works</p> <p>10.7 High risk insurance</p> <p>In the event of the project being executed in a geological area classified as a High Risk Area, that is an area which is subject to highly unstable subsurface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:</p> <p style="text-align: center;">Carried Forward</p> <p>Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL LIKUBU PRIMARY SCHOOL</p>		R	
		R	

<p style="text-align: right;">Brought Forward</p> <p>10.7.1 Damage to the works</p> <p>The contractor shall, from the commencement date of the works until the date of the certificate of practical completion bear the full risk of and hereby indemnifies and holds harmless the employer against any damage to and/or destruction of the works consequent upon a catastrophic ground movement as mentioned above. The contractor shall take such precautions and security measures and other steps for the protection of the works as he may deem necessary</p> <p>When so instructed to do so by the principal agent, the contractor shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works, at the contractor's own costs</p> <p>10.7.2 Injury to persons or loss of or damage to property</p> <p>The contractor shall be liable for and hereby indemnifies and holds harmless the employer against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above</p> <p>The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract</p> <p>10.7.3 It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the contractors obligations in terms of the contract, the contractor shall, within twenty-one (21) calendar days of the commencement date but before commencement of the works , submit to the employer proof of such insurance policy, if requested to do so</p>		R	
<p style="text-align: right;">Carried Forward</p> <p>Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL LIKUBU PRIMARY SCHOOL</p>		R	

Brought Forward		R
<p>10.7.4 The employer shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the contractors default of his obligations as set out in 10.7.1; 10.7.2 and 10.7.3. Such losses or damages may be recovered from the contractor or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the employer and the contractor and for this purpose all these contracts shall be considered one indivisible whole</p>		
10	<p>F:..... V:..... T:.....</p> <p><u>A11 LIABILITY INSURANCES</u></p> <p>Clause 11.0</p>	Item
11	<p>F:..... V:..... T:.....</p> <p><u>A12 EFFECTING INSURANCES</u></p> <p>Clause 12.0</p>	Item
12	<p>F:..... V:..... T:.....</p> <p><u>A13 ASSIGNMENT</u></p> <p>Clause 13.0</p>	Item
13	<p>F:..... V:..... T:.....</p> <p><u>A14 SECURITY</u></p> <p>Clause 14.0</p> <p>Clauses 14.1 - 14.8 are amended by replacing them with the following:</p>	Item
Carried Forward		R
<p>Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL LIKUBU PRIMARY SCHOOL</p>		

<p style="text-align: center;">Brought Forward</p> <p>14.1 In respect of contracts with a contract sum up to R1 million, the security to be submitted by the contractor to the employer will be as a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT)</p> <p>14.1.1 The payment reduction of the value certified in a payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(A)</p> <p>14.1.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employers entitlement shall take precedence over his obligations to refund the payment reduction security or portions thereof to the contractor</p> <p>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 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.</p> <p>14.3 Where security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected:</p> <p>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</p> <p>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</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL LIKUBU PRIMARY SCHOOL</p>		R	

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

<p style="text-align: right;">Brought Forward</p> <p>14.5 Where security as a fixed construction guarantee of five per cent (5%) of the contract sum (excluding VAT) and a five per cent (5%) payment reduction of the value certified in the payment certificate (excluding VAT) has been selected:</p> <p>14.5.1 The contractor shall furnish a fixed construction guarantee to the employer equal in value to five per cent (5%) of the contract sum (excluding VAT)</p> <p>14.5.2 The fixed construction guarantee shall come into force on the date of issue and shall expire on the date of practical completion</p> <p>14.5.3 The employer shall return the fixed construction guarantee to the contractor within fourteen (14) calendar days of it expiring</p> <p>14.5.4 The payment reduction of the value certified in a payment certificate shall be in terms of 31.8 (A) and 34.8</p> <p>14.5.5 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer shall be entitled to issue a written demand in terms of the fixed construction guarantee or may recover from the payment reduction or may do both</p> <p>14.6 Where security as a cash deposit of five per cent (5%) of the contract sum (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT) has been selected:</p> <p>14.6.1 The contractor shall furnish the employer with a cash deposit equal in value to five per cent (5%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date</p> <p>14.6.2 Within twenty-one (21) calendar days of the date of practical completion of the works the employer shall refund the cash deposit in total to the contractor</p> <p style="text-align: right;">Carried Forward</p> <p>Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL LIKUBU PRIMARY SCHOOL</p>		R	
		R	

14	<p style="text-align: right;">Brought Forward</p> <p>14.6.3 The payment reduction of the value certified in a payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(A)</p> <p>14.6.4 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer 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 security as a payment reduction of ten per cent (10%) of the value certified in the payment certificate (excluding VAT) has been selected:</p> <p>14.7.1 The payment reduction of the value certified in a payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(B)</p> <p>14.7.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employers entitlement shall take precedence over his obligations to refund the payment reduction or portions thereof to the contractor</p> <p>14.8 Payments made by the guarantor to the employer in terms of the fixed or variable construction guarantee shall not prejudice the rights of the employer or contractor in terms of this agreement</p> <p>14.9 Should the contractor fail to furnish the security in terms of 14.2, the employer, in his sole discretion and without notification to the contractor, is entitled to change the contractors selected form of security to that of a ten per cent (10%) payment reduction of the value certified in the payment certificate (excluding VAT), whereafter 14.7 shall be applicable</p> <p>F:..... V:..... T:.....</p> <p><u>EXECUTION</u></p> <p style="text-align: right;">Carried Forward</p> <p>Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL LIKUBU PRIMARY SCHOOL</p>	Item	R	
			R	

Brought Forward		R
<u>A15 PREPARATION FOR AND THE EXECUTION OF THE WORKS</u>		
Clause 15.0		
Clause 15.1.1 is amended by replacing it with:		
No Clause		
Clause 15.1 is amended by the addition of the following clause:		
15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), Construction Regulations 2014 as per Government notice within twenty-one (21) calendar days of commencement date		
Clause 15.2.1 is amended by replacing it with the following clause:		
Give the contractor possession of the site within ten (10) working days of the contractor complying with the terms of 15.1.2 and 15.1.4		
15	F:..... V:..... T:.....	Item
<u>A16 ACCESS TO THE WORKS</u>		
Clause 16.0		
16	F:..... V:..... T:.....	Item
<u>A17 CONTRACT INSTRUCTIONS</u>		
Clause 17.0		
17	F:..... V:..... T:.....	Item
Carried Forward		R
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	Brought Forward		R
	A18 SETTING OUT OF THE WORKS		
	Clause 18.0 Setting Out Of The Works (Clause 18) The contractor shall notify the Principal Agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc exist in order that the necessary arrangements may be made for the rectification of any such encroachments.		
18	F:..... V:..... T:.....	Item	
	A19 ASSIGNMENT		
	Clause 19.0		
19	F:..... V:..... T:.....	Item	
	A20 NOMINATED SUB CONTRACTORS		
	Clause 20.0 Clause 20.1.3 is amended by replacing it with the following: No Clause Note: See item B9.1 hereinafter for adjustment of attendance on nominated subcontractors executing work allowed for under provisional sums		
20	F:..... V:..... T:.....	Item	
	A21 SELECTED SUBCONTRACTORS		
	Clause 21.0 Clause 21 is amended by replacing it with: No Clause		
21	F:..... V:..... T:.....	Item	
	Carried Forward		R
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	Brought Forward	R
	A22 EMPLOYERS DIRECT CONTRACTORS	
	Clause 22.0	
22	F:..... V:..... T:.....	Item
	A23 CONTRACTORS DOMESTIC SUBCONTRACTOR	
	Clause 23.0	
23	F:..... V:..... T:.....	Item
	COMPLETION	
	A24 PRACTICAL COMPLETION	
	Clause 24.0	
24	F:..... V:..... T:.....	Item
	A25 WORKS COMPLETION	
	Clause 25.0	
25	F:..... V:..... T:.....	Item
	FINAL COMPLETION	
	Clause 26.0	
26	F:..... V:..... T:.....	Item
	A27 LATENT DEFECTS LIABILITY PERIOD	
	Clause 27.0	
27	F:..... V:..... T:.....	Item
	Carried Forward	R
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Brought Forward			R
<u>A28 SECTIONAL COMPLETION</u>			
	Clause 28.0		
28	F:..... V:..... T:.....	Item	
<u>A29 REVISION OF DATE FOR PRACTICAL COMPLETION</u>			
	Clause 29.0		
	Revision of Date for Practical Completion (Clause 29) The removal and replacement of materials and/or workmanship which do not conform to specification or drawing shall not constitute grounds for the extension of the construction period nor the adjustment of contract value (Clause 29.3)		
29	F:..... V:..... T:.....	Item	
<u>PENALTY FOR NON COMPLETION</u>			
	Clause 30.0		
30	F:..... V:..... T:.....	Item	
<u>PAYMENT</u>			
	Clause 31.0		
	The inclusion of materials and goods stored off site in the amount authorized for payment in terms of Clause 31.4 shall be at the sole discretion of the Principal Agent and such inclusion shall only be considered upon the provision, by the contractor, of an approved guarantee issued by a registered commercial bank. Clause 31.6.5 is therefore not applicable.		
Carried Forward			R
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<p style="text-align: right;">Brought Forward</p> <p>Clause 31.8 is amended by replacing it with the following two alternative clauses:</p> <p>Alternative A</p> <p>31.8(A) Where a security is selected in terms of 14.1; 14.5 or 14.6, 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:</p> <p>31.8(A).1 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the date of practical completion</p> <p>31.8(A).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</p> <p>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</p> <p>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</p>		R	
<p style="text-align: right;">Carried Forward</p> <p>Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL LIKUBU PRIMARY SCHOOL</p>		R	

	Brought Forward		R
	<p>Alternative B</p> <p>31.8(B) Where security is a payment reduction in terms of 14.7 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:</p> <p>31.8(B).1 Ninety per cent (90%) of such value in interim payment certificates issued up to the date of practical completion</p> <p>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</p> <p>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</p> <p>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</p> <p>31.9 is amended by replacing "twenty-one (21) calendar days" with thirty (30) calendar days</p> <p>Clause 31.12 is amended by deleting the following:</p> <p>Payment shall be subject to the employer giving the contractor a tax invoice for the amount due</p> <p>F:..... V:..... T:.....</p>		
31		Item	
	<u>A32 ADJUSTMENT TO THE CONTRACT VALUE</u>		
	Clause 32.0		
	Carried Forward		R
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	Brought Forward		R
	Clauses 32.5.1, 32.5.4 and 32.5.7 are amended by the addition of the following at the end of the sentence: "due to no fault of the contractor "		
32	F:..... V:..... T:.....	Item	
	<u>A33 RECOVERY OF EXPENSE AND LOSS</u>		
	Clause 33.0		
	Clause 33.2 is amended by adding the following clauses:		
	33.2.9 the contractors failure or neglect to commence with the works on the dates prescribed in the contract		
	33.2.10 the contractors failure or neglect to proceed with the works in terms of the contract		
	33.2.11 the contractors failure or neglect for any reason to complete the works in accordance with the contract		
	33.2.12 the contractors refusal or neglect to comply strictly with any of the conditions of contract or any contract instructions and/or orders in writing given in terms of the contract		
	33.2.13 the contractors estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa		
33	F:..... V:..... T:.....	Item	
	<u>A34 FINAL ACCOUNT AND FINAL PAYMENT</u>		
	Clause 34.0		
	Carried Forward		R
	Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL LIKUBU PRIMARY SCHOOL		

	Brought Forward		R	
	<p>Clause 34.13 is amended by replacing seven (7) calendar days with twenty-one (21) calendar days and deleting the words subject to the employer giving the contractor a tax invoice for the amount due</p>			
34	<p>F:..... V:..... T:.....</p>	Item		
	<u>A35 PAYMENT TO OTHER PARTIES</u>			
	Clause 35.0			
35	<p>F:..... V:..... T:.....</p>	Item		
	<u>CANCELLATION</u>			
	<u>A36 CANCELLATION BY EMPLOYER - CONTRACTORS DEFAULT</u>			
	Clause 36.0			
	<p>Clause 36.3 is amended by removing the reference to No clause and replacing the words principal agent with employer</p> <p>Clause 36.0 is amended by the addition of the following clause:</p> <p>36.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p>			
36	<p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	<p>Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL LIKUBU PRIMARY SCHOOL</p>			

Brought Forward		R
<p><u>A37 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE</u></p> <p>Clause 37.0</p> <p>Clause 37.0 is amended by the addition of the following clause:</p> <p>37.5 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p> <p>37 F:..... V:..... T:.....</p> <p><u>A38 CANCELLATION BY CONTRACTOR - EMPLOYERS DEFAULT</u></p> <p>Clause 38.0</p> <p>Clause 38.0 is amended by the addition of the following clause:</p> <p>38.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p> <p>38 F:..... V:..... T:.....</p> <p><u>A39 CESSATION - CANCELLATION OF THE WORKS</u></p> <p>Clause 39.0</p>	<p>Item</p> <p>Item</p>	<p>R</p>
Carried Forward		R
<p>Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL LIKUBU PRIMARY SCHOOL</p>		

	Brought Forward		R	
39	F:..... V:..... T:.....	Item		
	<u>A40 DISPUTE SETTLEMENT</u>			
	Clause 40.0			
	Clause 40.2.2 is amended by replacing one (1) year with three (3) years			
	Clause 40.6 is amended by removing the reference to:			
	No clause			
	Clause 40.7.1 is amended by replacing (10) with (15) and by the addition of the following:			
	Whether or not mediation resolves the dispute, the parties shall bear their own cost concerning the mediation and equally share the costs of the mediator and related costs			
40	F:..... V:..... T:.....	Item		
	<u>SUBSTITUTE PROVISIONS</u>			
	<u>A41 STATE CLAUSES</u>			
	Clause 41.0			
41	F:..... V:..... T:.....	Item		
	<u>THE SCHEDULE</u>			
	Information necessary for completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder			
	Pre-tender information (clause 42)			
	Carried Forward		R	
	Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL LIKUBU PRIMARY SCHOOL			

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

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

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

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

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

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

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

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

[illegible]

<p style="text-align: right;">Brought Forward</p> <p>This schedule contains all variables referred to in this document and is divided into pre-tender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of these Preliminaries.</p> <p>Spaces requiring information must be filled in, shown as not applicable or deleted and not left blank. Where choices are offered, the non-applicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross-referenced to the applicable clause of the schedule. Key cross reference clauses are italicised in [] brackets</p> <p><u>12.1 PRE TENDER INFORMATION</u></p> <p>12.1.1 Provisional Bills of Quantities [2.2] The quantities are provisional</p> <p>12.1.2 Availability of construction documentation [2.3] <i>Construction of documentation is complete</i> YES</p> <p>12.1.3 Interest of agents [2.4] Details: None</p> <p>12.1.4 Defined works area [3.1] Details: Restrictions will be pointed out at the site inspection</p> <p>12.1.5 Geotechnical investigation [3.2] Details: N/A</p> <p>12.1.6 Existing premises occupied [3.4] Specific requirements: N/A</p> <p>12.1.7 Previous work - dimensional accuracy [3.5] Details:</p> <p>12.1.8 Previous work - defects [3.6] Details:</p> <p>12.1.9. Services - known [3.7] Details: Existing services and points of connection will be pointed out on site by the principal agent</p> <p style="text-align: right;">Carried Forward</p> <p>Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL LIKUBU PRIMARY SCHOOL</p>		R	
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<p style="text-align: right;">Brought Forward</p> <p>12.1.10 Protection of trees [3.9] Specific requirements:</p> <p>12.1.11 Inspection of adjoining properties [3.11] Specific requirements:</p> <p>12.1.12 Enclosure of the works [6.2} Specific requirements:</p> <p>12.1.13 Offices [6.4.3] Specific requirements: The contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the principal agent, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chair, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times.</p> <p>12.1.14 Main notice board [6.5] Specific requirements: The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3m, constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted ivory white and the bead and 12mm wide dividing lines dark green. All wording shall be inscribed in dark green as per the coat of arms for SA. All wording shall be inscribed in dark green painted sans serif lettering.</p> <p>12.1.15 Subcontractors' notice board [6.6] Specific requirements:</p> <p style="text-align: right;">NO</p> <p>12.1.16 Water [7.2} Option A (by contractor)</p> <p style="text-align: right;">YES</p> <p>Option B (by employer - free of charge)</p> <p style="text-align: right;">NO</p> <p>Option C (by employer - metered)</p> <p style="text-align: right;">NO</p> <p style="text-align: right;">Carried Forward</p> <p>Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL LIKUBU PRIMARY SCHOOL</p>		R	
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Brought Forward		R	
12.1.17 Electricity			
[7.3] Option A (by contractor)	YES		
Option B (by employer - free of charge)	NO		
Option C (by employer - metered)	NO		
12.1.18 Telecommunications			
[7.4] Telephone	YES		
Facsimile	YES		
E-mail	YES		
12.1.19 Ablution facilities			
[7.5] Option A (by contractor)	YES		
Option B (by employer)	NO		
12.1.20 Protection of existing/sectionally occupied works			
[11.2] Protection is required	YES		
12.1.21 Special attendance			
[9.2] N/A			
12.1.22 Protection of works			
[11.1] Specific requirements:			
12.1.23 Disturbance			
[11.5] Specific requirements:			
The contractor shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the principal agent			
12.1.24 Environmental disturbance			
[11.6] Specific requirements:			
Carried Forward		R	
Bill No. 1			
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LIKUBU PRIMARY SCHOOL			

	Brought Forward		R
	<u>12.2 POST-TENDER INFORMATION</u>		
	12.2.1 <i>Payment of preliminaries</i>		
	[10.2] Option A (prorated)	YES/NO	
	Option B (calculates)	YES/NO	
	12.2.2 <i>Adjustment of preliminaries</i>		
	[10.3] Option A (three categories)	YES/NO	
	Option B (detailed breakdown)	YES/NO	
	12.2.3 <i>Additional agreed preliminaries items</i>		
	Details:		
	<u>SECTION C - SPECIFIC PRELIMINARIES</u>		
	Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item		
	<u>C1 CONTRACT DRAWINGS</u>		
	The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed		
	Should any part of the drawings not be clearly intelligible to the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent		
102	F:..... V:..... T:.....	Item	
	Carried Forward		R
	Bill No. 1 Preliminaries		
	SECTION 1 - PRELIMINARIES AND GENERAL LIKUBU PRIMARY SCHOOL		

	Brought Forward		R	
	<u>C2 MODEL PREAMBLES FOR TRADES PREAMBLES</u>			
	The items in these bills of quantities are to be read and priced in conjunction with and the descriptions regarded as amplified by the Model Preambles for Trades as recommended and published by the Association of South African Quantity Surveyors, 1997 edition, and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained			
103	F:..... V:..... T:.....	Item		
	<u>C3 TRADE NAMES</u>			
	Wherever a trade name for any product has been described in the bills of quantities , the tenderers attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for			
104	F:..... V:..... T:.....	Item		
	<u>C4 OCCUPATIONAL HEALTH AND SAFETY</u>			
	Allowance to be made under this clause for compliance with all requirements of the occupational health and safety act and regulations			
105	F:..... V:..... T:.....	Item		
	Health & Safety (clause C15)			
	Carried Forward		R	
	Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL LIKUBU PRIMARY SCHOOL			

106	<p style="text-align: center;">Brought Forward</p> <p>The Contractor shall allow for Health and Safety according to the Occupational Health and Safety Act, 1993, Construction Regulations 2014 as per Government Notice. Contractor to include all OHS requirements such as PPE, safety file, training, medicals, signage, safety officer and covid regulations</p> <p><u>Occupational Health and Safety Act</u></p> <p><u>The contractor shall comply with all the requirements set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the Employer, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause, as well as the clauses that follow hereafter and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced under these clauses and no additional claims in this regard shall be entertained</u></p> <p>F:..... V:..... T:.....</p>	Item	R	
	<p style="text-align: center;">Carried Forward</p> <p>Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL LIKUBU PRIMARY SCHOOL</p>		R	

	Brought Forward		R	
	<u>The contractor shall also comply with the additional requirements with regard to the Coronavirus pandemic in terms of all Covid-19 legislation, regulations and guidelines. It is explicitly pointed out that all requirements of the aforementioned are deemed to be priced under this clause and the specific related clauses hereafter and no additional claims in this regard shall be entertained</u>			
107	F:..... V:..... T:.....	Item		
	<u>Provision of reflective vests</u>			
108	F:..... V:..... T:.....	Item		
	<u>Principal contractor's initial obligations in respect of the Health and Safety Act, Construction Regulations and Covid-19 regulations, etc</u>			
109	F:..... V:..... T:.....	Item		
	<u>Principal contractor's time related obligations in respect of the Health and Safety Act, Construction Regulations and Covid-19 regulations, etc</u>			
110	F:..... V:..... T:.....	Item		
	<u>Provision of personal protective equipment (PPE)</u>			
	<u>Provision of reflective vests</u>			
111	F:..... V:..... T:.....	Item		
	<u>Provision of hard hats</u>			
112	F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL LIKUBU PRIMARY SCHOOL			

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

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

	Brought Forward		R	
	<u>Medical certificates and medical surveillance including initial (baseline) medical examinations, periodic examinations, and exit examinations</u>			
128	F:..... V:..... T:.....	Item		
	<u>Medical screenings, examinations, etc in terms of Covid-19 regulations</u>			
129	F:..... V:..... T:.....	Item		
	<u>Induction training, including Covid-19 training</u>			
130	F:..... V:..... T:.....	Item		
	<u>Provision of first aid boxes to GSR requirements</u>			
131	F:..... V:..... T:.....	Item		
	<u>Noise monitoring including establishment of noise zones (plant), audiograms (personnel), etc</u>			
132	F:..... V:..... T:.....	Item		
	<u>Submission of health and safety file</u>			
133	F:..... V:..... T:.....	Item		
	<u>HIV/AIDS Awareness</u>			
	<u>It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document. Provision for pricing of HIV/AIDS awareness is made under items hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained.</u>			
	Carried Forward		R	
	Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL LIKUBU PRIMARY SCHOOL			

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

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

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

SECTION 2

REPAIRS AND MAINTENANCE WORKS

Item No		Quantity	Rate	Amount
	<p><u>SECTION 2</u> <u>BILL NO. 1</u> <u>DEMOLITIONS</u> <u>(PROVISIONAL)</u></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u> Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><u>Explosives</u> No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u> Water supply pipes and other piping in ground that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings to the satisfaction of the principal agent</p> <p>Unless otherwise described all materials are to become the property of the contractor and are to be removed from the site</p>			
	Carried Forward		R	
	Bill No. 1 Demolitions SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL			

<p style="text-align: center;">Brought Forward</p> <p>Doors, fanlights, windows, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p><u>NOTE</u></p> <p>The Contractor is advised to visit the site prior to pricing the following items in order to ascertain the exact nature and full extent of the works as no liability whatsoever shall be accepted as a result of brevity of descriptions.</p> <p>All dimensional descriptions are to be treated as approximate</p> <p>The Contractor shall, in all cases, allow for disposal of materials arising from demolition and alteration works. This shall apply even if it is not expressly provided for on the description of an item</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Bill No. 1 Demolitions SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL</p>		R	

Brought Forward			R
<p>Demolition of brick walls shall be deemed to include removal and carting away sundry items existing within the walls to be demolished except for doors, door frames and window frames which are elsewhere measured.</p> <p>The Contractor will be held responsible for and is to make good at his own expense any damage caused to the existing remaining structures and surrounding buildings and all work not to be removed during the progress of the works and also to any fittings, etc., and is to leave all perfect and watertight on completion, cover and protect as necessary</p> <p><u>TEMPORARY BARRIERS, SCREENS ETC</u></p> <p><u>Temporary barriers, screens etc, including removal</u></p>			
1	Dust screen minimum 1800mm high formed of suitable timber or steel framing with 375 micron polyethylene sheeting or equally approved material, fixed onto one side, including corners, ends, etc including all access gates and the removal of such upon completion of the works (As per Architect's specification)	m	591
<p><u>DEMOLITIONS</u></p> <p><u>Demolishing and removing</u></p>			
2	Block C - Single storey building with walkway - pitched roof, approximately 11689mm x 5301mm on plan, comprising reinforced concrete surface bed, brick walls, and roof sheeting on timber trusses, including grubbing up all foundations, removal and safe disposal thereof complete, including any safe disposal certificates were required	No	1
3	Block D - Single storey building with walkway - pitched roof, approximately 47162mm x 9149mm on plan, comprising reinforced concrete surface bed, brick walls, and roof sheeting on timber trusses, including grubbing up all foundations, removal and safe disposal thereof complete, including any safe disposal certificates were required	No	1
Carried Forward			R
<p>Bill No. 1 Demolitions SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL</p>			

Brought Forward			R
4	Block E - Single storey building with walkway - pitched roof, approximately 47210mm x 9149mm on plan, comprising reinforced concrete surface bed, brick walls, and roof sheeting on timber trusses, including grubbing up all foundations, removal and safe disposal thereof complete, including any safe disposal certificates were required	No	1
5	Block L - Single storey building with walkway - pitched roof, approximately 38630mm x 8860mm on plan, comprising reinforced concrete surface bed, brick walls, and roof sheeting on timber trusses, including grubbing up all foundations, removal and safe disposal thereof complete, including any safe disposal certificates were required	No	1
6	Block N - Single storey building with walkway - pitched roof, approximately 18413mm x 2770mm on plan, comprising reinforced concrete surface bed, brick walls, and roof sheeting on timber trusses, including grubbing up all foundations, removal and safe disposal thereof complete, including any safe disposal certificates were required	No	1
7	Block P - Single storey building with walkway - pitched roof, approximately 8087mm x 7695mm on plan, comprising reinforced concrete surface bed, brick walls, and roof sheeting on timber trusses, including grubbing up all foundations, removal and safe disposal thereof complete, including any safe disposal certificates were required	No	1
8	Interlinking walkways with pitched roof, approximately 20000mm x 2000mm wide on plan, comprising reinforced concrete surface bed, all steel members, roof sheeting etc, including grubbing up all foundations, removal and disposal thereof complete	No	1
<u>CREDITS</u>			
<u>Allowance for credit for materials salvaged from demolitions</u>			
9	Items allocated for Block C, D, E, L, N, P and walkways, as detailed above	Item	
Carried to Summary			R
Bill No. 1 Demolitions SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL			

Item No		Quantity	Rate	Amount
	<p><u>SECTION 2</u> <u>BILL NO. 2</u> <u>ALTERATIONS</u> <u>(PROVISIONAL)</u></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u> Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><u>Explosives</u> No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u> Water supply pipes and other piping in ground that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings to the satisfaction of the principal agent</p> <p>Unless otherwise described all materials are to become the property of the contractor and are to be removed from the site</p>			
	Carried Forward		R	
	Bill No. 2 Alterations SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL			

<p style="text-align: center;">Brought Forward</p> <p>Doors, fanlights, windows, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p><u>NOTE</u></p> <p>The Contractor is advised to visit the site prior to pricing the following items in order to ascertain the exact nature and full extent of the works as no liability whatsoever shall be accepted as a result of brevity of descriptions.</p> <p>All dimensional descriptions are to be treated as approximate</p> <p>The Contractor shall, in all cases, allow for disposal of materials arising from demolition and alteration works. This shall apply even if it is not expressly provided for on the description of an item</p> <p style="text-align: center;">Carried Forward</p> <p>Bill No. 2 Alterations SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL</p>		R	
		R	

Brought Forward			R
<p>Demolition of brick walls shall be deemed to include removal and carting away sundry items existing within the walls to be demolished except for doors, door frames and window frames which are elsewhere measured.</p> <p>The Contractor will be held responsible for and is to make good at his own expense any damage caused to the existing remaining structures and surrounding buildings and all work not to be removed during the progress of the works and also to any fittings, etc., and is to leave all perfect and watertight on completion, cover and protect as necessary</p> <p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>Breaking up and removing mass concrete</u></p>			
1	Average 120mm thick surface bed	m2	8
<p><u>Breaking down and removing brickwork etc</u></p>			
2	Half brick walls (Loose brickwork)	m2	10
<p><u>Taking out and removing doors, windows etc from brickwork, including all ironmongery, thresholds, sills etc, and making good cement plaster on both sides, where required</u></p>			
3	Single door and frame not exceeding 2.5m2	No	9
4	Double door and frame exceeding 2.5m2 and not exceeding 5.0m2	No	1
5	Glazed windows not exceeding 2.5m2	No	22
<p><u>Taking down and removing roofs, floors, panelling, ceilings, partitioning etc</u></p>			
6	Gypsum plasterboard ceilings including all cornices and preparing the existing brandering etc for new ceilings (elsewhere measured)	m2	224
Carried Forward			R
<p>Bill No. 2 Alterations SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL</p>			

Brought Forward			R
<u>Taking down and removing sundry joinery, metal works, fittings etc</u>			
7	Timber skirtings plugged, including quarter round timber etc	m	101
8	Fibre cement (or similar) fascia and barge boards	m	155
<u>Taking up and removing vinyl floor coverings, carpeting etc and preparing screeds for new floor coverings</u>			
9	Vinyl tile floor coverings	m2	140
<u>Hacking up / off and removing granolithic, screeds, plaster etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes etc</u>			
10	Average 30mm screed from floors	m2	8
<u>Hacking up/off and removing ceramic tiles including removing the mortar bed / adhesive from concrete or brickwork and preparing surfaces for new screed, plaster, tile finish etc</u>			
11	Tiles to floors	m2	61
12	Tiles to walls	m2	10
13	Tile skirtings 100mm high	m	99
<u>Taking out and removing piping, sanitary fittings etc including disconnecting piping from fittings and making good floor and wall finishes if required (making good paintwork and tiling elsewhere measured)</u>			
14	Vitreous china wash hand basin, including any mirrors above	No	2
15	Vitreous china WC pan and cistern	No	7
16	Vitreous china urinal	No	2
17	Stainless steel sink	No	1
Carried Forward			R
Bill No. 2 Alterations SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward			R
18	Stainless steel wash hand basins (4 part component)	No	1
	<u>Taking out and removing piping, rainwater disposal items, including all fixings etc</u>		
19	Eaves gutters	m	296
20	Rainwater downpipes	No	26
	<u>Taking out and removing sundry steelworks</u>		
21	Balustrades, handrails etc complete including all necessary fixings	m	2
	<u>REPAIRING CRACKS TO CONCRETE FLOORS</u>		
	<u>Remedial works as per Engineering specifications</u>		
22	Groove open cracks in surface beds, slabs etc to form a "V" Groove. Remove all debris using a wire brush or pressure washer if required. Clean and dry surface around the crack, Repair / stitch using an approved cementitious non shrink grout or structural mortar mix, ensuring that the grout fills deep into the crack. Brush the surface smooth to match the texture of the existing surface allowing the grout / mortar to cure, as per Engineering specifications and Manufacturer's instructions	m	62
23	Ream out the top 15mm of joints in surface beds, slabs etc, remove all debris using a wire brush or pressure washer if required. Clean and dry surface around the crack, install an approved UV resistant polysulphide sealant ensuring that the sealant fills deep into the opening. Brush the surface smooth to match the texture of the existing surface allowing the sealant to cure, as per Engineering specifications and Manufacturer's instructions	m	36
	<u>REPAIRING CRACKS TO BRICK WALLS</u>		
Carried Forward			R
Bill No. 2 Alterations SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward			R
<u>Remedial works as per Engineering specifications</u>			
24	Groove open cracks in walls vertically and/or diagonally above/below windows and doors etc to form a "V" Notch. Remove all debris using a wire brush or pressure washer if required. Clean and dry surface around the crack, Saw cut the "V" Grooves perpendicular to the crack length and epoxy R8 bars in grooves at 250mm centres over the crack length. Fill with approved cementitious non shrink grout or structural mortar mix using mesh reinforcement Ref 100. Brush the surface smooth allowing the grout / mortar to cure, as per Engineering specifications and Manufacturer's instructions	m	208
25	Ream out the top 15mm of joints in brickwork etc, remove all debris using a wire brush or pressure washer if required. Clean and dry surface around the crack, install an approved UV resistant polysulphide sealant ensuring that the sealant fills deep into the opening. Brush the surface smooth to match the texture of the existing surface allowing the sealant to cure, as per Engineering specifications and Manufacturer's instructions	m	76
<u>BUILDING UP OPENINGS</u>			
<u>Sundries</u>			
26	Cutting toothings and bonding new brickwork to existing brickwork (rate only)	m2	10
<u>PREPARATORY WORK TO EXISTING SURFACES</u>			
<u>Existing brick walls</u>			
27	Cleaning of all walls, piers, posts etc with sugar soap or a similar approved method (As per Architectural specifications)	Item	
Carried Forward			R
Bill No. 2 Alterations SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward			R
28	Treat all areas of mould and fungal growth by applying a coat of micro-organism treatment biocide as per Manufacturer's instructions. Prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	m2	1,883
Existing floors			
29	Preparing screeds using a "Pavelite" or similar compound to create a sound, smooth and level surface in accordance with SANS (As per Architectural specifications) in preparation for new finishes (elsewhere measured)	m2	201
30	Preparing screeds and / or existing external floor surfaces (including such to stairs, landings etc) to create a sound, level surface in accordance with SANS (As per Architectural specifications)	m2	24
Existing Windows			
31	Block A: Type T1 size 1300mm x 510mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	14
32	Block A: Type T2 size 1270mm x 600mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	7
33	Block A: Type T3 size 1000mm x 590mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	7
Carried Forward			R
Bill No. 2 Alterations SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward			R
34	Block F: Type T1 size 1300mm x 500mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	12
35	Block F: Type T2 size 1230mm x 1380mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	16
36	Block I: Type T1 size 1300mm x 980mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	18
37	Block I: Type T2 size 1300mm x 520mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	2
38	Block I: Type T3 size 400mm x 590mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	4
39	Block J&K, M & O: Type T1 size 970mm x 600mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	27
40	Block J&K: Type T2 size 1460mm x 600mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	4
Carried Forward			R
Bill No. 2 Alterations SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward			R
41	Removal of paint from existing glazed windows and, clean, in preparation for installation of new vinyl film (elsewhere measured)	m2	35
<u>Existing Doors</u>			
42	External single doors approximate size 900mm x 2100mm high - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	16
43	External gates to the above single doors - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	16
44	External double doors approximate size 1600mm x 2100mm high - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	2
45	External gates to the above double doors - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	2
46	Internal single doors approximate size 900mm x 2100mm high - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	58
Carried Forward			R
Bill No. 2 Alterations SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward			R
47	Internal double doors approximate size 1600mm x 2100mm high - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No 2	
<u>MAKING GOOD OF FINISHES</u>			
<u>Making good brickwork</u>			
48	Making good brickwork where loose bricks were removed	m2 10	
<u>Making good internal cement plaster</u>			
49	Walls in patches	m2 10	
<u>BUDGETARY ALLOWANCES</u>			
50	Allow a budgetary allowance of R200,000.00 (Two hundred thousand rands) for any additional demolitions and alterations works, to be allocated as per the instruction from the Principal Agent	Item	200,000.00
51	Allow a budgetary allowance of R100,000.00 (One hundred thousand rands) for the removal and carting away of rubble from the service lanes, to be allocated as per the instruction from the Principal Agent	Item	100,000.00
Carried to Summary			
Bill No. 2 Alterations			
SECTION 2 - REPAIR AND MAINTENANCE WORKS			
LIKUBU PRIMARY SCHOOL			

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

Brought Forward			R
Formwork to soffits of (solid) slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described			
Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"			
<u>REINFORCED CONCRETE</u>			
<u>25MPa/19mm concrete</u>			
1	Underpinning to existing brick walls, including excavations alongside the existing foundations in limited lengths, down to the new founding levels, casting new reinforced concrete footings, average size 1000mm x 300mm thick, including all working spaces, shoring, backfilling, formwork, concrete, reinforcement etc complete (As per Engineering specifications)	m	272
2	Surface beds cast in panels on waterproofing	m3	2
<u>CONCRETE SUNDRIES</u>			
<u>Test Blocks</u>			
3	Making and testing set of three 150 x 150 x 150mm concrete strength test cubes	No	5
<u>Finishing top surfaces of concrete smooth with a wood float including non-slip brush finish</u>			
4	Surface beds, slabs, etc	m2	8
<u>REINFORCEMENT</u>			
<u>Fabric reinforcement</u>			
5	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	8
Carried to Summary			R
Bill No. 3 Concrete, Formwork & Reinforcement SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL			

Item No		Quantity	Rate	Amount
	<u>SECTION 2</u> <u>BILL NO. 4</u> <u>WATERPROOFING</u> <u>(PROVISIONAL)</u>			
	<p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Waterproofing Waterproofing of roofs, basements, etc. shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs.			
	<u>DAMPPROOFING OF WALLS AND FLOORS</u>			
	<u>One layer 375 micron embossed "Gunplas Brikgrip" polyethylene damp proof course fixed with approved adhesive</u>			
1	In walls, stepped up in cavities, under cills, etc.	m2	30	
	<u>BUDGETARY ALLOWANCES</u>			
2	Allow a budgetary allowance of R50,000.00 (Fifty thousand rands) for sourcing, isolating and repairing water leaks / ingress of water causing damage to the walls, floors etc, to be allocated as per the instruction from the Principal Agent		Item	50,000.00
	Carried to Summary			R
	Bill No. 4 Waterproofing SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL			

Item No		Quantity	Rate	Amount
<u>SECTION 2</u> <u>BILL NO. 5</u> <u>ROOF COVERINGS</u> <u>(PROVISIONAL)</u>				
NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract				
<u>PROFILED FIBRE-CEMENT SHEETING AND ACCESSORIES</u>				
<u>Safintra 0.55mm thick 700mm cover Saflok 700 Colorplus interlocking concealed fix roof covering, fixed to timber purlins at 2112mm centres and end span purlins at 1920mm centres by means of SL 700 Clip 21 clips secured to purlins in combination with a suitable class Safintra approved water head self-tapping fasteners, all in accordance with manufacturer's recommendations, as per Architectural specifications</u>				
1	Eaves fillers	m	155	
2	Polyclosures to suit profile	m	155	
Carried to Summary				
Bill No. 5 Roof Coverings SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL				

Item No		Quantity	Rate	Amount
<u>SECTION 2</u> <u>BILL NO. 6</u> <u>CARPENTRY AND JOINERY</u> <u>(PROVISIONAL)</u>				
NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Fixing</u>				
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete				
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere				
<u>SKIRTINGS</u>				
<u>Wrought Meranti</u>				
1	100 x 18mm Skirting plugged, including quarter round timber	m	101	
<u>DOORS ETC</u>				
<u>Semi-solid flush panel doors</u>				
2	Standard internal door size 813 x 2032 x 40mm	No	6	
<u>Meranti Timber Doors</u>				
3	813 x 2032mm high Framed, ledged and braced meranti door	No	4	
<u>Solid flush panel doors with hardboard both sides and two concealed edges</u>				
Carried Forward				
Bill No. 6 Carpentry and Joinery SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL				
			R	

Brought Forward			R
<u>FRAMED FRAMES ETC</u>			
<u>Hardwood Frames, stained as per Architectural specifications</u>			
4	76 x 44mm Frames suitable for single doors	No 6	
5	76 x 44mm Frames suitable for double doors	No 1	
<u>BUDGETARY ALLOWANCES</u>			
6	Allow a budgetary allowance of R10,000.00 (Ten thousand rands) for the necessary replacement of the fire cupboard panels to Block A, to be allocated as per the instruction from the Principal Agent	Item	10,000.00
7	Allow a budgetary allowance of R25,000.00 (Twenty five thousand rands) for the necessary replacement of the timber purlins to Block O, to be allocated as per the instruction from the Principal Agent	Item	25,000.00
Carried to Summary			R
Bill No. 6 Carpentry and Joinery SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL			

Item No		Quantity	Rate	Amount
	<p><u>SECTION 2</u> <u>BILL NO. 7</u> <u>CEILING, PARTITIONING & ACCESS</u> <u>FLOORING</u> <u>(PROVISIONAL)</u></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Electrical light fittings, diffusers, panels, etc generally are "lay in" units of the same / similar dimensions as the ceiling grid described and allowance must be made accordingly for their support inclusive of any flexibility inseting out that may be required (ceiling panels / boards have not been deducted and pricing is to take cognisance thereof)</p> <p><u>NAILED UP CEILINGS</u></p> <p><u>6,4mm "Gyproc RhinoBoard" flush plastered ceilings and bulkheads with square edged RhinoBoard fixed print side up with 25mm Rhinoboard sharp point screws at 150mm centres to Donn steel brander at 300mm centres in one direction. All joints to be covered with RhinoTape fixed over joints, double over butt joints, plastered with 3mm to 6mm thick Rhinolite multipurpose plaster, all fixed to slab / timber rafters at centres not exceeding 1000mm, all in accordance with the manufacturer recommendations</u></p>			
1	Ceilings including 50 x 50 mm sawn softwood brander at 400mm centres in one direction only to trusses (elsewhere) at 1,5mm centres	m2	224	
	Carried Forward		R	
	<p>Bill No. 7 Ceilings, Access Flooring etc SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL</p>			

Brought Forward				R
2	Extra over ceiling for 600 x 600mm trap door of 38 x 76mm wrought softwood rebated framing with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	4	
	<u>"Rhino" or similar approved Moulded Gypsum Cornices</u>			
3	75mm Coved cornice	m	247	
	<u>CEILING INSULATION</u>			
	<u>Aerolite insulation</u>			
4	100mm Thick insulation closely fitted and laid on top of ceilings including cutting and fitting around roof timbers	m2	191	
Carried to Summary				R
Bill No. 7				
Ceilings, Access Flooring etc				
SECTION 2 - REPAIR AND MAINTENANCE WORKS				
LIKUBU PRIMARY SCHOOL				

Item No		Quantity	Rate	Amount
	<u>SECTION 2</u> <u>BILL NO. 8</u> <u>FLOOR COVERINGS</u> <u>(PROVISIONAL)</u>			
	<p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Fixing</u> Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc			
	<u>VINYL FLOOR COVERINGS, WALL LININGS, ETC</u> All vinyl flooring materials require a smooth, hard, clean, true and level surface, not only for appearance but also for achieving a satisfactory adhesive bond and long term durability The main contractor shall ensure that the sub-floor is acceptable to receive the vinyl flooring specified in respect of levelness, smoothness, soundness and cleanness			
	<u>FLOOR COVERINGS</u>			
	<u>300 x 300mm Non-slip resilient vinyl tile floor covering (Polyflor XL 2mm thick fully flexible PVC sheet flooring laid) as per manufacturer's recommendations on screed</u>			
1	On floors	m2	140	
	<u>POLISH, SEALERS, ETC</u>			
	<u>Polish on vinyl flooring</u>			
2	Two coats of approved wax polish on vinyl flooring	m2	140	
	Carried to Summary			R
	Bill No. 8 Floor Coverings SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL			

Item No		Quantity	Rate	Amount
	<p><u>SECTION 2</u> <u>BILL NO. 9</u> <u>IRONMONGERY</u> <u>(PROVISIONAL)</u></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Finishes to ironmongery</u></p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded</p> <p><u>HINGES, BOLTS, ETC</u></p> <p><u>"Union" or equal and approved</u></p> <p>1 Brass butt hinges No 31</p> <p>2 CP WC indicator bolt with keep No 4</p> <p><u>LOCKS, CATCHES, CABIN HOOKS, ETC</u></p> <p><u>"Union" or equal and approved</u></p> <p>3 CP four lever lockset with striking plate No 6</p> <p>4 51mm Padlock No 4</p> <p>5 Master key No 1</p> <p style="text-align: right;">Carried Forward</p> <p>Bill No. 9 Ironmongery SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL</p>			
			R	

Brought Forward			R	
6	Grand master key	No	1	
	<u>HANDLES</u>			
	<u>"Union" or equal and approved</u>			
7	Satin chrome lever handle on plate back to back	No	6	
8	SS lever handle on plate W/C bathroom	No	4	
	<u>SUNDRIES</u>			
	<u>"Union" or equal and approved</u>			
9	Code: 140/69 - S/Steel floor mount doorstep	No	10	
10	Code: 154/69 - S/S Hat and coat hook with rubber buffer	No	6	
	<u>VINYL FILM TO WINDOWS</u>			
	<u>Applied to existing prepared surfaces to reduce sunlight glare</u>			
11	To glazed windows	m2	35	
	<u>BUDGETARY ALLOWANCES</u>			
12	Allow a budgetary allowance of R5,000.00 (Five thousand rands) for the installation of grab rails to paraplegic toilet, to be allocated as per the instruction from the Principal Agent		Item	5,000.00
13	Allow a budgetary allowance of R10,000.00 (Ten thousand rands) for the replacement of blinds to Block A, to be allocated as per the instruction from the Principal Agent		Item	10,000.00
Carried to Summary			R	
Bill No. 9 Ironmongery SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL				

Item No	Quantity	Rate	Amount																
<p><u>SECTION 2</u> <u>BILL NO. 10</u> <u>METALWORK</u> <u>(PROVISIONAL)</u></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Descriptions</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Metalwork described as"holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p><u>SUNDRY STAINLESS STEELWORK</u></p> <p><u>Grade 306 stainless steel balustrades with top and vertical rails to be 50.8mm diameter stainless steel and horizontal and intermediate stainless steel railings are to be fixed to vertical posts with no more than 100mm gap between railings, all to comply with SANS 10400 (As per Architectural Specifications)</u></p> <tr> <td>1</td><td>1000mm High <u>fixed to concrete surfaces / walkways</u></td><td>m</td><td>2</td></tr> <tr> <td colspan="4"> <p><u>MILD STEEL DOORS, FRAMES ETC</u></p> </td></tr> <tr> <td colspan="3"> <p>Carried Forward</p> </td><td>R</td></tr> <tr> <td colspan="4"> <p>Bill No. 10 Metalwork SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL</p> </td></tr>				1	1000mm High <u>fixed to concrete surfaces / walkways</u>	m	2	<p><u>MILD STEEL DOORS, FRAMES ETC</u></p>				<p>Carried Forward</p>			R	<p>Bill No. 10 Metalwork SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL</p>			
1	1000mm High <u>fixed to concrete surfaces / walkways</u>	m	2																
<p><u>MILD STEEL DOORS, FRAMES ETC</u></p>																			
<p>Carried Forward</p>			R																
<p>Bill No. 10 Metalwork SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL</p>																			

Brought Forward			R
<u>1.2mm Double rebated frames including all sealing etc as per Architectural specifications</u>			
2	Frame for single door, size 813 x 2032 mm high	No	9
3	Frame for double door, size 1600 x 2032 mm high	No	1
<u>French doors</u>			
4	Double cottage pane french door size 1524 x 2100mm high including locks, handles, ironmongery complete including sealing at all brickwork, as per Architectural specifications	No	1
<u>Metal gates</u>			
5	Gate overall approximate size 900 x 2032mm high gate with 50 x 50mm mild steel square frame and 10 x 10mm mild steel bars placed at 100mm centres at 45 degree angles, hung with two pair of galvanised mild steel hinges including locks, handles, ironmongery complete, as per Architectural specifications	No	3
6	Gate overall approximate size 1600 x 2032mm high two leaf gate with 50 x 50mm mild steel square frame and 10 x 10mm mild steel bars placed at 100mm centres at 45 degree angles, hung with two pair of galvanised mild steel hinges including locks, handles, ironmongery complete, as per Architectural specifications	No	1
<u>MILD STEEL WINDOWS, LOUVRES, DOORS, ETC.</u>			
<u>Standard Steel "School Type" metal windows as per Architectural specifications including all brass fittings</u>			
7	Block A: Type T1 size 1300mm x 510mm high	No	3
8	Block A: Type T2 size 1270mm x 600mm high	No	1
9	Block A: Type T3 size 1000mm x 590mm high	No	1
10	Block F: Type T1 size 1300mm x 500mm high	No	2
Carried Forward			R
Bill No. 10 Metalwork SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward			R
11	Block F: Type T2 size 1230mm x 1380mm high	No	3
12	Block I: Type T1 size 1300mm x 980mm high	No	4
13	Block I: Type T2 size 1300mm x 520mm high	No	1
14	Block I: Type T3 size 400mm x 590mm high	No	1
15	Block J&K, M & O: Type T1 size 970mm x 600mm high	No	5
16	Block J&K: Type T2 size 1460mm x 600mm high	No	1
<u>Burglar bars (as per Architectural specifications) made to standard "School Type" pattern to be welded at all intersections and against window frames to be fixed sections at inside of classroom and bent 75mm (or as approved) away from glass, fitted over entire window</u>			
17	To fit window to Block A: Type T1 size 1300mm x 510mm high	No	3
18	To fit window to Block A: Type T2 size 1270mm x 600mm high	No	1
19	To fit window to Block A: Type T3 size 1000mm x 590mm high	No	1
20	To fit window to Block F: Type T1 size 1300mm x 500mm high	No	2
21	To fit window to Block F: Type T2 size 1230mm x 1380mm high	No	3
22	To fit window to Block I: Type T1 size 1300mm x 980mm high	No	4
23	To fit window to Block I: Type T2 size 1300mm x 520mm high	No	1
24	To fit window to Block I: Type T3 size 400mm x 590mm high	No	1
25	To fit window to Block J&K, M & O: Type T1 size 970mm x 600mm high	No	5
Carried Forward			R
Bill No. 10 Metalwork SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward			R
26	To fit window to Block J&K: Type T2 size 1460mm x 600mm high	No	1
<u>EAVES, VERGES, ETC</u>			
<u>Aluminium or similar approved fascia / barge boards</u>			
27	Aluminium barge boards including jointing strips etc if required, as per Architectural specifications	m	155
Carried to Summary			R
Bill No. 10 Metalwork SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL			

[illegible]

Item No	Quantity	Rate	Amount
<u>SECTION 2</u> <u>BILL NO. 12</u> <u>TILING</u> <u>(PROVISIONAL)</u>			
NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract			
<u>SUPPLEMENTARY PREAMBLES</u>			
Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding			
<u>WALL TILING</u>			
<u>200 x 200 x 10mm thick ceramic tiles (similar or equal approved) on plastered brickwork including adhesive backing etc</u>			
1	On splashbacks	m2	10
<u>FLOOR TILING</u>			
<u>500 x 500 x 13mm thick clay tiles, Type B1 laid on polymer cement adhesives</u>			
2	On floors, landings, treads etc	m2	61
3	Skirting 100mm high of cut stretcher course tiles	m	99
<u>Edge trims</u>			
4	"Genesis ESA 225" Aluminium edge trim to tiling	m	99
Carried Forward			R
Bill No. 12 Tiling SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL			

[illegible]

Item No	Quantity	Rate	Amount
<u>SECTION 2</u> <u>BILL NO. 13</u> <u>PLUMBING AND DRAINAGE</u> <u>(PROVISIONAL)</u>			
NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>RAINWATER DISPOSAL</u>			
<u>"Watertite" or similar approved aluminium</u>			
1	155 x 100 x 115mm Ogee eaves gutters	m	296
2	Extra over 155 x 100 x 115mm Ogee eaves gutter for stopped end	No	26
3	Extra over 155 x 100 x 115mm Ogee eaves gutter for outlet for 100 x 75mm pipe	No	26
4	100 x 75mm Rainwater pipes	m	104
5	Extra over 100 x 75mm rainwater pipe for bend	No	78
6	Extra over 100 x 75mm rainwater pipe for shoe	No	26
<u>SANITARY FITTINGS</u>			
Carried Forward			R
Bill No. 13 Plumbing and Drainage SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward			R
<u>STAINLESS STEEL - Franke or other approved</u>			
7	Kwikot Model SRHB-004 Grade 304 (18/10) Stainless Steel 4-bowl wash hand basin, approximate size 2144 x 420mm with 165mm deep bowls with 40mm waste outlets and fixed to wall using 25mm square stainless steel gallow brackets and supported with adjustable front legs, all in accordance with manufacturer's recommendations.	No	1
8	One piece drop in sink 0.9mm stainless steel, tap hole, mild steel gallow brackets and legs	No	1
<u>"Vaal" or equal Approved</u>			
9	"Lecico Atlas" Code ATLDUOBAS0500BE, white vitrous china 50cm basin with full pedestal, fixed with stainless steel screws and washers to plugs in wall and sealed with abe Dow Corning acetoxoy silicone sealant where basin meets wall, with 1 tap hole	No	3
10	"Lecico Madison" Code MADBOXDFL0SCSBE white vitreous china close couple suite including seat and cover bolted to bowl with metal washers and rubber gaskets, with cistern, with foot of bowl sealed to floor with abe Dow Corning acetoxoy silicone sealant	No	7
11	"Lecico Atlas" Code ATLBOXURI0B40BE white vitreous china 40cm urinal colour White, with back inlet and waste outlet including wall mounting brackets and connected to water supply, sealed with silicone sealant where urinal meets wall	No	2
<u>WASTES UNIONS ETC</u>			
<u>"Cobra Watertech"</u>			
12	32mm 301CP slotted basin waste union	No	4
13	40mm 316CP unslotted bath or sink waste union	No	1
Carried Forward			R
Bill No. 13 Plumbing and Drainage SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward			R
<u>TRAPS ETC</u>			
<u>"Flexitrap" flexible rubber traps, etc</u>			
14	50mm Deep seal "P" or "S" sink trap	No	4
<u>"Cobra Watertech"</u>			
15	32mm 345/50CP deep seal bottle trap with outlet for 50mm PVC	No	1
16	40mm 345/50CP deep seal bottle trap with outlet for 50mm PVC	No	1
<u>TAPS, VALVES, ETC</u>			
<u>Taps, valves, etc and joints to copper pipes including all necessary adaptors, etc</u>			
<u>"Cobra Watertech" or similar</u>			
17	15mm 232/350CP angle regulating valve with 350mm long bendable service pipe	No	1
18	15mm 832/350FCP ball type angle valve with 350mm long with 350mm long flexible hose connector	No	1
19	15mm ballovalve type valve	No	1
20	22mm 1003/125RB fullway gate valve	No	1
21	35mm Ballostop	No	1
22	50mm Ballostop	No	1
23	15mm Underwall stopcock	No	1
24	15 mm Brass hose tap	No	1
25	Plumline Moderna Chrome pillar taps (Code:038735)	No	3
<u>SANITARY PLUMBING</u>			
Carried Forward			R
Bill No. 13 Plumbing and Drainage SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward				R
<u>uPVC pipes</u>				
26	25mm Pipes	m	1	
27	50mm Pipes	m	1	
28	50mm Pipes chased in	m	1	
29	110mm Pipes	m	1	
30	110mm Pipes chased in	m	1	
<u>Extra on UPVC piping for the following fittings:</u>				
31	25mm fittings	No	1	
32	50mm Bend	No	1	
33	110mm Bend	No	1	
34	50mm access bend	No	1	
35	110mm access bend	No	1	
36	50mm Junction	No	1	
37	110mm Junction	No	1	
38	50mm access junction	No	1	
39	110mm access junction	No	1	
40	110mm reducing junction	No	1	
41	110mm pan connector	No	7	
42	110mm bent pan connector	No	1	
43	110mm IE pipe	No	1	
44	50mm "Two-way" vent valve	No	1	
45	110mm "Two-way" vent valve	No	1	
46	110mm rodding eye	No	1	
Carried Forward				R
Bill No. 13 Plumbing and Drainage SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL				

Brought Forward			R
<u>Sundries</u>			
47	Testing waste pipe system	Item	
<u>WATER SUPPLIES</u>			
<u>DOMESTIC AND FIRE</u>			
<u>Class 0 copper pipes</u>			
48	15mm Pipes	m	1
49	15mm Pipes chased in to brick walls	m	1
50	22mm Pipes	m	1
51	22mm Pipes chased in to brick walls	m	1
52	28mm Pipes	m	1
53	35mm Pipes	m	1
54	42mm Pipes	m	1
<u>Extra over class 0 copper pipes for capillary fittings</u>			
55	15mm fittings	No	1
56	22mm fittings	No	1
57	28mm fittings	No	1
58	35mm reducer	No	1
59	42mm reducer	No	1
60	35mm elbow	No	1
61	42mm elbow	No	1
62	35mm tee	No	1
63	42mm tee	No	1
Carried Forward			R
Bill No. 13 Plumbing and Drainage SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward			R
64	35mm reducing tee	No	1
65	42mm reducing tee	No	1
66	35mm copper to iron coupler	No	1
67	42mm copper to iron coupler	No	1
68	42mm copper to iron elbow	No	1
69	32mm copper to iron elbow	No	1
70	54 mm Elbow	No	1
71	54 mm Male iron elbow	No	1
<u>Extra over class 0 copper pipes for brass compression fittings</u>			
72	15mm fitting	No	1
73	22mm fittings	No	1
74	28mm fittings	No	1
75	35mm copper to iron coupler	No	1
76	42mm copper to iron coupler	No	1
<u>TESTING</u>			
77	Allow for testing the whole of the hot and cold water supply to the satisfaction of the architect and Local authority. All defective work to removed and made good at the contractors expense and the whole re tested until found satisfactory.	Item	
Carried Forward			R
Bill No. 13 Plumbing and Drainage SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward		R
<u>BUDGETARY ALLOWANCES</u>		
78	Allow a budgetary allowance of R50,000.00 (One hundred thousand rands) for the servicing of the existing sanitary fittings, including all necessary remedial and repair works, to be allocated as per the instruction from the Principal Agent	Item 50,000.00
79	Allow a budgetary allowance of R10,000.00 (Ten thousand rands) for the necessary remedial and repair works to surface drainage to Block J&K, to be allocated as per the instruction from the Principal Agent	Item 10,000.00
Carried to Summary		R
Bill No. 13 Plumbing and Drainage SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL		

[illegible]

Item No		Quantity	Rate	Amount
	<p><u>SECTION 2</u> <u>BILL NO. 15</u> <u>PAINTWORK</u> <u>(PROVISIONAL)</u></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>All paintwork in this contract shall, unless otherwise described, be executed using the "Plascon / Dulux" range of products, as per Architectural Specifications</p> <p><u>PAINTWORK ETC TO EXISTING AND NEW SURFACES</u></p> <p>Previously painted plastered surfaces Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p> <p>Previously painted metal surfaces Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p> <p>Previously painted wood surfaces Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p> <p><u>ON EXISTING FLOATED PLASTER</u></p>			
	Carried Forward		R	
	<p>Bill No. 15 Paintwork SECTION 2 - REPAIR AND MAINTENANCE WORKS LIKUBU PRIMARY SCHOOL</p>			

Brought Forward			R
<u>One coat primer and two coats acrylic paint (as per architectural specifications)</u>			
1	On internal walls	m2	1,362
2	On external walls	m2	521
<u>ON PLASTER BOARD</u>			
<u>One coat primer and two coats acrylic paint (as per architectural specifications)</u>			
3	On skimmed ceilings	m2	224
<u>ON METAL</u>			
<u>Prepare and apply one coat primer, one universal undercoat and two coats enamel paint (as per Architectural specifications)</u>			
4	On windows, doors, gates etc	m2	231
5	On backs of door frames	m2	120
6	On barge boards etc	m2	73
7	On balustrading etc	m2	2
<u>ON WOOD</u>			
<u>Three coats superior quality clear varnish, including all sealants</u>			
8	On doors, frames etc	m2	374
9	Skirtings, rails, etc not exceeding 300mm girth	m	101
Carried to Summary			R
Bill No. 15			
Paintwork			
SECTION 2 - REPAIR AND MAINTENANCE WORKS			
LIKUBU PRIMARY SCHOOL			

Bill No	SECTIONAL SUMMARY		Page No	Amount	
1	Demolitions		49		
2	Alterations		59		
3	Concrete, Formwork & Reinforcement		61		
4	Waterproofing		62		
5	Roof Coverings		63		
6	Carpentry and Joinery		65		
7	Ceilings, Access Flooring etc		67		
8	Floor Coverings		68		
9	Ironmongery		70		
10	Metalwork		74		
11	Plastering		75		
12	Tiling		77		
13	Plumbing and Drainage		84		
14	Glazing		85		
15	Paintwork		87		
Sub Total carried forward to Final Summary				R	
SECTION 2 - REPAIR AND MAINTENANCE WORKS					
LIKUBU PRIMARY SCHOOL					

SECTION 3

NEW WORKS

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u> <u>BILL NO. 1</u> <u>EARTHWORKS</u> <u>(PROVISIONAL)</u> NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract <u>SITE CLEARANCE ETC</u> <u>Site clearance</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	2,750	
	<u>EXCAVATION, FILLING, ETC</u> <u>Excavation in earth not exceeding 2m deep</u>			
2	Reduced levels	m3	779	
3	Trenches, ground beams etc	m3	450	
	<u>Back excavation of vertical sides of excavation in earth for working space including backfilling compacted to 98% Mod AASHTO density</u>			
4	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	1,287	
	<u>Extra over trench and hole excavations in earth for excavations in</u>			
5	Soft rock	m3	45	
6	Hard rock	m3	23	
	Carried Forward			
	Bill No. 1 Earthworks SECTION 3 - NEW WORKS LIKUBU PRIMARY SCHOOL		R	

Brought Forward			R
<u>Extra over back excavation in earth for working space for excavation in soft rock</u>			
7	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	129
<u>Extra over back excavation in earth for working space for excavation in hard rock</u>			
8	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	64
<u>Extra over all excavations for carting away</u>			
9	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	989
<u>Risk of collapse of excavations</u>			
10	Sides of trench and hole excavations not exceeding 1,5m deep	m2	1,287
<u>Keeping excavations free of water</u>			
11	Keeping excavations free of all water by hand, or mechanical means for all buildings	Item	
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density</u>			
12	Below floors etc	m3	249
13	Backfilling to trenches, holes, etc	m3	159
<u>Earth filling of G5 material supplied by the contractor compacted to 98% Mod. AASHTO density (or as stipulated by the Engineer)</u>			
14	To trenches, holes, etc	m3	61
15	Under floors, etc	m3	249
<u>Earth filling of G7 material supplied by the contractor compacted to 95% Mod. AASHTO density (or as stipulated by the Engineer)</u>			
16	To trenches, holes, etc	m3	61
Carried Forward			R
Bill No. 1 Earthworks SECTION 3 - NEW WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward			R
17	Under floors, etc	m3	249
<u>Coarse river sand filling supplied by the contractor</u>			
18	Under floors etc	m3	83
<u>Compaction of surfaces</u>			
19	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 AASTHO density (or as stipulated by the Engineer)	m2	1,657
20	Compaction of bottom of trenches, bases etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASTHO density (or as stipulated by the Engineer)	m2	410
<u>Prescribed density tests on filling</u>			
21	Modified AASHTO Density test	No	20
<u>SOIL POISONING</u>			
<u>Soil poisoning</u>			
22	Soil insecticide under floors, paving, etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	1,657
23	Soil insecticide to bottoms of trenches, holes, etc	m2	1,697
Carried to Summary			R
Bill No. 1 Earthworks SECTION 3 - NEW WORKS LIKUBU PRIMARY SCHOOL			

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u> <u>BILL NO. 2</u> <u>CONCRETE, FORMWORK AND REINFORCEMENT</u> <u>(PROVISIONAL)</u>			
	NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract			
	<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
	<u>15MPa/19mm concrete</u>			
1	Surface blinding under footings and bases	m3	20	
	<u>REINFORCED CONCRETE</u>			
	<u>25MPa/19mm concrete</u>			
2	Strip footings	m3	102	
3	Surface beds, thickenings etc in waterproofing	m3	207	
	<u>CONCRETE SUNDRIES</u>			
	<u>Finishing top surfaces of concrete smooth with a wood float including non-slip brush finish</u>			
4	Surface beds, slabs, etc	m2	1,657	
	<u>ROUGH FORMWORK</u>			
	<u>Rough formwork to sides</u>			
5	Footings, bases etc	m2	293	
	Carried Forward			R
	Bill No. 2 Concrete, Formwork & Reinforcement SECTION 3 - NEW WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward			R
<u>ROUGH FORMWORK (DEGREE OF ACCURACY III)</u>			
<u>Rough formwork to sides</u>			
6	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	376
<u>MOVEMENT JOINTS ETC</u>			
<u>Expansion joints with softboard between vertical concrete and brick surfaces</u>			
7	10mm Joints not exceeding 300mm high along edges of surface beds	m	1,274
<u>Saw cut joints</u>			
8	3 x 40mm Saw cut joints in top of concrete	m	497
<u>TEST BLOCKS</u>			
9	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	17
<u>REINFORCEMENT</u>			
<u>Steel reinforcement to structural concrete work</u>			
10	Various diameter bars	t	10.59
<u>Fabric reinforcement</u>			
11	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	1,816
Carried to Summary			R
Bill No. 2			
Concrete, Formwork & Reinforcement			
SECTION 3 - NEW WORKS			
LIKUBU PRIMARY SCHOOL			

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u> <u>BILL NO. 3</u> <u>MASONRY</u> <u>(PROVISIONAL)</u>			
	NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract			
	<u>FOUNDATIONS</u>			
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar (or as stipulated by the Engineer)</u>			
1	One brick walls	m2	468	
	<u>SUPERSTRUCTURE</u>			
	<u>Brickwork of NFP bricks in class II mortar</u>			
2	Brick Piers	m3	14	
3	Half brick walls	m2	142	
4	One brick walls	m2	1,654	
	<u>BRICKWORK SUNDRIES</u>			
	<u>Brickwork reinforcement</u>			
5	75mm Wide reinforcement built in horizontally	m	997	
6	150mm Wide reinforcement built in horizontally	m	10,980	
	<u>Prestressed fabricated lintels</u>			
7	110 x 70mm Lintels in lengths not exceeding 3m	m	304	
	Carried Forward			R
	Bill No. 3 Masonry SECTION 3 - NEW WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward			R
<u>Turning pieces to lintels</u>			
8	230mm Wide turning pieces	m	304
<u>Galvanised hoop iron cramps, ties, etc</u>			
9	4mm Diameter roof tie 2m girth bent double, with one end built into brickwork and other end fixed to timber	No	627
<u>Air bricks etc</u>			
10	215 x 215mm Terracotta air bricks	No	231
<u>EXTRA OVER FOR FACE BRICKWORK</u>			
<u>"Firelight Satin FBX" Face bricks (as per Architectural specifications) pointed with recessed horizontal and vertical joints</u>			
11	Extra over brickwork for face brickwork	m2	1,534
12	Extra over brickwork for brick-on-edge header courses, lintels etc	m	460
13	Extra over brickwork for sills set sloping and slightly projecting	m	171
Carried to Summary			R
Bill No. 3 Masonry SECTION 3 - NEW WORKS LIKUBU PRIMARY SCHOOL			

Item No		Quantity	Rate	Amount
	<p><u>SECTION 3</u> <u>BILL NO. 4</u> <u>WATERPROOFING</u> <u>(PROVISIONAL)</u></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Waterproofing Waterproofing of roofs, basements, etc. shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs.</p> <p><u>DAMPPROOFING OF WALLS AND FLOORS</u></p> <p><u>One layer 250 micron "Gunplas USB Green" polyethylene waterproofing sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u></p> <p>1 On compacted earth under concrete surface beds, lapped 150 mm and sealed at all joints </p>			

Brought Forward				R
	<u>Approved two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc</u>			
3	10 x 10mm In expansion joints in floors including raking out expansion joint filler as necessary	m	1,274	
	<u>Approved polyurethane sealant flexothane 1 by ABE or similar approved, including backing cord, bond breaker, primer, etc</u>			
4	10 x 40mm In saw cut joints in floors including raking out joint filler as necessary	m	497	
Carried to Summary				R
Bill No. 4				
Waterproofing				
SECTION 3 - NEW WORKS				
LIKUBU PRIMARY SCHOOL				

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u> <u>BILL NO. 5</u> <u>ROOF COVERINGS</u> <u>(PROVISIONAL)</u>			
	NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract			
	<u>PROFILED FIBRE-CEMENT SHEETING AND ACCESSORIES</u>			
	<u>Safintra 0.55mm thick 700mm cover Saflok 700 Rain Cloud Colorplus interlocking concealed fix roof covering, fixed to timber purlins at 2112mm centres and end span purlins at 1920mm centres by means of SL 700 Clip 21 clips secured to purlins in combination with a suitable class Safintra approved water head self-tapping fasteners, all in accordance with manufacturer's recommendations, as per architects design complete</u>			
1	Roof covering with pitch not exceeding 25 degrees	m2	2,348	
2	0.6mm Colomate finished galvanised metal ridge cap with ridge closers to manufacturer's specifications	m	169	
3	Polyclosures to suit above profile	m	405	
4	Eaves fillers	m	405	
	<u>ROOF AND WALL LINING AND INSULATION</u>			
	<u>100mm non-combustible lightweight fibreglass insulation</u>			
5	Insulation laid taut over timber rafters, in accordance with manufacturer's specifications, all installed between the beams and laid loose on top of brandering etc, as per Architectural specifications	m2	2,348	
	Carried to Summary			R
	Bill No. 5 Roof Coverings SECTION 3 - NEW WORKS LIKUBU PRIMARY SCHOOL			

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u> <u>BILL NO. 6</u> <u>CARPENTRY AND JOINERY</u> <u>(PROVISIONAL)</u>			
	<p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Fixing</u> Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete			
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere			
	<u>ROOFS ETC</u>			
	<u>Design, fabrication, supply and installation of the Roof Structure Construction. The Timber Roof Construction Sub-Contractor shall provide all materials (such as nails, ties, trusses, rafters, bracing, painting of exposed timbers, purlins, etc), equipment, labour, services and Engineer's Certificate necessary for the complete and efficient operation of the Installation, all in strict accordance to the architect's approval</u>			
1	Roof area measured flat on plan	m2	1,957	
	<u>Sawn Softwood</u>			
2	38 x 114mm Wall plates	m	376	
	<u>SKIRTINGS</u>			
	Carried Forward			R
	Bill No. 6 Carpentry and Joinery SECTION 3 - NEW WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward			R
<u>Wrought Meranti</u>			
3	100 x 18mm Skirting plugged, including quarter round timber	m	794
<u>DADO RAILS</u>			
<u>Isowood</u>			
4	80 x 24mm "Isowood" or similar approved classical type dado rail, installed in position, as per Manufacturer's specifications, including all adhesives, sanding, filling and sealing etc	m	476
<u>DOORS ETC</u>			
<u>Solid flush panel doors with hardboard both sides and two concealed edges</u>			
5	D02 size 813 x 2032 x 40mm	No	17
<u>Wrought Meranti Doors</u>			
6	D01 size 813 x 2032 x 40mm	No	22
<u>Shelving, cupboards, fittings etc</u>			
NOTE: The following items have been measured as complete units i.e the components of the units have not been separately measured. The description therefore of such units shall be deemed to include all components, assembling, housing, notching, gluing, blocking, planting on and screwing with countersunk screws, edge strips, cut out for sinks, decorative plastic finish, glass, ironmongery, metalwork, wall mounting brackets, paint or varnish finishes, etc			
Tenderers must refer to the architect's Joinery drawings and referred to in the items in order to understand the full requirements and descriptions of the works			
Carried Forward			R
Bill No. 6 Carpentry and Joinery SECTION 3 - NEW WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward			R
7	Classroom Storerooms shelving (approximate wall surface area 3030mm x 2100mm high) comprising 600mm wide shelves and base made of 20mm melamine or similar approved. All exposed edges of melamine to receive a 3mm thick white PVC impact edging. Shelving to be countersunk screwed to brackets from below. Brackets and support bands are epoxy coated, metal free standing units, bolted together with metal corner support posts, with feet fitted with PVC corners, to protect floor coverings. All shelving to be adjustable. and as per Architectural details and specifications	No	22
8	Classroom Storerooms shelving (approximate wall surface area 1710mm x 2100mm high) comprising 600mm wide shelves and base made of 20mm melamine or similar approved. All exposed edges of melamine to receive a 3mm thick white PVC impact edging. Shelving to be countersunk screwed to brackets from below. Brackets and support bands are epoxy coated, metal free standing units, bolted together with metal corner support posts, with feet fitted with PVC corners, to protect floor coverings. All shelving to be adjustable. and as per Architectural details and specifications	No	22
Carried to Summary			R
Bill No. 6 Carpentry and Joinery SECTION 3 - NEW WORKS LIKUBU PRIMARY SCHOOL			

Item No		Quantity	Rate	Amount
	<p><u>SECTION 3</u> <u>BILL NO. 7</u> <u>CEILING, PARTITIONS & ACCESS</u> <u>FLOORING</u> <u>(PROVISIONAL)</u></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Electrical light fittings, diffusers, panels, etc generally are "lay in" units of the same / similar dimensions as the ceiling grid described and allowance must be made accordingly for their support inclusive of any flexibility inseting out that may be required (ceiling panels / boards have not been deducted and pricing is to take cognisance thereof)</p> <p><u>NAILED UP CEILINGS</u></p> <p><u>6.4mm "Rhino-board M-Strip" or similar approved ceiling fixed print side up to brander with 32mm galvanized semi-serrated nails or 32mm grabber screws at 150mm centres with PVC cover strips over joints with all nail or screw heads stopped and sanded level, all in strict accordance with manufacturer's instructions, including skimming to receive paintwork</u></p>			
1	Ceilings including 38 x 38mm sawn softwood brander at 400mm centres in one direction only to trusses (elsewhere measured), as per manufacturers specifications	m2	1,657	
2	Extra over ceiling for 600 x 600mm trap door of 38 x 76mm wrought softwood rebated framing with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	25	
	Carried Forward			
	<p>Bill No. 7 Ceilings, Access Flooring etc SECTION 3 - NEW WORKS LIKUBU PRIMARY SCHOOL</p>		R	

Brought Forward			R
<u>"Rhino" or similar approved Moulded Gypsum Cornices</u>			
3	75mm Coved cornice	m	1,135
<u>CEILING INSULATION</u>			
<u>Aerolite insulation</u>			
4	100mm Thick insulation closely fitted and laid on top of ceilings including cutting and fitting around roof timbers	m2	1,657
Carried to Summary			R
Bill No. 7 Ceilings, Access Flooring etc SECTION 3 - NEW WORKS LIKUBU PRIMARY SCHOOL			

Item No		Quantity	Rate	Amount
<u>SECTION 3</u> <u>BILL NO. 8</u> <u>FLOOR COVERINGS</u> <u>(PROVISIONAL)</u>				
NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Fixing</u>				
Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc				
<u>FLOOR COVERINGS</u>				
<u>Non-slip resilient vinyl tile floor covering (Polyflor XL 2mm thick fully flexible PVC sheet flooring laid) as per manufacturer's recommendations on 30mm screed (elsewhere measured).</u>				
1	On floors	m2	1,296	
<u>POLISH, SEALERS, ETC</u>				
<u>Polish on vinyl flooring</u>				
2	Two coats of approved polish on vinyl flooring	m2	1,296	
Carried to Summary				R
Bill No. 8 Floor Coverings SECTION 3 - NEW WORKS LIKUBU PRIMARY SCHOOL				

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u> <u>BILL NO. 9</u> <u>IRONMONGERY</u> <u>(PROVISIONAL)</u>			
	NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Finishes to ironmongery</u>			
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded			
	<u>HINGES, BOLTS, ETC</u>			
	<u>"Union" or equal and approved</u>			
1	Code: 096/76 - S/S 4 B/B Hinge	No	117	
	<u>LOCKS, CATCHES, CABIN HOOKS, ETC</u>			
	<u>"Union" or equal and approved</u>			
2	CP four lever lockset with striking plate	No	39	
3	51mm Padlock	No	22	
4	Master key	No	1	
5	Grand master key	No	1	
	Carried Forward			R
	Bill No. 9 Ironmongery SECTION 3 - NEW WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward			R
<u>HANDLES</u>			
<u>"Union" or equal and approved</u>			
6	Satin chrome lever handle on plate back to back	No	39
<u>SUNDRIES</u>			
<u>"Union" or equal and approved</u>			
7	Code: 140/69 - S/Steel floor mount doorstop	No	39
<u>LETTERS, NAMEPLATES, ETC</u>			
<u>150/300/450 x 70mm high with 30mm lettering (helvetica medium) with black writing on white perspex, to be fixed on doors at 1.6mm high, etc, all as per architect's signage schedule, specifications and by approved supplier</u>			
8	Sign with nine numerals or letters (STORE ROOM)	No	22
<u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</u>			
<u>"Parrot" or equal and approved</u>			
9	Magnetic white board and chalk board combo comprising of an 1820mm wide x 1220mm high centre magnetic whiteboard panel and 4 x 1220mm x 920mm high side panels with 2 x side panels comprising of chalkboard and 2 x panels comprising of chalkboard to the one side of the leaf and magnetic whiteboard to the other side of the leaf with pre-drawn lines on both sides including all fittings, fixtures etc	No	17
10	Pinning board size 3000 x 1200mm high including aluminium frame	No	17
<u>STATIONERY CUPBOARDS</u>			
<u>Steel stationery cupboards</u>			
11	900 x 450 x 1800mm High heavy duty steel cupboard, "hammertone grey" in colour, with adjustable shelving	No	17
Carried to Summary			R
Bill No. 9 Ironmongery SECTION 3 - NEW WORKS LIKUBU PRIMARY SCHOOL			

Item No	Quantity	Rate	Amount												
<p><u>SECTION 3</u> <u>BILL NO. 10</u> <u>METALWORK</u> <u>(PROVISIONAL)</u></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Descriptions</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p><u>MILD STEEL DOORS, FRAMES ETC</u></p> <p><u>1.2mm Double rebated frames including all sealing etc as per Architectural specifications</u></p> <tr> <td>1</td><td>Frame for single door type D01, size 813 x 2032 mm high</td><td>No 22</td><td></td></tr> <tr> <td>2</td><td>Frame for single door type D02, size 813 x 2032 mm high</td><td>No 17</td><td></td></tr> <tr> <td colspan="3"> <p style="text-align: right;">Carried Forward</p> <p>Bill No. 10 Metalwork SECTION 3 - NEW WORKS LIKUBU PRIMARY SCHOOL</p> </td><td>R</td></tr>				1	Frame for single door type D01, size 813 x 2032 mm high	No 22		2	Frame for single door type D02, size 813 x 2032 mm high	No 17		<p style="text-align: right;">Carried Forward</p> <p>Bill No. 10 Metalwork SECTION 3 - NEW WORKS LIKUBU PRIMARY SCHOOL</p>			R
1	Frame for single door type D01, size 813 x 2032 mm high	No 22													
2	Frame for single door type D02, size 813 x 2032 mm high	No 17													
<p style="text-align: right;">Carried Forward</p> <p>Bill No. 10 Metalwork SECTION 3 - NEW WORKS LIKUBU PRIMARY SCHOOL</p>			R												

Brought Forward			R
<u>Metal gates</u>			
3	Gate G01 overall size 925 x 2032mm high gate with 50 x 50mm mild steel square frame and 10 x 10mm mild steel bars placed at 100mm centres at 45 degree angles, hung with two pair of galvanised mild steel hinges including locks, handles, ironmongery complete	No	22
<u>MILD STEEL WINDOWS, LOUVRES, DOORS, ETC.</u>			
<u>Standard Steel "School Type" metal windows as per Architectural specifications</u>			
4	Window W05 size 889 x 1248mm high	No	170
5	Window W07 size 889 x 457mm high	No	22
<u>Burglar bars (as per Architectural specifications) made to standard "School Type" pattern to be welded at all intersections and against window frames to be fixed sections at inside of classroom and bent 75mm (or as approved) away from glass, fitted over entire window</u>			
6	To fit window type W05, size 889 x 1248mm high	No	170
7	To fit window type W07, size 889 x 457mm high	No	22
<u>EAVES, VERGES, ETC</u>			
<u>Aluminium or similar approved fascia / barge boards</u>			
8	Aluminium barge / fascia boards including jointing strips etc if required, as per Architectural specifications	m	405
Carried to Summary			R
Bill No. 10 Metalwork SECTION 3 - NEW WORKS LIKUBU PRIMARY SCHOOL			

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u> <u>BILL NO. 11</u> <u>PLASTERING</u> <u>(PROVISIONAL)</u>			
	NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract			
	<u>PLASTERING</u>			
	<u>SCREEDS</u>			
	<u>Screeds wood floated on concrete</u>			
1	30mm Thick on floors and landings	m2	1,657	
	<u>INTERNAL PLASTER</u>			
	<u>Cement plaster on brickwork</u>			
2	On walls	m2	2,234	
3	On narrow widths	m2	121	
	Carried to Summary			R
	Bill No. 11 Plastering SECTION 3 - NEW WORKS LIKUBU PRIMARY SCHOOL			

Item No		Quantity	Rate	Amount
<u>SECTION 3</u> <u>BILL NO. 12</u> <u>PLUMBING AND DRAINAGE</u> <u>(PROVISIONAL)</u>				
NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>RAINWATER DISPOSAL</u>				
<u>"Watertite" or similar approved aluminium</u>				
1	155 x 100 x 115mm Ogee eaves gutters	m	340	
2	Extra over 155 x 100 x 115mm Ogee eaves gutter for stopped end	No	12	
3	Extra over 155 x 100 x 115mm Ogee eaves gutter for outlet for 100 x 75mm pipe	No	12	
4	100 x 75mm Rainwater pipes	m	48	
5	Extra over 100 x 75mm rainwater pipe for bend	No	24	
6	Extra over 100 x 75mm rainwater pipe for shoe	No	12	
Carried to Summary				
				R
Bill No. 12 Plumbing and Drainage SECTION 3 - NEW WORKS LIKUBU PRIMARY SCHOOL				

[illegible]

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u> <u>BILL NO. 14</u> <u>PAINTWORK</u> <u>(PROVISIONAL)</u>			
	NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	All paintwork in this contract shall, unless otherwise described, be executed using the "Plascon / Dulux" range of products, as per Architectural Specifications			
	<u>PAINTWORK ETC TO NEW WORK</u>			
	<u>ON FLOATED PLASTER</u>			
	<u>One coat primer and two coats acrylic paint (as per architectural specifications)</u>			
1	On internal walls	m2	2,383	
	<u>ON PLASTER BOARD</u>			
	<u>One coat primer and two coats acrylic paint (as per architectural specifications)</u>			
2	On ceilings and cornices	m2	1,657	
	<u>ON METAL</u>			
	<u>Prepare and apply one coat primer, one universal undercoat and two coats enamel paint (as per Architectural specifications)</u>			
3	On windows, doors, gates etc	m2	438	
	Carried Forward			R
	Bill No. 14 Paintwork SECTION 3 - NEW WORKS LIKUBU PRIMARY SCHOOL			

[illegible]

Bill No		Page No	Amount
1	Earthworks	91	
2	Concrete, Formwork & Reinforcement	93	
3	Masonry	95	
4	Waterproofing	97	
5	Roof Coverings	98	
6	Carpentry and Joinery	101	
7	Ceilings, Access Flooring etc	103	
8	Floor Coverings	104	
9	Ironmongery	106	
10	Metalwork	108	
11	Plastering	109	
12	Plumbing and Drainage	110	
13	Glazing	111	
14	Paintwork	113	
	Sub Total		R
	Total Carried forward		R
	SECTION 3 - NEW WORKS LIKUBU PRIMARY SCHOOL		

SECTION 4

EXTERNAL WORKS

Item No		Quantity	Rate	Amount
	<u>SECTION 4</u> <u>BILL NO. 1</u> <u>EXTERNAL WORKS</u> <u>(PROVISIONAL)</u> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <u>EXTERNAL WORKS</u> <u>SITE CLEARANCE ETC</u> <u>Site clearance</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc including the general cleaning of all sanded areas etc to prevent corrosion	m2	1,000	
	<u>TEMPORARY BARRIERS, SCREENS ETC</u> <u>Temporary barriers, screens etc, including removal</u>			
2	Dust screen minimum 1800mm high formed of suitable timber or steel framing with 375 micron polyethylene sheeting or equally approved material, fixed onto one side, including corners, ends, etc including the removal of such upon completion of the works	m	622	
	<u>REMEDIAL WORK TO EXISTING STRUCTURES</u>			
	Carried Forward		R	
	Bill No. 1 External Works SECTION 4 - EXTERNAL WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward				R
<u>Existing V Drains</u>				
3	Ream out the top 15mm of joints in surface beds, slabs etc, remove all debris using a wire brush or pressure washer if required. Clean and dry surface around the crack, install an approved UV resistant polysulphide sealant ensuring that the sealant fills deep into the opening. Brush the surface smooth to match the texture of the existing surface allowing the sealant to cure, as per Engineering specifications and Manufacturer's instructions	m	91	
4	Groove open cracks in surface beds etc to form a "V" Notch. Remove all debris using a wire brush pr pressure washer if required. Clean and dry surface around the crack, Saw cut the "V" Grooves perpendicular to the crack length and epoxy R8 bars in grooves at 250mm centres over the crack length. Fill with approved cementitious non shrink grout or structural mortar mix using mesh reinforcement Ref 100. Brush the surface smooth allowing the grout / mortar to cure, as per Engineering specifications and Manufacturer's instructions	m	10	
<u>Existing walkways / stairs / concrete surfaces etc</u>				
5	Groove open cracks in surface beds, slabs etc to form a "V" Groove. Remove all debris using a wire brush pr pressure washer if required. Clean and dry surface around the crack, Repair / stitch using an approved cementitious non shrink grout or structural mortar mix, ensuring that the grout fills deep into the crack. Brush the surface smooth to match the texture of the existing surface allowing the grout / mortar to cure, as per Engineering specifications and Manufacturer's instructions	m	22	
6	Ream out the top 15mm of joints in surface beds, slabs etc, remove all debris using a wire brush or pressure washer if required. Clean and dry surface around the crack, install an approved UV resistant polysulphide sealant ensuring that the sealant fills deep into the opening. Brush the surface smooth to match the texture of the existing surface allowing the sealant to cure, as per Engineering specifications and Manufacturer's instructions	m	10	
Carried Forward				R
Bill No. 1 External Works SECTION 4 - EXTERNAL WORKS LIKUBU PRIMARY SCHOOL				

Brought Forward			R
<u>SURFACE DRAINAGE</u>			
<u>CONCRETE STORMWATER CHANNELS ETC</u>			
7	<u>Breaking up and removing mass concrete V Drains etc average 120mm thick and 1000mm wide</u>	m	767
8	600mm wide V drain surface channel, aprons etc, cast in panels to falls not exceeding 2m long, with 10mm softboard joint material between panels and abutting walls, raked out 20mm deep and sealed with grey polysulphide sealant including all angles, intersections, mitres etc, as per Engineering specifications	m	415
9	1000mm wide V drain surface channel, aprons etc, cast in panels to falls not exceeding 2m long, with 10mm softboard joint material between panels and abutting walls, raked out 20mm deep and sealed with grey polysulphide sealant including all angles, intersections, mitres etc, as per Engineering specifications	m	767
<u>SUNDRIES</u>			
10	Allow for filling and the creation of an earth berm where scouring at walkways etc, including all grassing etc (As per Engineering specifications)	m	29
<u>CONCRETE WALKWAYS, APRONS, RAMPS, STAIRS ETC</u>			
<u>Hack up and remove</u>			
11	Mass concrete to ramps, walkways, stairs etc	m3	34
<u>Excavation in earth not exceeding 2m deep</u>			
12	Reduced levels under surface beds, ramps, stairs etc	m3	81
<u>Back excavation of vertical sides of excavation in earth for working space including backfilling compacted to 98% Mod AASHTO density</u>			
13	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	81
Carried Forward			R
Bill No. 1 External Works SECTION 4 - EXTERNAL WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward				R
<u>Extra over trench and hole excavations in earth for excavations in (provisional)</u>				
14	Soft rock	m3	8	
15	Hard rock	m3	4	
<u>Extra over back excavation in earth for working space for excavation in soft rock</u>				
16	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	8	
<u>Extra over back excavation in earth for working space for excavation in hard rock</u>				
17	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	4	
<u>Extra over all excavations for carting away</u>				
18	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	81	
<u>Risk of collapse of excavations</u>				
19	Sides of trench and hole excavations not exceeding 1,5m deep	m2	81	
<u>Keeping excavations free of water</u>				
20	Keeping excavations free of all water by hand, or mechanical means		Item	
<u>Compaction of surfaces</u>				
21	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 97% Mod AASTHO density (or as stipulated by the Engineer)	m2	230	
Carried Forward				R
Bill No. 1 External Works SECTION 4 - EXTERNAL WORKS LIKUBU PRIMARY SCHOOL				

Brought Forward			R
<u>Soil poisoning</u>			
22	Soil insecticide under floors, paving, etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	230
<u>Prescribed density tests on filling</u>			
23	Modified AASHTO density tests	No	2
<u>25MPa/19mm concrete</u>			
24	Surface beds, ramps, stairs etc, cast in panels on waterproofing	m3	25
<u>Test Blocks</u>			
25	Making and testing set of three 150 x 150 x 150mm concrete strength test cubes	No	2
<u>Finishing top surfaces of concrete smooth with a wood float including non-slip brush finish</u>			
26	Surface beds, slabs, stairs etc	m2	230
<u>Rough formwork to sides</u>			
27	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	116
<u>Isolation joints with 10mm "Sondor Jointex" or equal approved polyethylene joint former between vertical concrete and brick surfaces</u>			
28	10mm Joints not exceeding 300mm high	m	116
<u>Saw cut joints</u>			
29	10 x 20mm Saw cut joints in top of concrete	m	87
<u>Fabric reinforcement</u>			
30	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	226
Carried Forward			R
Bill No. 1 External Works SECTION 4 - EXTERNAL WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward			R
31	Type 245 fabric reinforcement in concrete surface beds, slabs, etc	m2	5
	<u>One layer 250 micron "Gunplas USB Green" polyethylene waterproofing sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u>		
32	On compacted earth under concrete surface beds, lapped 150 mm and sealed at all joints	m2	230
	<u>Approved two-part grey polysulphide sealing compound including backing cord, bond breaker, primer etc</u>		
33	10 x 10mm In isolation joints in floors or walls including raking out expansion joint filler as necessary	m	116
	<u>Sikaflex 35SL or similar approved polyurethane sealing compound including backing cord, bond breaker, primer, etc</u>		
34	10 x 20mm In saw cut joints in floors including raking out joint filler as necessary	m	87
	<u>Screeds steel trowelled on concrete</u>		
35	30mm Thick on floors, steps, landings etc	m2	230
	<u>ASSEMBLY AREA</u>		
	<u>Excavation in earth not exceeding 2m deep</u>		
36	Rip and recompact 150mm thick layer to 93% Mod AASHTO Density (or as stipulated by the Engineer)	m3	107
37	Trenches, ground beams etc	m3	31
38	Reduced Levels	m3	280
	<u>Back excavation of vertical sides of excavation in earth for working space including backfilling compacted to 98% Mod AASHTO density</u>		
39	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	110
Carried Forward			R
Bill No. 1 External Works SECTION 4 - EXTERNAL WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward				R
<u>Extra over trench and hole excavations in earth for excavations in</u>				
40	Soft rock	m3	31	
41	Hard rock	m3	16	
<u>Extra over back excavation in earth for working space for excavation in soft rock</u>				
42	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	11	
<u>Extra over back excavation in earth for working space for excavation in hard rock</u>				
43	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	6	
<u>Extra over all excavations for carting away</u>				
44	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	296	
<u>Risk of collapse of excavations</u>				
45	Sides of trench and hole excavations not exceeding 1,5m deep	m2	188	
<u>Keeping excavations free of water</u>				
46	Keeping excavations free of all water by hand, or mechanical means for all buildings		Item	
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density</u>				
47	Backfilling to trenches, holes, etc	m3	7	
<u>Earth filling of G7 material supplied by the contractor compacted to 95% Mod. AASHTO density (or as stipulated by the Engineer)</u>				
48	Under paving, concrete surfaces etc	m3	4	
Carried Forward				R
Bill No. 1 External Works SECTION 4 - EXTERNAL WORKS LIKUBU PRIMARY SCHOOL				

Brought Forward			R
<u>Earth filling of G5 material supplied by the contractor compacted to 95% Mod. AASHTO density (or as stipulated by the Engineer)</u>			
49	To trenches, holes, etc	m3	4
50	Under floors, etc	m3	127
<u>Coarse river sand filling supplied by the contractor</u>			
51	Under floors etc	m3	13
<u>Compaction of surfaces</u>			
52	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 95% Mod AASTHO density (or as stipulated by the Engineer)	m2	714
53	Compaction of bottom of trenches, bases etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASTHO density (or as stipulated by the Engineer)	m2	34
<u>Soil poisoning</u>			
54	Soil insecticide under floors, paving, etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	714
55	Soil insecticide to bottoms of trenches, holes, etc	m2	96
<u>Prescribed density tests on filling</u>			
56	Modified AASHTO density tests	No	8
<u>15MPa/19mm concrete</u>			
57	Surface blinding under footings and bases	m3	2
<u>25MPa/19mm concrete</u>			
58	Strip footings	m3	5
Carried Forward			R
Bill No. 1 External Works SECTION 4 - EXTERNAL WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward			R
59	Surface beds, thickenings etc in waterproofing	m3	5
60	Stairs, landings etc	m3	1
<u>Finishing top surfaces of concrete smooth with a wood float including non-slip brush finish</u>			
61	Surface beds, slabs, etc	m2	51
<u>Rough formwork to sides</u>			
62	Footings, bases etc	m2	16
63	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	45
<u>Expansion joints with softboard between vertical concrete and brick surfaces</u>			
64	10mm Joints not exceeding 300mm high along edges of surface beds	m	31
<u>Saw cut joints</u>			
65	3 x 40mm Saw cut joints in top of concrete	m	9
<u>Test Blocks</u>			
66	Making and testing set of three 150 x 150 x 150mm concrete strength test cubes	No	4
<u>Steel reinforcement to structural concrete work</u>			
67	Various diameter bars	t	0.61
<u>Fabric reinforcement</u>			
68	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	45
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar (or as stipulated by the Engineer)</u>			
69	One brick walls	m2	19
Carried Forward			R
Bill No. 1 External Works SECTION 4 - EXTERNAL WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward			R
	<u>Brickwork of NFP bricks in class II mortar</u>		
70	One brick walls	m2	19
	<u>Brickwork reinforcement</u>		
71	150mm Wide reinforcement built in horizontally	m	219
	<u>One layer 250 micron "Gunplas USB Green" polyethylene waterproofing sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u>		
72	On compacted earth under concrete surface beds, lapped 150 mm and sealed at all joints	m2	45
	<u>Approved two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc</u>		
73	10 x 35mm In expansion joints in floors including raking out expansion joint filler as necessary	m	31
	<u>Approved polyurethane sealant flexothane 1 by ABE or similar approved, including backing cord, bond breaker, primer, etc</u>		
74	10 x 40mm In saw cut joints in floors including raking out joint filler as necessary	m	9
	<u>60mm "Corobrik" pavers all laid with butt joints on 20mm thick river sand swept into joints including preparation of ground or filling, or similar as per Architectural specifications</u>		
75	Paving 60mm thick (or as approved by architect) to assembly areas, etc laid to falls	m2	667
76	Extra over last for paving in stackbond pattern	m	105
	<u>Sundries</u>		
77	Finished edges against paved edges, etc	m	105
	<u>Screeds wood floated on concrete</u>		
78	30mm Thick on floors and landings	m2	50
Carried Forward			R
Bill No. 1 External Works SECTION 4 - EXTERNAL WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward			R
<u>Plastering</u>			
79	To brick walls	m2	19
<u>Paintwork</u>			
80	To plastered walls	m2	19
<u>Drainage</u>			
81	160mm Diameter HD upvc piping one end connected to sump and the other laid to falls to daylight	m	43
82	Allow for the complete construction of a 600 x 600mm sump (as per Engineering specifications) not exceeding 1500mm deep, with a 150mm thick concrete slab with Ref193 mesh reinforcement, 110mm outer brick walls, with HD upvc piping laid in concrete benching with cement mortar rendering, including a concrete frame to suit 450 x 450mm heavy duty cast iron grid inlet, complete	No	2
<u>ROADWORKS ETC</u>			
<u>Removal of existing</u>			
83	Removal of existing paving bricks, clean and store on site, to be re-used later	m2	200
<u>Excavation in earth not exceeding 2m deep</u>			
84	Rip and recompact 150mm thick layer to 93% Mod AASHTO Density (or as stipulated by the Engineer)	m3	30
85	Reduced levels for layerworks and deposit in spoil heaps	m3	34
<u>Back excavation of vertical sides of excavation in earth for working space including backfilling compacted to 98% Mod AASHTO density</u>			
86	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	17
Carried Forward			R
Bill No. 1 External Works SECTION 4 - EXTERNAL WORKS LIKUBU PRIMARY SCHOOL			

Brought Forward				R
<u>Extra over trench and hole excavations in earth for excavations in</u>				
87	Soft rock	m3	3	
88	Hard rock	m3	2	
<u>Extra over back excavation in earth for working space for excavation in soft rock</u>				
89	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	2	
<u>Extra over back excavation in earth for working space for excavation in hard rock</u>				
90	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	1	
<u>Extra over all excavations for carting away</u>				
91	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	34	
<u>Risk of collapse of excavations</u>				
92	Sides of trench and hole excavations not exceeding 1,5m deep	m2	17	
<u>Keeping excavations free of water</u>				
93	Keeping excavations free of all water by hand, or mechanical means		Item	
<u>Earth filling of G5 material supplied by the contractor compacted to 95% Mod. AASHTO density (or as stipulated by the Engineer)</u>				
94	Under paving, concrete surfaces etc	m3	30	
<u>Compaction of surfaces</u>				
95	Compaction of ground surface under paving etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 98% Mod AASHTO density (or as stipulated by the Engineer)	m2	200	
Carried Forward				R
Bill No. 1 External Works SECTION 4 - EXTERNAL WORKS LIKUBU PRIMARY SCHOOL				

Brought Forward			R	
<u>Approved herbicide mixed in the proportion of 5ml herbicide to 1 litre water and applied at a rate of 1 litre per m2</u>				
96	Soil insecticide under paving, roadworks etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	200	
<u>Prescribed density tests on filling</u>				
97	Modified AASHTO density tests	No	5	
<u>60mm "Corobrik" pavers all laid with butt joints on 20mm thick river sand swept into joints including preparation of ground or filling, or similar as per Architectural specifications</u>				
98	Paving 60mm thick (or as approved by architect) to parking areas, etc laid to falls	m2	200	
<u>Sundries</u>				
99	Finished edges against kerbs, etc	m	100	
<u>Precast concrete finished smooth on exposed surfaces including bedding, jointing and pointing</u>				
100	Mountable kerb (SABS 927 fig 6) 125 x 230mm high in 1m lengths, bedded, jointed and pointed in 20MPa 250 x 100mm thick footing, including excavation, bedding concrete, backfilling etc	m	100	
<u>Etching primer and two coats of TP24 road marking paint on tar</u>				
101	Lines 100mm wide	m	33	
102	Directional / information signage	No	5	
<u>BUDGETARY ALLOWANCES</u>				
103	Allow a budgetary allowance of R10,000.00 (Ten thousand rands) for the replacement of manhole covers, lifting handles etc to Block M, to be allocated as per the instruction from the Principal Agent		Item	10,000.00
Carried Forward			R	
Bill No. 1 External Works SECTION 4 - EXTERNAL WORKS LIKUBU PRIMARY SCHOOL				

	Brought Forward		R
104	Allow a budgetary allowance of R30,000.00 (Thirty thousand rands) for the supply and installation of an awning structure, to be allocated as per the instruction from the Principal Agent	Item	30,000.00
105	Allow a budgetary allowance of R50,000.00 (Fifty thousand rands) for proving and cleaning pipework, drainage lines, v drains etc to be allocated as per the instruction from the Principal Agent	Item	50,000.00
106	Allow a budgetary allowance of R100,000.00 (One hundred thousand rands) for the inspection of the walkways including all remedial / replacement of the structural steel members, cleaning, isolating and repairing leaks, painting etc as per the instruction from the Principal Agent	Item	100,000.00
Carried to Summary			R
Bill No. 1 External Works SECTION 4 - EXTERNAL WORKS LIKUBU PRIMARY SCHOOL			

SECTIONAL SUMMARY		Page No	Amount
1	External Works	128	
Sub Total carried forward to Final Summary			R
SECTION 4 - EXTERNAL WORKS			
LIKUBU PRIMARY SCHOOL			

SECTION 5

PROVISIONAL SUMS

Item No	Quantity	Rate	Amount
<p><u>SECTION 5</u> <u>BILL NO. 1</u> <u>PROVISIONAL SUMS</u></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p>The following Provisional Amounts are for equipment, etc. supplied and installed or executed complete by firms or specialists to be nominated by the Client or his representative.It should be noted that these amounts are NET, (i.e. does NOT include 5% Builders Discount) and is EXCLUSIVE of any Tax (IVA).Attendance shall in all instances be deemed to include scaffolding and other facilities to be specially provided, prescribed protective measures, etc.</p> <p>In the event of the Contractor being awarded any one or more of the items allowed for in this Bill, then the related Profit and Attendance items would be omitted, and the item or items incorporated into these Bills of Quantities at the Tendered or Adjusted Rates or Value.</p> <p><u>PROVISIONAL SUMS FOR DIRECT WORKS</u></p> <p><u>ELECTRICAL ENGINEER</u></p> <p>1 Provide the sum of R100,000.00 (One hundred thousand rands) for the appointment of an Electrical Engineer for the project</p> <p>2 Allow for profit on last item</p> <p>3 Allow for attendance on last item</p> <p><u>PROVISIONAL SUMS FOR NOMINATED / SELECTED SUBCONTRACT WORKS</u></p>			
<p style="text-align: right;">Carried Forward</p> <p>Bill No. 1 Provisional Sums SECTION 5 - PROVISIONAL SUMS LIKUBU PRIMARY SCHOOL</p>			<p style="text-align: right;">R</p>

Brought Forward		R
<u>TEMPORARY ACCOMODATION</u>		
4	Provide the sum of R4,090,000.00 (Four million and ninety thousand rands) for the purchase of, transportation, ground preparation works and erection of mobile classrooms and ablution facilities, including the regular maintenance of the ablution facilities for the duration of construction. The units are to be made good upon project completion and relocated to another site determined by the Principal Agent and/or Client, less than or equal to 200km from the site - all as per Architectural / Engineering specifications, to be performed by a specialist if required	Item 4,090,000.00
5	Allow for profit on last item	Item
6	Allow for attendance on last item	Item
<u>ELECTRICAL INSTALLATION</u>		
7	Provide the sum of R1,310,000.00 (One million three hundred and ten thousand rands) for the electrical installation and lightening protection complete, as per Architectural / Engineering specifications, to be performed by a specialist if required	Item 1,310,000.00
8	Allow for profit on last item	Item
9	Allow for attendance on last item	Item
<u>PLUMBING AND DRAINAGE</u>		
10	Provide the sum of R800,000.00 (Eight hundred thousand rands) for the supply, installation and guarantee of all plumbing and drainage related items, to be performed by a specialist if required	Item 800,000.00
11	Allow for profit on last item	Item
12	Allow for attendance on last item	Item
Carried Forward		R
Bill No. 1 Provisional Sums SECTION 5 - PROVISIONAL SUMS LIKUBU PRIMARY SCHOOL		

Brought Forward		R	
<u>FURNITURE AND FITOUT</u>			
13	Provide the sum of R1,200,000.00 (One million two hundred thousand rands) for the supply and installation of all Furniture and fitout items, as per Architectural / Engineering specifications, to be performed by a specialist if required	Item	1,200,000.00
14	Allow for profit on last item	Item	
15	Allow for attendance on last item	Item	
Carried to Summary		R	
Bill No. 1 Provisional Sums SECTION 5 - PROVISIONAL SUMS LIKUBU PRIMARY SCHOOL			

SECTIONAL SUMMARY		Page No	Amount
1	Provisional Sums	132	
Sub Total carried forward to Final Summary			R
SECTION 5 - PROVISIONAL SUMS			
LIKUBU PRIMARY SCHOOL			

FINAL SUMMARY

Item No		Quantity	Rate	Amount
	<u>FINAL SUMMARY</u>			
	Section 1 Preliminaries and General			
	Section 2 Repair and Maintenance Works			
	Section 3 New Works			
	Section 4 External Works			
	Section 5 Provisional Sums			
	Sub Total		R	
1	Allow the sum of R980,000.00 (Nine hundred and eighty thousand rands) for the provision of skills development and mentorship of candidates for the duration of construction	Item		980,000.00
2	Allow the sum of R162,500.00 (One hundred and sixty two thousand five hundred rands) i.e. R12,500.00 per month for the provision of a Community Liaison Officer for the duration of construction	Item		162,500.00
3	Allow the sum of R20,000.00 (Twenty six thousand rands) i.e. R2,000.00 per month for the provision of a Project Steering Committee for the duration of construction	Item		26,000.00
	Sub Total		R	
4	Allow an amount of R1,500,000.00 for Contract Price Adjustment Provision (CPAP)	Item		1,500,000.00
	Sub Total		R	
			R	
	Carried Forward		R	
	Bill No. 1 Project Final Summary			
	LIKUBU PRIMARY SCHOOL			

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