

SECTION NO. 1

PRELIMINARIES

THABONG PRIMARY SCHOOL

Amount

SECTION NO. 1**PRELIMINARIES****BUILDING AGREEMENT AND PRELIMINARIES**

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

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

Contractors are referred to the above mentioned documents for the full intent and meaning of each clause thereof

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

Where any item is not relevant to this specific contract such item is marked N/A, signifying "not applicable"

PREAMBLES FOR TRADES

The Model Preambles for Trades (1999 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claim arising from brevity of description of items fully described in the said Model Preambles will be entertained

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

PRICING OF PRELIMINARIES**Pricing of Prelims**

- 1 Should the contractor select Option A in terms of clause 10.3 for the purpose of adjustment of these preliminaries, the amount entered in the amount column in these preliminaries is to be divided into one or more of the three categories provided namely Fixed (F), Value Related (V) and Time Related (T)

F: V: T:

Item

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<u>SECTION A - PRINCIPAL BUILDING AGREEMENT</u>		
<u>Definitions</u>		
2	<p>Clause 1.0 - Definitions and interpretation</p> <p>1.1 Definition of "Commencement Date" is added:</p> <p>"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:</p> <p>"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</p> <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>F: V: T:</p>	
	<u>Objective and preparation</u>	
3	<p>Clause 2.0 - Offer, acceptance and performance</p> <p>F: V: T:</p>	Item
4	<p>Clause 3.0 - Documents</p> <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> <p>F: V: T:</p>	Item
5	<p>Clause 4.0 - Design responsibility</p> <p>F: V: T:</p>	Item
6	<p>Clause 5.0 - Employer's agents</p> <p>F: V: T:</p>	Item
7	<p>Clause 6.0 - Site representative</p> <p>F: V: T:</p>	Item
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8	Clause 7.0 - Compliance with regulations F: V: T:	Item	
9	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 F: V: T:	Item	
10	Clause 8.0 - Works risk F: V: T:	Item	
11	Clause 9.0 - Indemnities F: V: T:	Item	
12	Clause 10.0 - Works insurances F: V: T:	Item	
13	Clause 10.0 Clause 10.0 is amended by the addition of the following clauses: 10.5 Damage to the Works (a) Without in any way limiting the 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		
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<p style="text-align: right;">Brought Forward</p> <p>(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</p> <p>(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</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>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 style="text-align: right;">Carried Forward</p>	<p style="text-align: right;">R</p>	
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10.7.2 Injury to persons or loss of or damage to property		
The contractor shall be liable for and hereby indemnifies and holds harmless the employer against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above		
The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract		
10.7.3 It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the 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		
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		
	Item	
14 F: V: T: Clause 11.0 - Liability insurances	Item	
15 F: V: T: Clause 12.0 - Effecting insurances	Item	
16 F: V: T: Clause 13.0 - No clause	N/A	
17 F: V: T: Clause 14.0 - Security	Item	
18 F: V: T: Clauses 14.1 - 14.8 are amended by replacing them with the following:		
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<p style="text-align: right;">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) 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</p> <p>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> <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</p> <p>acceptable variable construction guarantee equal in value to ten per cent (10%) of the contract sum</p>		
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<p style="text-align: right;">Brought Forward</p> <p>(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> <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>14.6.3 The payment reduction of the value certified in a payment certificate shall be mutatis mutandi 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 mutatis mutandi in terms of 31.8(8)</p> <p style="text-align: right;">Carried Forward</p>		
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<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>		
	Item	
F: V: T:		
<u>Execution</u>		
19	Clause 15.0 - Preparation for and execution of the works	Item
F: V: T:		
20	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		Item
F: V: T:		
21	Clause 16.0 - Access to the works	Item
F: V: T:		
22	Clause 17.0 - Contract instructions	Item
F: V: T:		
23	Clause 18.0 - Setting out of the works	Item
F: V: T:		
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Brought Forward		
24	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 F: V: T:	Item
25	Clause 19.0 - Assignment F: V: T:	Item
26	Clause 20.0 - Nominated subcontractors F: V: T: Note: See item B9.1 hereinafter for adjustment of attendance on nominated subcontractors executing work allowed for under provisional sums F: V: T:	Item
27	Clause 20.1.3 is amended by replacing it with the following: No Clause	
28	Clause 21.0 - Selected subcontractors F: V: T:	Item
29	Clause 21 is amended by replacing it with: No Clause F: V: T:	Item
30	Clause 22.0 - Employer's direct contractors F: V: T:	Item
31	Clause 23.0 - Contractor's domestic subcontractors F: V: T:	Item
<u>Completion</u>		
32	Clause 24.0 - Practical completion F: V: T:	Item
33	Clause 25.0 - Works completion F: V: T:	Item
34	Clause 26.0 - Final completion F: V: T:	Item
35	Clause 27.0 - Latent defects liability period F: V: T:	Item
36	Clause 28.0 - Sectional completion F: V: T:	Item
37	Clause 29.0 - Revision of the date for practical completion F: V: T:	Item
38	The removal and replacement of materials and/or workmanship which do not conform to specification or drawings shall not constitute grounds for an extension of the construction period nor for an adjustment to the contract value (clause 29.3) F: V: T:	Item
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39	<p>Clause 30.0 - Penalty for noncompletion</p> <p>F: V: T:</p> <p>Payment</p>	Item
40	<p>Clause 31.0 - Interim payment to the contractor</p> <p>F: V: T:</p>	Item
41	<p>The inclusion of materials and goods stored off site in the amount authorised for payment in terms of clause 31.4 shall be at the sole discretion of the principal agent and such inclusion shall only be considered upon the provision, by the contractor, of an approved guarantee issued by a registered commercial bank. Clause 31.6.5 is therefore not applicable</p> <p>F: V: T:</p>	Item
42	<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> <p>Alternative B</p> <p>31.8(8) 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(8).1 Ninety per cent (90%) of such value in interim payment certificates issued up to the date of practical completion</p> <p>31.8(8).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(8).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>	
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	31.8(8).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	
	31.9 is amended by replacing "twenty-one (21) calender days" with thirty (30) calender days Clause 31.12 is amended by deleting the following:	
	Payment shall be subject to the employer giving the contractor a tax invoice for the amount due	Item
	F: V: T:	
43	Clause 32.0 - Adjustment to the contract value	Item
	F: V: T:	
44	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 "	Item
	F: V: T:	
45	Clause 33.0 - Recovery of expense and loss	Item
	F: V: T:	
46	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	Item
	F: V: T:	
47	Clause 34.0 - Final account and final payment	Item
	F: V: T:	
48	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	Item
	F: V: T:	
49	Clause 35.0 - Payment to other parties	Item
	F: V: T:	
	<u>Cancellation</u>	
50	Clause 36.0 - Cancellation by employer - contractor's default	Item
	F: V: T:	
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51	<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> <p>F: V: T:</p>	Item
52	<p>Clause 37.0 - Cancellation by employer - loss and damage</p> <p>F: V: T:</p>	Item
53	<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>F: V: T:</p>	Item
54	<p>Clause 38.0 - Cancellation by contractor - employer's default</p> <p>F: V: T:</p>	Item
55	<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>F: V: T:</p>	Item
56	<p>Clause 39.0 - Cancellation - cessation of the works</p> <p>F: V: T:</p> <p><u>Dispute</u></p>	Item
57	<p>Clause 40.0 - Dispute settlement</p> <p>F: V: T:</p>	Item
58	<p>Clause 40.2.2 is amended by replacing one (1) year with three (3) years</p> <p>Clause 40.6 is amended by removing the reference to:</p> <p>No clause</p> <p>Clause 40. 7.1 is amended by replacing (10) with (15) and by the addition of the following:</p>	
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Brought Forward		
	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	Item
	F: V: T:	
	<u>Substitute provisions</u>	
59	Clause 41.0 - State clauses	Item
	F: V: T:	
	<u>Contract variables</u>	
60	Clause 42.0 - Pre-tender information	Item
	F: V: T:	
61	User Note -All information for this section requires consultation with the contractor. The principal agent should not pre-select any of the alternatives available to the contractor	Item
	F: V: T:	
62	Information necessary for the completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder	Item
	F: V: T:	
63	Clause 42.0 - Post-tender information	Item
	F: V: T:	
64	The required post-tender information shall be inserted in the agreement after consultation with the contractor	Item
	F: V: T:	
	<u>42.1 CONTRACTING AND OTHER PARTIES</u>	
	42.1.1 Employer:	
	Postal address:Code:	
	Tel:Fax:	
	E-mail: Tax/VAT registration No:	
	Physical address:	
	42.1.2 Principal agent:	
Carried Forward		R
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		Amount
Brought Forward		
Postal address:Code:		
Tel:Fax: E-mail:		
42.1.3 Agent (1)		
Agent's service:		
Postal address:		
.....Code:		
Tel:Fax:		
E-mail:		
42.1.4 Agent (2)		
Agent's service:		
Postal address:		
.....Code:		
Tel:Fax:		
E-mail:		
42.1.5 Agent (3)		
Agent's service:		
Postal address:		
.....Code:		
Tel:Fax:		
E-mail:		
42.1.6 Agent (4)		
Carried Forward		R
THABONG PRIMARY SCHOOL		

		Amount
	Brought Forward	
Agent's service:		
Postal address:		
.....Code:		
Tel:Fax:		
E-mail:		
42.1.7 Agent (5)		
Agent's service:		
Postal address:		
.....Code:		
Tel:Fax:		
E-mail:		
42.1.8 Agent (6)		
Agent's service:		
Postal address:		
.....Code:		
Tel:Fax:		
E-mail:		
42.1.9 Agent (7)		
Agent's service:		
Postal address:		
.....Code:		
Tel:Fax:		
E-mail:		
	Carried Forward	R
THABONG PRIMARY SCHOOL		

		Amount
	Brought Forward	
	<u>42.2 CONTRACT DETAILS</u>	
65	42.2.1 Works description:	
	
	
	
	F: V: T:	
66	42.2.3 Work or installations by direct contractors	
	
	
	
	
	
	
	F: V: T:	
67	42.2.2 Site description:	
	
	
	
	F: V: T:	
68	42.2.4 Specific options that are applicable to a state organ only	
	Where so:	
	(1) Interest rate legislation:	
	(2) Lateral support insurance to be effected by the contractor ? yes/no ?	
	(3) Payment will be made for materials and goods ? yes/no ?	
	Carried Forward	
	THABONG PRIMARY SCHOOL	

		Amount	
Brought Forward			
	(4) Dispute resolution by litigation ? yes/no ?		
	(5) Extended defects liability period applicable		
	to the following		
	elements:		
		
		
		
		
	F: V: T:	Item	
69	42.2.5 Possession of the site is intended to be given on (date).....	Item	
	F: V: T:		
70	42.2.6 Period for the commencement of the works after		
	the contractor takes possession of the site (No of working days)	Item	
	F: V: T:		
71	42.2.7 For the works as a whole: The date for practical completion and the penalty per calendar day		
	Date Penalty R.....	Item	
	F: V: T:		
72	42.2.8 For the works in sections: The date for practical completion and the penalty per calendar day Section 1 Date Penalty R.....		
	Section 2 Date Penalty R.....		
	Section 3 Date Penalty R.....		
	Section 4 Date Penalty R.....		
	Section 5 Date Penalty R		
	Section 6 Date Penalty R	Item	
	F: V: T:		
Carried Forward		R	
THABONG PRIMARY SCHOOL			

		Amount	
	Brought Forward		
73	42.2.9 The law applicable to this agreement shall be that of (country) F: V: T: <u>42.3 INSURANCES</u>	Item	
74	42.3.1 Contract works insurance to be effected by contractor For the sum of: R With a deductible of: R F: V: T:	Item	
75	42.3.2 Supplementary insurance is required - no F: V: T:	Item	
76	42.3.3 Public liability insurance to be effected by contractor For the sum of: R..... With a deductible of: R..... F: V: T:	Item	
77	42.3.4 Support insurance to be effected by employer For the sum of: R..... With a deductible of: R..... F: V: T:	Item	
	<u>42.4 DOCUMENTS</u>		
78	42.4.1 Waiver of the contractor's lien or right of continuing possession is required - yes F: V: T:	Item	
79	42.4.2 Construction document copies to be supplied to the contractor free of charge (No of 3) F: V: T:	Item	
80	42.4.3 State measuring system used for drawing up bills of quantities (lump sum document?) F: V: T:	Item	
81	42.4.4 Number of working days for submission of priced documents (No of) F: V: T:	Item	
	Carried Forward	R	
THABONG PRIMARY SCHOOL			

[illegible]

			Amount
Brought Forward			
<u>SECTION B - PRELIMINARIES</u>			
<u>Definitions and interpretation</u>			
85	Clause 1.0 - Definitions and interpretation	Item	
	F: V: T:		
<u>Documents</u>			
86	Clause 2.1 - Checking of documents	Item	
	F: V: T:		
87	Clause 2.2 - Provisional bills of quantities	Item	
	F: V: T:		
88	Clause 2.3 - Availability of construction documentation	Item	
	F: V: T:		
89	Clause 2.4 - Interests of agents	Item	
	F: V: T:		
90	Clause 2.5 - Priced documents	Item	
	F: V: T:		
91	Clause 2.6 - Tender submission	Item	
	F: V: T:		
92	Tenders shall be valid for a period of ? days from the closing date of tenders	Item	
	F: V: T:		
93	Clause 2.6 is amended by replacing JBCC Form of Tender with "Form of Offer/Tender" included in the returnable schedules	Item	
	F: V: T:		
<u>The site</u>			
94	Clause 3.1 - Defined works area	Item	
	F: V: T:		
95	The area of the works to be occupied by the contractor is indicated on architect's drawing	Item	
	F: V: T:		
96	Clause 3.2 - Geotechnical investigation	Item	
	F: V: T:		
97	Clause 3.3 - Inspection of the site	Item	
	F: V: T:		
98	Tenderers shall complete the Site INspection Certificate included in the tender documents and return the same with the tender submission	Item	
	F: V: T:		
99	Clause 3.4 - Existing premises occupied	Item	
	F: V: T:		
100	Clause 3.5 - Previous work - dimensional accuracy	Item	
	F: V: T:		
Carried Forward			
			R
THABONG PRIMARY SCHOOL			

			Amount
Brought Forward			
101	Clause 3.6 - Previous work - defects F: V: T:	Item	
102	Clause 3.7 - Services - known F: V: T:	Item	
103	Clause 3.8 - Services - unknown F: V: T:	Item	
104	Clause 3.9 - Protection of trees F: V: T:	Item	
105	Clause 3.10 - Articles of value F: V: T:	Item	
106	Clause 3.11 - Inspection of adjoining properties F: V: T:	Item	
<u>Management of contract</u>			
107	Clause 4.1 - Management of the works F: V: T:	Item	
108	Clause 4.2 - Programme for the works F: V: T:	Item	
109	Clause 4.3 - Progress meetings F: V: T:	Item	
110	Clause 4.4 - Technical meetings F: V: T:	Item	
111	Clause 4.5 - Labour and plant records F: V: T:	Item	
<u>Samples, shop drawings and manufacturer's instructions</u>			
112	Clause 5.1 - Samples of materials F: V: T:	Item	
113	Clause 5.2 - Workmanship samples F: V: T:	Item	
114	Clause 5.3 - Shop drawings F: V: T:	Item	
115	Clause 5.4 - Compliance with manufacturers' instructions F: V: T:	Item	
<u>Temporary works and plant</u>			
116	Clause 6.1 - Deposits and fees F: V: T:	Item	
117	Clause 6.2 - Enclosure of the works F: V: T:	Item	
118	Clause 6.3 - Advertising F: V: T:	Item	
Carried Forward			
			R
THABONG PRIMARY SCHOOL			

			Amount
Brought Forward			
119	Clause 6.4 - Plant, equipment, sheds and offices F: V: T:	Item	
120	Clause 6.5 - Main noticeboard F: V: T:	Item	
121	Clause 6.6 - Subcontractors' noticeboard F: V: T:	Item	
<u>Temporary services</u>			
122	Clause 7.1 - Location F: V: T:	Item	
123	Clause 7.2 - Water F: V: T:	Item	
124	Clause 7.3 - Electricity F: V: T:	Item	
125	Clause 7.4 - Telecommunication facilities F: V: T:	Item	
126	Clause 7.5 - Ablution facilities F: V: T:	Item	
<u>Prime cost amounts</u>			
127	Clause 8.1 - Responsibility for prime cost amounts F: V: T:	Item	
<u>Attendance on nominated/selected subcontractors</u>			
128	Clause 9.1 - General attendance F: V: T:	Item	
129	Clause 9.2 - Special attendance F: V: T:	Item	
130	Clause 9.3 - Commissioning - fuel, water and electricity F: V: T:	Item	
<u>Financial aspects</u>			
131	Clause 10.1 - Statutory taxes, duties and levies F: V: T:	Item	
132	Provision is made in the summary of these bills of quantities for the inclusion of Value Added Tax (VAT) F: V: T:	Item	
133	Clause 10.2 - Payment of preliminaries F: V: T:	Item	
134	Clause 10.3 - Adjustment of preliminaries F: V: T:	Item	
Carried Forward			R
THABONG PRIMARY SCHOOL			

		Amount
Brought Forward		
135	Should the contractor select Option B but fail to provide the information required prior to the signing of the contract, the principal agent shall have the right to select either Option A or B for the adjustment of preliminaries. If the principal agent selects Option B he shall be entitled to make assumptions at his discretion regarding the information which the contractor would normally have provided prior to the signing of the contract	Item
	F: V: T:	
136	Clause 10.4 - Payment certificate cash flow	Item
	F: V: T:	
	<u>General</u>	
137	Clause 11.1 - Protection of the works	Item
	F: V: T:	
138	Clause 11.2 - Protection/isolation of existing/sectionally occupied works	Item
	F: V: T:	
139	Clause 11.3 - Security of the works	Item
	F: V: T:	
140	Clause 11.4 - Notice before covering work	Item
	F: V: T:	
141	Clause 11.5 - Disturbance	Item
	F: V: T:	
142	Clause 11.6 - Environmental disturbance	Item
	F: V: T:	
143	?A copy of the environmental management plan is annexed to these bills of quantities. The contractor shall comply with all the requirements of such environmental management plan?	Item
	F: V: T:	
144	Clause 11.7 - Works cleaning and clearing	Item
	F: V: T:	
145	Clause 11.8 - Vermin	Item
	F: V: T:	
146	Clause 11.9 - Overhand work	Item
	F: V: T:	
147	Clause 11.10 - Instruction manuals and guarantees	Item
	F: V: T:	
148	Clause 11.11 - As built information	Item
	F: V: T:	
149	Clause 11.12 - Tenant installations	Item
	F: V: T:	
	<u>Schedule of variables</u>	
150	12.1 - Pre-tender information	Item
	F: V: T:	
Carried Forward		R
THABONG PRIMARY SCHOOL		

		Amount	
Brought Forward			
151	Information necessary for elections and completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that either specific requirements are not required or that the clause is not relevant to this specific contract	Item	
	F: V: T:		
152	12.1.1 - Provisional bills of quantities [clause 2.2]	Item	
	F: V: T:		
153	The quantities are provisional - yes	Item	
	F: V: T:		
154	12.1.2 - Availability of construction documentation [clause 2.3]	Item	
	F: V: T:		
155	Construction documentation is complete - yes	Item	
	F: V: T:		
156	12.1.3 - Interests of agents [clause 2.4] - None	Item	
	F: V: T:		
157	12.1.4 - Defined works area [clause 3.1]		
	Restrictions will be pointed out at the site inspection	Item	
	F: V: T:		
158	12.1.5 - Geotechnical investigation [clause 3.2]	Item	
	F: V: T:		
159	12.1.6 - Existing premises occupied [clause 3.4] - Yes, operational school	Item	
	F: V: T:		
160	12.1.7 - Previous work - dimensional accuracy [clause 3.5]	Item	
	F: V: T:		
161	12.1.8 - Previous work - defects [clause 3.6]	Item	
	F: V: T:		
162	12.1.9 - Services - known [clause 3.7]		
	Existing services and points of connection will be pointed out on site by the principal agent	Item	
	F: V: T:		
163	12.1.10 - Protection of trees [clause 3.9]	Item	
	F: V: T:		
164	12.1.11 - Inspection of adjoining properties [clause 3.11]	Item	
	F: V: T:		
165	12.1.12 - Enclosure of the works [clause 6.2]	Item	
	F: V: T:		
166	12.1.13 - Offices [clause 6.4.3]		
	Specific requirements:		
Carried Forward		R	
THABONG PRIMARY SCHOOL			

		Amount
Brought Forward		
	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.	Item
167	F: V: T: 12.1.14 - Main noticeboard [clause 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.	Item
168	F: V: T: 12.1.15 - Subcontractors' noticeboard [clause 6.6]	Item
169	F: V: T: A noticeboard is required - yes	Item
170	F: V: T: 12.1.16 - Water [clause 7.2]	Item
171	F: V: T: Option A (by contractor) yes Option B (by employer - free of charge) no Option C (by employer - metered) no	Item
172	F: V: T: 12.1.17 - Electricity [clause 7.3]	Item
173	F: V: T: Option A (by contractor) yes Option B (by employer - free of charge) no Option C (by employer - metered) no	Item
174	F: V: T: 12.1.18 - Telecommunications [clause 7.4]	Item
175	F: V: T: Telephone yes Facsimile yes E-mail yes	Item
	F: V: T:	
Carried Forward		R
THABONG PRIMARY SCHOOL		

			Amount
Brought Forward			
176	12.1.19 - Ablution facilities [clause 7.5] F: V: T:	Item	
177	Option A (by contractor) yes Option B (by employer) no F: V: T:	Item	
178	12.1.20 - Protection/isolation of existing/sectionally occupied works [clause 11.2] F: V: T:	Item	
179	Protection/isolation is required - yes F: V: T:	Item	
180	12.1.21 - Special attendance [clause 9.2] F: V: T:	Item	
181	12.1.22 - Protection of the works [clause 11.1] F: V: T:	Item	
182	12.1.23 - Disturbance [clause 11.5] F: V: T:	Item	
183	[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 F: V: T:	Item	
184	12.1.24 - Environmental disturbance [clause 11.6] F: V: T:	Item	
185	12.2 - Post-tender information F: V: T:	Item	
186	The required post-tender information shall be inserted in the preliminaries after consultation with the contractor F: V: T:	Item	
<u>SECTION C - SPECIFIC PRELIMINARIES</u>			
<u>User Notes-</u>			
User Note - All information for this section requires consultation with the contractor. The principal agent should not pre-select any of the alternatives available to the contractor			
User Note - Selected examples of typical clauses are provided to show possible ways of describing such clauses. Users must delete, adapt or add to these examples to suit their particular circumstances			
Carried Forward			
			R
THABONG PRIMARY SCHOOL			

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		Amount
Brought Forward		
<u>Propping of floors below</u>		
191	The contractor is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of materials and goods and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the principal agent and the cost thereof shall be borne by the contractor F: V: T:	Item
<u>Testing of windows for watertightness</u>		
192	Each window shall be tested for watertightness with water sprayed on by means of a 20mm hosepipe using adequate pressure. If in the opinion of the principal agent, the pressure proves to be inadequate, then the pressure in the hosepipe shall be boosted by means of compressed air or other approved means F: V: T:	Item
<u>Testing of flat roof waterproofing for watertightness</u>		
193	Flat roof waterproof areas shall be prepared with small sand dykes around them of a size and enclosing an area approved by the principal agent, flooded with water and kept "ponded" for at least 36 hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing F: V: T:	Item
<u>Trade names</u>		
194	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 F: V: T:	Item
<u>Contract drawings</u>		
195	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 F: V: T:	Item
Carried Forward		R
THABONG PRIMARY SCHOOL		

			Amount
Brought Forward			
<u>Occupational Health and Safety</u>			
196	Allowance to be made under this clause for compliance with all requirements of the occupational health and safety act and regulations F: V: T:	Item	
197	Health & Safety (clause C15) 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 F: V: T:	Item	
198	Occupational Health and Safety Act 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 F: V: T:	Item	
199	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 F: V: T:	Item	
<u>Provision of protective personal equipment (PPE)</u>			
200	Provision of reflective vests F: V: T:	Item	
201	Provision of hard hats F: V: T:	Item	
202	Provision of protective footwear F: V: T:	Item	
Carried Forward			
THABONG PRIMARY SCHOOL			
			R

			Amount
Brought Forward			
203	Provision of ear plugs F: V: T:	Item	
204	Provision of dust masks F: V: T:	Item	
205	Provision of gloves F: V: T:	Item	
206	Provision of high visibility overalls to SARTSM Chapter 13 Level 3 F: V: T:	Item	
207	Provision of SANS approved ear defenders F: V: T:	Item	
208	Provision of of face masks (Covid -19) F: V: T:	Item	
209	Provision of of face shields (Covid -19) F: V: T:	Item	
210	Provision of hand sanitiser (min 70% alcoholl, foot press stands and paper towels (Covid -19) F: V: T:	Item	
211	Provision of full time construction health and safety officer (SACPCMP Registered) F: V: T:	Item	
<u>SUMMARY OF CATEGORIES</u>			
<u>Categories</u>			
212	Category: Fixed F:.....		
	Category: Value V:.....		
	Category: Time T:.....	Item	
	F: V: T:		
Carried To Section Summary			
THABONG PRIMARY SCHOOL			
			R

		Amount
<u>SECTION NO. 1</u> <u>PRELIMINARIES</u> <u>SECTION SUMMARY</u> Preliminaries	Page	
	1-31	
Carried to Final Summary		
THABONG PRIMARY SCHOOL		

SECTION NO. 2
BUILDINGS

THABONG PRIMARY SCHOOL

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BUILDINGS</u>				
<u>BILL NO. 1</u>				
<u>ALTERATIONS</u>				
<u>Key:</u>	<u>Location Description:</u>			
A	BLOCK A - Admin			
B	BLOCK B - Ex 4class			
C1	BLOCK C1 - Ex Admin			
D &E	BLOCK D&E -Ex ablutn			
F	BLOCK F - Ex 4class			
G	BLOCK G - Ex 4class			
H	Block H - 6 Class 1			
I	BLOCK I - 6 Class 2			
J	BLOCK J - 3 class			
item	Item Location (Auto)			
<u>SUPPLEMENTARY PREAMBLES</u>				
<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 salvageable from the alterations. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained				
<u>General</u>				
Note to tenderers: The removal, storage ,disposal, etc of asbestos sheeting, etc to be executed in strict accordance to the bye laws (OHS) regarding same by a specialist asbestos sub-contractor. Prices to include for this.				
The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to tenants in the building and to adjoining premises and their tenants. He shall provide proper protection and provide , erect and remove when directed , any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent				
Doors, fanlights, windows, fittings, frames, linings, etc which are to remain the property of the employer shall be carefully taken out, temporarily stored				
Carried to Collection			R	
THABONG PRIMARY SCHOOL				

		Unit	Quantity	Rate	Amount
	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				
	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.)				
	<u>REMOVAL OF EXISTING WORK</u>				
	<u>Breaking up and removing reinforced concrete, including cutting off and removing reinforcement</u>				
1	Stairs and landings	m³	3		
	G 3				
	<u>Taking out and removing doors, windows, etc, including thresholds, sills, etc</u>				
2	Timber single door and frame, size 813 x 2032mm high	No	4		
	G 4				
3	Cubicle doors, size 813 x 1900mm high	No	28		
	D & E 28				
4	Glazing from steel window 1090 x 430mm high	m²	2		
	F 2				
5	Single security gate, 925 x 2032mm high	No	4		
	G 4				
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>				
6	Corrugated sheet steel roof covering and timber purlins	m²	431		
	B 288 D & E 143				
7	Roof insulation	m²	288		
	B 288				
8	Fibre cement fascias and bargeboards	m	81		
	B 81				
9	Gutters and rainwater pipes	m	333		
	B 44 C1 56 D & E 76				
	F 81 G 76				
	Carried to Collection				
				R	

THABONG PRIMARY SCHOOL

DEVELOPMENT BANK OF SOUTH AFRICA

			Unit	Quantity	Rate	Amount
10	Gypsum plasterboard ceilings, including timber brandering, cornices, etc		m ²	1,026		
	B 284 C1 185 D &E 53 F 258 G 246					
	<u>Taking out and removing sundry joinery work, fittings, etc</u>					
11	Timber skirtings		m	427		
	B 112 C1 89 F 118 G 108					
12	Timber shelves 2500 x 750 x 750 mm high		No	4		
	B 4					
	<u>Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc and preparing screeds for new floor coverings</u>					
13	Vinyl tile floor covering		m ²	718		
	B 197 C1 141 F 196 G 184					
	<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>					
14	30mm Screed from floor		m ²	49		
	G 49					
	<u>Taking out and removing sanitary fittings, tanks, geysers, etc, including disconnecting from pipes, traps, etc and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>					
15	Vitreous china wash hand basin		No	2		
	D &E 2					
16	Vitreous china WC pan with cistern and flush pipe		No	23		
	D &E 23					
17	CP star pillar taps		No	1		
	D &E 1					
	<u>Servicing of existing work</u>					
18	Investigate and isolate tap leak and repair		No	1		
	F 1					
	<u>PREPARATORY WORK TO EXISTING SURFACES</u>					
	<u>MAKING GOOD OF FINISHES ETC</u>					
	<u>Making good cement screeds</u>					
19	30mm Thick on floors in patches		m ²	49		
	G 49					
	Carried to Collection				R	
	THABONG PRIMARY SCHOOL					

		Unit	Quantity	Rate	Amount
	<u>Pavelite steel trowelled on existing screed</u>				
20	Average 4mm thick on floors and landings B 197 C1 141 F 196 G 184	m²	718		
	<u>Wire brush along length of crack and ream open cracks 20mm width x 20mm deep and scratch out any debris that may block the crack in the sides of the hole. Epoxy R8 bars in grooves at 250mm centres over the crack length. Fill the "V" grooves and plaster with structural mortar and mesh ref 100.</u>				
21	On cracks on plastered walls B 4 G 10	m	14		
	<u>Chip open the crack to form a "V" shape 20mm wide x 10mm deep and scratch out the debris that may block the crack in the sides of the hole. Grinding in the floor approximately 200mm to 300mm apart from the rebar to be placed into an epoxy repair mortar 'SIKA TOP-ARMATEC 100'. Fill the crack with structural epoxy repair mortar 'SIKA MONO TOP 615HB'</u>				
22	On cracks on concrete floors, walkways, etc F 28 G 7	m	35		
	<u>Resealing of joints</u>				
23	Ream out joint and install UV resistant polysulphide sealant B 52 C1 51 D & E 46	m	149		
	<u>Pressure cleaning existing buildings</u>				
24	External facebrick B 218 C1 165 D & E 140 F 218 G 218	m²	959		
	<u>BUDGETARY ALLOWANCE</u>				
25	Allow a budgetary amount of R200 000.00 for Remedial Works	Item			200,000 00
Carried to Collection					R
THABONG PRIMARY SCHOOL					

		Amount
<p><u>BILL NO. 1</u> <u>ALTERATIONS</u> <u>COLLECTION</u></p>	Page No	
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THABONG PRIMARY SCHOOL		
		R

			Unit	Quantity	Rate	Amount
	<u>Back excavation of vertical sides of excavations in earth for working space including backfilling compacted to 75% Mod AASHTO density</u>					
7	Not exceeding 500mm deep for placing and removing formwork to walls etc, 75mm away from excavated face			m ²	719	
	A	190	H	210	I	210
	J	109				
	<u>Extra over all excavations for carting away</u>					
8	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor			m ³	746	
	A	102	H	268	I	268
	J	108				
	<u>Risk of collapse of excavations</u>					
9	Sides of excavations not exceeding 1,5m deep			m ²	1,438	
	A	380	H	420	I	420
	J	218				
	<u>Keeping excavations free of water</u>					
10	Keeping excavations free of all water other than subterranean water			Item		
	item	1				
	<u>FILLING, ETC</u>					
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density</u>					
11	Under floors, steps, pavings, etc			m ³	243	
	A	23	H	84	I	84
	J	52				
12	Backfilling to trenches, holes, etc.			m ³	68	
	A	18	H	20	I	20
	J	10				
	<u>Filling of G7 supplied by the contractor, compacted to 95% Mod AASHTO density</u>					
13	Backfilling to trenches, holes, etc			m ³	169	
	A	45	H	49	I	49
	J	26				
14	Under floors, steps, paving, etc.			m ³	243	
	A	23	H	84	I	84
	J	52				
	<u>Filling of coarse river sand supplied by the contractor, consolidated</u>					
15	Under floors etc			m ³	51	
	A	8	H	17	I	26
	Carried to Collection					
	THABONG PRIMARY SCHOOL					R

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EARTHWORKS
COLLECTION

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THABONG PRIMARY SCHOOL

		Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>					
<u>BUILDINGS</u>					
<u>BILL NO. 3</u>					
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>					
<u>Key:</u>		<u>Location Description:</u>			
A		BLOCK A - Admin			
B		BLOCK B - Ex 4class			
C1		BLOCK C1 - Ex Admin			
D &E		BLOCK D&E -Ex ablutn			
F		BLOCK F - Ex 4class			
G		BLOCK G - Ex 4class			
H		Block H - 6 Class 1			
I		BLOCK I - 6 Class 2			
J		BLOCK J - 3 class			
item		Item Location (Auto)			
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>					
<u>15Mpa/19mm concrete</u>					
1	Surface blinding under footings	m³	25		
	A 7 H 7 I 7				
	J 4				
<u>REINFORCED CONCRETE</u>					
<u>25 Mpa/19mm Concrete:</u>					
2	Strip footings	m³	126		
	A 33 H 37 I 37				
	J 19				
3	Surface beds on waterproofing	m³	276		
	A 36 H 96 I 96				
	J 48				
4	Thickenings, size 600 x 400mm	m	185		
	A 28 H 62 I 62				
	J 33				
5	Stairs, including landings, beams, etc	m³	2		
	G 2				
<u>TEST BLOCKS</u>					
6	Making and testing set of three 150 x 150 x 150mm concrete strength test cubes.	Sets	28		
	A 5 H 9 I 9				
	J 5				
Carried to Collection				R	
THABONG PRIMARY SCHOOL					

		Unit	Quantity	Rate	Amount
<u>CONCRETE SUNDRIES</u>					
<u>Finishing top surfaces of concrete smooth with a wood float</u>					
7	Surface beds, slabs, etc	m ²	298		
	A 51 H 99 I 99				
	J 49				
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>					
<u>Rough Formwork to Sides:</u>					
8	Footings	m	1,438		
	A 380 H 420 I 420				
	J 218				
9	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	104		
	G 104				
<u>MOVEMENT JOINTS ETC</u>					
<u>Slip joints with three layers of damp proof sheeting between horizontal concrete and brick surfaces including cement mortar bed:</u>					
10	Not exceeding 300mm wide.	m	34		
	A 9 H 10 I 10				
	J 5				
<u>Expansion joints with bitumen emulsion paint between horizontal concrete and brick surfaces:</u>					
11	Joints not exceeding 300mm high.	m	722		
	A 242 H 160 I 160				
	J 160				
<u>Saw cut joints:</u>					
12	3 x 25mm Saw cut joints in two operations in top of concrete.	m	220		
	H 88 I 66 J 66				
<u>REINFORCEMENT</u>					
<u>Mild steel reinforcement to structural concrete work:</u>					
13	Bars of varying diameters.	Tonnes	12		
	A 2 H 4 I 4				
	J 2				
<u>High tensile steel reinforcement to structural concrete work:</u>					
14	Bars of varying diameters.	Tonnes	5		
	A 1 H 2 I 2				
Carried to Collection				R	
THABONG PRIMARY SCHOOL					

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		Amount
<u>BILL NO. 3</u>		
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>		
<u>COLLECTION</u>		
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				Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>							
<u>BUILDINGS</u>							
<u>BILL NO. 4</u>							
<u>MASONRY</u>							
<u>Key:</u>		<u>Location Description:</u>					
A		BLOCK A - Admin					
B		BLOCK B - Ex 4class					
C1		BLOCK C1 - Ex Admin					
D &E		BLOCK D&E -Ex ablutn					
F		BLOCK F - Ex 4class					
G		BLOCK G - Ex 4class					
H		Block H - 6 Class 1					
I		BLOCK I - 6 Class 2					
J		BLOCK J - 3 class					
item		Item Location (Auto)					
<u>BRICKWORK IN FOUNDATIONS (PROVISIONAL)</u>							
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u>							
1	One brick walls				m ²	597	
	A	158	H	174	I	174	
	J	91					
<u>Fair face to brickwork of selected building bricks in horizontal stretcher bond pointed with flush horizontal and vertical joints</u>							
2	Extra over for fair face				m ²	206	
	A	16	H	66	I	66	
	J	58					
<u>2,5mm Brickwork reinforcement</u>							
3	150mm Wide reinforcement built in horizontally				m	2,388	
	A	632	H	697	I	697	
	J	362					
<u>BRICKWORK IN SUPERSTRUCTURE</u>							
<u>Brickwork in NFP bricks in Class II mortar:</u>							
4	Piers.				m ³	0.5	
	A	0.5					
5	Half brick walls.				m ²	204	
	A	204					
6	Half brick walls in beamfilling.				m ²	108	
	A	35	H	29	I	29	
	J	15					
7	Half brick walls in hollow column.				m ²	10	
	A	10					
Carried to Collection							
						R	
THABONG PRIMARY SCHOOL							

					Unit	Quantity	Rate	Amount
8	One brick walls				m ²	579		
	A 51	H 219	I 219					
	J 90							
9	One brick walls (firewalls)				m ²	147		
	H 59	I 59	J 29					
10	One brick walls of two half brick skins bagged and sealed.				m ²	1,037		
	A 257	H 332	I 332					
	J 116							
11	One brick walls of two half brick skins bagged and sealed (gable walls).				m ²	47		
	A 17	H 10	I 10					
	J 10							
12	One and half brick walls				m ²	11		
	A 11							
	<u>BRICKWORK SUNDRIES</u>							
	<u>Brickwork reinforcement:</u>							
13	75mm Wide reinforcement built in horizontally.				m	902		
	A 612	H 116	I 116					
	J 58							
14	150mm Wide reinforcement built in horizontally.				m	7,412		
	A 1475	H 2479	I 2479					
	J 979							
15	225mm Wide reinforcement built in horizontally.				m	40		
	A 40							
	<u>Prestressed concrete fabricated lintels:</u>							
16	90 x 114mm Lintels laid side by side in lengths not exceeding 3m.				m	324		
	A 52	H 109	I 109					
	J 54							
	<u>Turning pieces:</u>							
17	110mm Wide turning piece to lintels etc.				m	167		
	A 41	H 53	I 47					
	J 26							
	<u>Galvanised hoop iron cramps, ties, etc:</u>							
18	30 x 1,6mm Roof tie 1,5m long with one end fixed to timber and other end built into brickwork.				No	260		
	A 50	H 84	I 84					
	J 42							
Carried to Collection							R	
THABONG PRIMARY SCHOOL								

DEVELOPMENT BANK OF SOUTH AFRICA

		Unit	Quantity	Rate	Amount
	<u>Air bricks etc:</u>				
19	Set of two Terra-cotta 229 x 152mm clay vermin proof air bricks. A 4 H 4 I 4 J 4	No	16		
	<u>FACE BRICKWORK</u>				
	<u>Corobrik Ruby Light Satin FBS or Equivalent/similar approved face bricks pointed with recessed horizontal and vertical joints:</u>				
20	Extra over brickwork for face brickwork externally. A 257 H 346 I 346 J 123	m ²	1,072		
21	Extra over brickwork for face brickwork internally (dado) 0.94m high. A 160 F 32 H 79 I 79	m ²	350		
22	Extra over brickwork for face brickwork externally in gables. A 17 H 10 I 10 J 10	m ²	47		
23	Extra over brickwork for face brickwork in beamfilling. A 35 H 29 I 29 J 15	m ²	108		
24	Extra over brickwork for brick-on-edge header course lintel pointed on one face and 220mm soffit. H 91 I 91 J 46	m	228		
25	Fair raking cutting. A 21 H 24 I 24 J 12	m	81		
26	Fair splay cutting. A 25 H 41 I 41 J 30	m	137		
	<u>Brick-on-edge header course copings, sills, etc of Corobrik Ruby Light Satin SBS face bricks, pointed with flush joints on all exposed faces</u>				
27	170 mm Wide sills set sloping and slightly projecting A 25 H 61 I 61 J 30	m	177		
	Carried to Collection			R	
THABONG PRIMARY SCHOOL					

		Amount
<p><u>BILL NO. 4</u> <u>MASONRY</u> <u>COLLECTION</u></p>	Page No	
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						Unit	Quantity	Rate	Amount																																																																																																														
<u>SECTION NO. 2</u>																																																																																																																							
<u>BUILDINGS</u>																																																																																																																							
<u>BILL NO. 5</u>																																																																																																																							
<u>WATERPROOFING</u>																																																																																																																							
<table><tr><td><u>Key:</u></td><td colspan="9"><u>Location Description:</u></td></tr><tr><td>A</td><td colspan="9">BLOCK A - Admin</td></tr><tr><td>B</td><td colspan="9">BLOCK B - Ex 4class</td></tr><tr><td>C1</td><td colspan="9">BLOCK C1 - Ex Admin</td></tr><tr><td>D &E</td><td colspan="9">BLOCK D&E -Ex ablutn</td></tr><tr><td>F</td><td colspan="9">BLOCK F - Ex 4class</td></tr><tr><td>G</td><td colspan="9">BLOCK G - Ex 4class</td></tr><tr><td>H</td><td colspan="9">Block H - 6 Class 1</td></tr><tr><td>I</td><td colspan="9">BLOCK I - 6 Class 2</td></tr><tr><td>J</td><td colspan="9">BLOCK J - 3 class</td></tr><tr><td>item</td><td colspan="9">Item Location (Auto)</td></tr></table>										<u>Key:</u>	<u>Location Description:</u>									A	BLOCK A - Admin									B	BLOCK B - Ex 4class									C1	BLOCK C1 - Ex Admin									D &E	BLOCK D&E -Ex ablutn									F	BLOCK F - Ex 4class									G	BLOCK G - Ex 4class									H	Block H - 6 Class 1									I	BLOCK I - 6 Class 2									J	BLOCK J - 3 class									item	Item Location (Auto)								
<u>Key:</u>	<u>Location Description:</u>																																																																																																																						
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J	BLOCK J - 3 class																																																																																																																						
item	Item Location (Auto)																																																																																																																						
<u>DAMPPROOFING OF WALLS AND FLOORS</u>																																																																																																																							
<u>Brikgrip SABS approved DPC embossed damp proof course:</u>																																																																																																																							
1	In walls					m²	216																																																																																																																
	A	57	H	63	I	63																																																																																																																	
	J	33																																																																																																																					
2	In walls under cills.					m²	206																																																																																																																
	A	4	H	81	I	81																																																																																																																	
	J	40																																																																																																																					
<u>One layer of 250 micron Consol Plastics Gunplas USB Green waterproof sheeting sealed at laps with Gunplas Pressure Sensitive Tape:</u>																																																																																																																							
3	Under surface beds.					m²	1,799																																																																																																																
	A	378	H	568	I	568																																																																																																																	
	J	285																																																																																																																					
<u>FLASHINGS ETC.</u>																																																																																																																							
<u>One coat primer and three coats SABS approved acrylic emulsion.</u>																																																																																																																							
4	Bandage flashing 300mm wide.					m	132																																																																																																																
	A	32	B	9	F	8																																																																																																																	
	H	33	I	33	J	17																																																																																																																	
<u>JOINT SEALANTS ETC</u>																																																																																																																							
<u>Approved clear silicone sealant:</u>																																																																																																																							
5	In joints between steel frames and walls					m	887																																																																																																																
	A	120	H	310	I	310																																																																																																																	
	J	147																																																																																																																					
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DEVELOPMENT BANK OF SOUTH AFRICA

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		Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>					
<u>BUILDINGS</u>					
<u>BILL NO. 6</u>					
<u>ROOF COVERINGS</u>					
<u>Key:</u>		<u>Location Description:</u>			
A		BLOCK A - Admin			
B		BLOCK B - Ex 4class			
C1		BLOCK C1 - Ex Admin			
D &E		BLOCK D&E -Ex ablutn			
F		BLOCK F - Ex 4class			
G		BLOCK G - Ex 4class			
H		Block H - 6 Class 1			
I		BLOCK I - 6 Class 2			
J		BLOCK J - 3 class			
item		Item Location (Auto)			
<u>RIBBED METAL SHEETING AND ACCESSORIES</u>					
<u>Safintra Saflok 700 AZ 200 0.55mm thick concealed</u>					
<u>fixing roof sheeting with Colorplus pre-painted white</u>					
<u>finish fixed to steel purlins at about 1600mm centres</u>					
<u>in accordance with manufacturers instruction</u>					
1	Roof covering with pitch not exceeding 25 degrees, in transportable lengths not exceeding 20m.		m ²	1,943	
	A 311	B 288	D &E 143		
	H 480	I 480	J 241		
<u>Flashings:</u>					
2	Ridge capping 462mm girth, three times bent along girth and notched on site to suit roof profile.		m	225	
	A 33	B 31	D &E 16		
	H 58	I 58	J 29		
3	Polyclosers to suite profile of sheeting.		m	900	
	A 131	B 124	D &E 64		
	H 232	I 232	J 117		
4	Ridge end cap		No	12	
	A 2	B 2	D &E 2		
	H 2	I 2	J 2		
Carried to Collection				R	
THABONG PRIMARY SCHOOL					

					Unit	Quantity	Rate	Amount
<u>ROOF AND WALL LINING AND INSULATION</u>								
<u>Super Sisalation® Heavy Industrial Grade 430 - Double sided reflective foil laminate incorporating layers of kraft paper and reinforcing scrim, laminated together with low density polyethylene (293gsm).</u>								
5	Insulation laid taut over timber rafters (at approximately 1200mm centres) and fixed concurrent with tiling battens, purlins, etc.				m²	1,741		
A	250	B	288	D & E	143			
H	425	I	425	J	210			
Carried to Collection							R	
THABONG PRIMARY SCHOOL								

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BILL NO. 6

ROOF COVERINGS

COLLECTION

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THABONG PRIMARY SCHOOL

		Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>					
<u>BUILDINGS</u>					
<u>BILL NO. 7</u>					
<u>CARPENTRY AND JOINERY</u>					
<u>Key:</u>		<u>Location Description:</u>			
A		BLOCK A - Admin			
B		BLOCK B - Ex 4class			
C1		BLOCK C1 - Ex Admin			
D &E		BLOCK D&E -Ex ablutn			
F		BLOCK F - Ex 4class			
G		BLOCK G - Ex 4class			
H		Block H - 6 Class 1			
I		BLOCK I - 6 Class 2			
J		BLOCK J - 3 class			
item		Item Location (Auto)			
<u>PREFABRICATED ROOF TRUSSES, ETC.</u>					
<u>Prefabricated plate nailed timber roof truss construction:</u>					
1	Double pitch roof truss with a clear span of 7400mm rising 1400mm to apex with a 750mm eaves overhang on both sides.	No	25		
	A 25				
2	Double pitch roof truss with a clear span of 7920mm rising 1400mm to apex with a 750mm eaves overhang on both sides.	No	158		
	H 63 I 63 J 32				
<u>ROOF CONSTRUCTION</u>					
<u>Sawn softwood :</u>					
3	38 x 114mm Wall plates	m	355		
	A 65 H 116 I 116 J 58				
4	38 x 114mm Bracings.	m	355		
	A 65 H 116 I 116 J 58				
5	38 x 114mm Sprockets.	m	16		
	A 5 H 4 I 4 J 3				
6	50 x 76mm Purlins.	m	1,423		
	A 262 H 464 I 464 J 233				
7	50 x 76mm Trimmer batten.	m	276		
	H 108 I 108 J 60				
Carried to Collection				R	
THABONG PRIMARY SCHOOL					

					Unit	Quantity	Rate	Amount
8	50 x 76mm Gable trim.				m	99		
	A 32 H 26 I 26							
	J 15							
	<u>Wrought softwood:</u>							
9	70 x 56mm wrought splayed purlins.				m	355		
	A 65 H 116 I 116							
	J 58							
	<u>LAMINATED TIMBER</u>							
	<u>Wrought softwood Grade 5:</u>							
10	50 x 220mm Beams bolted.				m	290		
	H 116 I 116 J 58							
	<u>ROOF SUNDRIES</u>							
	<u>Sundries:</u>							
11	Two coats creosote on sawn timbers.				m ²	275		
	A 30 H 98 I 98							
	J 49							
12	300mm Long wrought end to 50 x 75mm sawn timber.				No	80		
	A 20 H 24 I 24							
	J 12							
13	600mm Long wrought end to 50 X 75mm sawn timber.				No	105		
	H 42 I 42 J 21							
14	840mm Long wrought end to 50 X 75mm sawn timber.				No	50		
	A 50							
15	2500mm Long wrought and splay cut end to 38 x 114mm sawn timber.				No	105		
	H 42 I 42 J 21							
16	Teco rafter / beam connector.				No	478		
	A 100 H 168 I 168							
	J 42							
17	2,5mm Diameter galvanised wire tie 400mm girth wrapped around rafter and purlin with ends tied together.				No	1,040		
	A 200 H 336 I 336							
	J 168							
	<u>EAVES, VERGES, ETC</u>							
	<u>Pressed fibre-cement:</u>							
18	12 x 225mm Medium density fascia boards including galvanised steel H-profile jointing strips.				m	479		
	A 65 B 62 F 62							
	H 116 I 116 J 58							
	Carried to Collection							
	THABONG PRIMARY SCHOOL						R	

		Unit	Quantity	Rate	Amount
19	12 x 80 x 200mm Medium density angle section bargeboards including galvanised steel H-profile jointing strips. A 32 B 9 F 16 H 33 I 33 J 17 <u>NUTEC-CEMENT/FIBRE-CEMENT WINDOW SILLS</u> <u>Natural grey sills in single lengths bedded in class II mortar including metal fixing lugs etc</u>	m	140		
20	Everite Nutec window external sills 15 x 150mm wide set flat and slightly projecting H 61 I 61 J 30	m	152		
21	Everite Nutec window internal sills 15 x 150mm wide set flat and slightly projecting B 26 <u>SKIRTINGS</u> <u>Wrought meranti:</u>	m	26		
22	19 x 70mm Skirting including 19mm quadrant bead. A 235 B 112 C1 89 F 118 G 108 H 338 I 338 J 130 <u>FRAMED DOORS, ETC</u> <u>Blaco wrought saligna doors hung to steel frames:</u>	m	1,468		
23	40mm Framed ledged and braced batten door 813 x 2032mm A 10 G 4 H 14 I 14 J 7	No	49		
24	40mm Framed ledged and braced batten door 813 x 2032mm (cut 100mm high) A 5 D & E 28	No	33		
25	40mm Framed ledged and braced batten door 900x 2032mm (Paraplegic). A 1 <u>SEMI SOLID CORE FLUSH DOORS</u> <u>Flush doors with hardboard covering on both sides with hardwood finger-jointed stiles hung to steel frames:</u>	No	1		
26	40mm Door 1500 x 2032mm high (BIC). G 2	No	2		
Carried to Collection				R	

THABONG PRIMARY SCHOOL

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CARPENTRY AND JOINERY

COLLECTION

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THABONG PRIMARY SCHOOL

			Unit	Quantity	Rate	Amount
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<u>BUILDINGS</u>						
<u>BILL NO. 8</u>						
<u>CEILINGS PARTITIONS AND ACCESS FLOORING</u>						
<u>Key:</u>		<u>Location Description:</u>				
A		BLOCK A - Admin				
B		BLOCK B - Ex 4class				
C1		BLOCK C1 - Ex Admin				
D &E		BLOCK D&E -Ex ablutn				
F		BLOCK F - Ex 4class				
G		BLOCK G - Ex 4class				
H		Block H - 6 Class 1				
I		BLOCK I - 6 Class 2				
J		BLOCK J - 3 class				
item		Item Location (Auto)				
<u>NAILED UP AND SCREW UP CEILINGS</u>						
<u>6,4mm 'Rhinoboard' M-Strip ceiling fixed print side up to brandering with 32mm galvanized clout nails or 32mm grabber screws at 150mm centers with 'M-Strip' cover strips over joints with all nail or screw heads stopped and sanded level, all in strict accordance with the manufacturer's instructions:</u>						
1	Ceilings including 50 x 50 mm sawn softwood brandering at 400mm centres in one direction only to trusses (elsewhere) at 1,5mm centres.			m²	2,270	
	A 241	B 280	C1 44			
	D &E 141	F 258	G 246			
	H 425	I 425	J 210			
2	Extra over ceiling for 600 x 600mm trap door.			No	18	
	B 4	C1 2	D &E 2			
	F 2	G 2	H 2			
	I 2	J 2				
<u>Wrot softwood cornices</u>						
3	19 x 44mm Cornice nailed			m	1,685	
	A 235	B 66	C1 48			
	D &E 105	F 236	G 175			
	H 338	I 338	J 144			
Carried To Section Summary					R	
THABONG PRIMARY SCHOOL						

					Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>								
<u>BUILDINGS</u>								
<u>BILL NO. 9</u>								
<u>FLOOR COVERINGS</u>								
<u>Key:</u>								
<u>Location Description:</u>								
A BLOCK A - Admin								
B BLOCK B - Ex 4class								
C1 BLOCK C1 - Ex Admin								
D &E BLOCK D&E -Ex ablutn								
F BLOCK F - Ex 4class								
G BLOCK G - Ex 4class								
H Block H - 6 Class 1								
I BLOCK I - 6 Class 2								
J BLOCK J - 3 class								
item Item Location (Auto)								
<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>300 x 300 x 2,5mm Thick hard wearing semi-flexible vinyl floor tiles fixed with 'Marley No.60 Acrylic Adhesive':</u>								
1	On floors.				m²	2,019		
	A	241	B	197	C1	141		
	F	196	G	184	H	425		
	I	425	J	210				
<u>POLISH, SEALERS, ETC</u>								
<u>Polish, sealers, etc:</u>								
2	Two coats wax polish on vinyl flooring.				m²	2,019		
	A	241	B	197	C1	141		
	F	196	G	184	H	425		
	I	425	J	210				
Carried To Section Summary							R	
THABONG PRIMARY SCHOOL								

						Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>									
<u>BUILDINGS</u>									
<u>BILL NO. 10</u>									
<u>IRONMONGERY</u>									
<u>Key:</u>		<u>Location Description:</u>							
A		BLOCK A - Admin							
B		BLOCK B - Ex 4class							
C1		BLOCK C1 - Ex Admin							
D &E		BLOCK D&E -Ex ablutn							
F		BLOCK F - Ex 4class							
G		BLOCK G - Ex 4class							
H		Block H - 6 Class 1							
I		BLOCK I - 6 Class 2							
J		BLOCK J - 3 class							
item		Item Location (Auto)							
<u>IRONMONGERY</u>									
<u>LOCKS</u>									
<u>Manufactured by Union</u>									
1	40mm Padlock (gate)					No	22		
	A	2	H	8	I	8			
	J	4							
2	65mm Padlock (trap door)					No	8		
	A	2	H	2	I	2			
	J	2							
<u>Manufactured by Geze</u>									
3	Ref 730/68 - 76 mm Profile arch sashlock S/S					No	49		
	A	10	G	4	H	14			
	I	14	J	7					
4	Ref 880-66/78 - 5 Pin NP Double cylinder 66mm 3K N.PL					No	49		
	A	10	G	4	H	14			
	I	14	J	7					
5	Ref AZ2001SR TS2000VP DCL with P/ARM BRACKET SR					No	33		
	A	5	D &E	28					
6	Master key					No	4		
	A	1	H	1	I	1			
	J	1							
7	Grand master key					No	4		
	A	1	H	1	I	1			
	J	1							
Carried to Collection									
THABONG PRIMARY SCHOOL								R	

DEVELOPMENT BANK OF SOUTH AFRICA

		Unit	Quantity	Rate	Amount
	<u>HANDLES</u>				
	<u>Manufactured by Geze</u>				
8	Ref EDE/101C-Daytona19mm/165X165X1.5/PL.CYL A 10 G 4 H 14 I 14 J 7	No	49		
9	Ref 295/01 - Helping hand L/H OR R/H item 3	No	3		
10	Ref JD213/305 - B/T S.S P/hand 330X305X25mm item 4	No	4		
11	Ref 075/160/B - 075/160 -BT P/H 111X19 ON 160X160 BPL SS A 5 D & E 28	No	33		
	<u>PUSH PLATES AND KICK PLATES</u>				
	<u>Manufactured by 'Geze'</u>				
12	160 x 160mm stainless steel push plate A 1 D & E 2	No	3		
13	813 x 20mm stainless steel kick plate A 1 D & E 2	No	3		
	<u>DOOR CLOSERS</u>				
	<u>Dorma:</u>				
14	'TS91' Overhead door closer with bracket fixed to metal A 2	No	2		
	<u>LETTERS, NAMEPLATES, ETC.</u>				
	<u>Manufactured by 'Geze'</u>				
15	90 x 32 x 3mm Thick perspex plate with 25mm high engraved and painted letters or numerals. A 2	No	2		
16	Ref 079/160E-S/ST P/PL 160 x 160 x 1.2mm anodised aluminium plate with male or female symbol. A 2	No	2		
17	Ref 079/160E-S/ST P/PL 160 x 160 x 1.2mm anodised aluminium plate with paraplegic symbol. A 1	No	1		
18	200 x 200 x 3mm Thick perspex plate with fire exit, fire extinguisher, fire hose reel or fire hydrant symbol. A 4 H 7 I 7 J 3	No	21		
	Carried to Collection			R	
	THABONG PRIMARY SCHOOL				

DEVELOPMENT BANK OF SOUTH AFRICA

		Unit	Quantity	Rate	Amount
<u>BATHROOM FITTINGS</u>					
<u>Kimberley-Clark:</u>					
19	Approved lockable two roll toilet roll holder, size 144 x 138 x 301mm, plugged. A 5	No	5		
20	Approved liquid soap dispenser, size 200 x 85 x 140mm, grade 304 stainless steel unit, plugged. A 3	No	3		
21	19mm Diameter chromium plated towel rail 600mm long including end brackets. A 3	No	3		
<u>SUNDRIES</u>					
<u>Geze:</u>					
22	Ref 140/83 - Door stop floor mounted A 16 H 14 I 14 J 7	No	51		
<u>Chairman Industries:</u>					
23	32mm Stainless steel side grab rail plugged. A 1	No	1		
24	32mm Stainless steel rear grab rail plugged. A 1	No	1		
<u>Lecico:</u>					
25	Toilet seat cover to match existing toilet A 5	No	5		
<u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</u>					
<u>Parrot:</u>					
26	Educational board side panel green writing board 1220 x 920mm high (ED2068) with aluminium chalk rail plugged (AL0120A). H 12 I 12 J 6	No	30		
27	Edu BD Centre Panel magnetic white board 1820 x 1220mm high (ED7068) with aluminium chalk rail plugged (AL0120B). A 1 H 6 I 6 J 3	No	16		
28	Pinning board 3000 x 1200mm high plugged A 3 H 6 I 6 J 3	No	18		
Carried to Collection				R	
THABONG PRIMARY SCHOOL					

DEVELOPMENT BANK OF SOUTH AFRICA

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Amount

BILL NO. 10
IRONMONGERY
COLLECTION

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THABONG PRIMARY SCHOOL

				Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>							
<u>BUILDINGS</u>							
<u>BILL NO. 11</u>							
<u>METALWORK</u>							
<u>Key:</u>		<u>Location Description:</u>					
A		BLOCK A - Admin					
B		BLOCK B - Ex 4class					
C1		BLOCK C1 - Ex Admin					
D &E		BLOCK D&E -Ex ablutn					
F		BLOCK F - Ex 4class					
G		BLOCK G - Ex 4class					
H		Block H - 6 Class 1					
I		BLOCK I - 6 Class 2					
J		BLOCK J - 3 class					
item		Item Location (Auto)					
<u>SUNDRY GALVANISED STEELWORK</u>							
<u>Welded columns to walkways (unpainted):</u>							
1	76 x 76 x 4mm Hollow section column 3000mm high.				No	61	
	A	8	H	20	I	20	
	J	13					
2	150 x 150 x 8mm Base or cap plate welded on and four times drilled for bolts.				No	61	
	A	8	H	20	I	20	
	J	13					
3	U-shaped bracket formed of 125 x 3mm flat section 380mm girth welded on and twice drilled for bolts.				No	61	
	A	8	H	20	I	20	
	J	13					
4	12mm Diameter x 90mm long fixing bolt.				No	122	
	A	16	H	40	I	40	
	J	26					
5	10mm Expansion bolt.				No	244	
	A	32	H	80	I	80	
	J	52					
<u>GALVANISED STEEL BALUSTRADING</u>							
<u>Framed and welded balustrading to access balconies (unpainted):</u>							
6	1100mm High balustrading comprising 25 x 50 x 2,5mm hollow section top and bottom rails, filled with 12 x 12mm solid section balusters at 100mm centres, 40 x 40 x 3mm hollow section baluster with 100 x 150 x 8mm base plate welded on and twice bolted at 1500mm centres (As per drawing).				m	31	
	G	31					
Carried to Collection							
						R	
THABONG PRIMARY SCHOOL							

		Unit	Quantity	Rate	Amount
<u>WELDED GALVANISED SCREENS, GATES, ETC.</u>					
<u>Screens and gates</u>					
7	Gate 925 x 2032mm high, 10 x 10mm mild steel bars placed at 100mm centres at a 45 degree angle with outer frame and inner frame including a pair of suitable hinges welded to frame and lockable sliding bolt with keep in frame (G1)	No	24		
	G 4 H 8 I 8 J 4				
8	Double gate with two fixed panels 3554 x 2115mm high overall with double gate 1600 x 2000mm of outer frame and inner frame with a pair of suitable hinges welded to frame and lockable sliding bolt with keep in frame (G2)	No	2		
	A 2				
<u>GALVANISED STEEL CUPBOARDS</u>					
9	Lockable steel cupboard, size 1050 x 500 x 2100mm high	No	2		
	A 2				
<u>GALVANISED PRESSED STEEL DOOR FRAMES</u>					
<u>1,2mm Double rebated frames suitable for half brick walls</u>					
10	Frame for door 813 x 2032mm high	No	16		
	A 16				
11	Frame for door 900 x 2032mm high	No	1		
	A 1				
12	Frame for door 1515 x 2032mm high	No	2		
	A 2				
<u>1,2mm Double rebated frames suitable for One brick walls</u>					
13	Frame for door 813 x 2032mm high	No	45		
	G 4 H 14 I 14 J 13				
<u>GALVANISED STEEL WINDOWS, DOORS, ETC.</u>					
All windows shall be fitted with standard brass fittings recommended by the manufacturer.					
Burglar bars shall be standard pattern 5 x 20mm flat section bars corresponding horizontally and vertically with glazing bars.					
Burglar bars to be fitted to all opening sections only unless otherwise described.					
Carried to Collection				R	
THABONG PRIMARY SCHOOL					

		Unit	Quantity	Rate	Amount
	<u>Standard residential windows:</u>				
14	Composite window, 533 x 654mm high (W4) A 7	No	7		
15	Composite window, 1022 x 654mm high (W2) A 7	No	7		
16	Composite window, 1022 x 1245mm high (W5) A 14	No	14		
	<u>Standard school windows:</u>				
17	Composite window, 889 x 457mm high (W5) H 60 I 60 J 30	No	150		
18	Composite window, 889 x 1248mm high (W7) H 8 I 8 J 4	No	20		
	<u>Standard galvanised steel cottage pane french door</u>				
19	Double door size 1600 x 2135mm high (D3). 3 pairs bush bearing hinges) A 2	No	2		
	<u>STEEL RECORDROOM AND STRONGROOM DOORS, VENTILATORS, ETC</u>				
	<u>Strong room doors etc suitable for 230mm walls fixed to brickwork or concrete</u>				
20	Record room door and frame 830 x 1935mm high overall with a mass of 180kg A 1	No	1		
	Carried to Collection				
	THABONG PRIMARY SCHOOL			R	

		Amount
<u>BILL NO. 11</u>		
<u>METALWORK</u>		
<u>COLLECTION</u>		
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THABONG PRIMARY SCHOOL		
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		Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>					
<u>BUILDINGS</u>					
<u>BILL NO. 12</u>					
<u>PLASTERING</u>					
<u>Key:</u>		<u>Location Description:</u>			
A		BLOCK A - Admin			
B		BLOCK B - Ex 4class			
C1		BLOCK C1 - Ex Admin			
D &E		BLOCK D&E -Ex ablutn			
F		BLOCK F - Ex 4class			
G		BLOCK G - Ex 4class			
H		Block H - 6 Class 1			
I		BLOCK I - 6 Class 2			
J		BLOCK J - 3 class			
item		Item Location (Auto)			
<u>SCREEDS</u>					
All vinyl flooring materials require a smooth, hard, clean, true and level surface, not only for appearance but also for achieving satisfactory adhesive bond and long term durability					
The main contractor should ensure the sub-floor is acceptable to receive vinyl flooring specified in respect of levelness. Smoothness, soundness and cleanness					
<u>Screeds on concrete:</u>					
1	20mm Thick on floors and landings to falls to receive glazed tiles.		m²	107	
	D &E 107				
2	23mm Thick on floors and landings to receive vinyl tiles.		m²	1,300	
	A 241	H 424	I 425		
	J 210				
<u>INTERNAL PLASTER</u>					
<u>Cement plaster on brickwork:</u>					
3	On walls.		m²	2,451	
	A 624	H 767	I 767		
	J 293				
4	On walls to receive tiles.		m²	92	
	A 92				
5	On narrow widths.		m²	82	
	A 12	H 28	I 28		
	J 14				
Carried To Section Summary				R	
THABONG PRIMARY SCHOOL					

		Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>					
<u>BUILDINGS</u>					
<u>BILL NO. 13</u>					
<u>TILING</u>					
<u>Key:</u>		<u>Location Description:</u>			
A		BLOCK A - Admin			
B		BLOCK B - Ex 4class			
C1		BLOCK C1 - Ex Admin			
D &E		BLOCK D&E -Ex ablutn			
F		BLOCK F - Ex 4class			
G		BLOCK G - Ex 4class			
H		Block H - 6 Class 1			
I		BLOCK I - 6 Class 2			
J		BLOCK J - 3 class			
item		Item Location (Auto)			
 <u>WALL TILING</u>					
<u>200 x 200 x 4mm White glazed wall tiles fixed with adhesive to plaster (elsewhere) and flush pointed with tinted jointing compound:</u>					
1	On walls	m²	92		
	A 92				
2	Fair exposed cutting and fitting around pipe not exceeding 50mm diameter.	No	1		
	A 1				
3	Ditto but exceeding 50mm and not exceeding 100mm diameter.	No	6		
	A 6				
<u>FLOOR TILING</u>					
<u>300 x 300 x 8mm Colour glazed floor tiles (PC. Of R100.00m2 net supply only excluding VAT) fixed with adhesive to screeded (elsewhere) concrete floors and flush pointed with tinted waterproof jointing compound including approved expansion joints:</u>					
4	On floors and landings.	m²	107		
	D &E 107				
5	Skirting 100mm high of cut tiles.	m	90		
	D &E 90				
Carried To Section Summary				R	
THABONG PRIMARY SCHOOL					

				Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>							
<u>BUILDINGS</u>							
<u>BILL NO. 14</u>							
<u>PLUMBING AND DRAINAGE</u>							
<u>Key:</u>				<u>Location Description:</u>			
A				BLOCK A - Admin			
B				BLOCK B - Ex 4class			
C1				BLOCK C1 - Ex Admin			
D &E				BLOCK D&E -Ex ablutn			
F				BLOCK F - Ex 4class			
G				BLOCK G - Ex 4class			
H				Block H - 6 Class 1			
I				BLOCK I - 6 Class 2			
J				BLOCK J - 3 class			
item				Item Location (Auto)			
<u>RAINWATER DISPOSAL</u>							
<u>Ogee aluminium:</u>							
1	125mm Ogee eaves gutters.			m	618		
	A	65	B 31	C1	44		
	D &E	63	F 62	G	63		
	H	116	I 116	J	58		
2	Extra over Ogee eaves gutter for stopped end.			No	64		
	A	4	B 4	C1	4		
	D &E	32	F 4	G	4		
	H	4	I 4	J	4		
3	Extra over Ogee eaves gutter for outlet for 100 x 75mm pipe.			No	52		
	A	4	B 4	C1	4		
	D &E	4	F 6	G	4		
	H	10	I 10	J	6		
4	100 x 75mm Rainwater pipes.			m	167		
	A	13	B 13	C1	13		
	D &E	13	F 19	G	13		
	H	32	I 32	J	19		
5	Extra over 100 x 75mm rainwater pipe for bend.			No	104		
	A	8	B 8	C1	8		
	D &E	8	F 12	G	8		
	H	20	I 20	J	12		
6	Extra over 100 x 75mm rainwater pipe for shoe.			No	52		
	A	4	B 4	C1	4		
	D &E	4	F 6	G	4		
	H	10	I 10	J	6		
Carried to Collection							
THABONG PRIMARY SCHOOL							
						R	

		Unit	Quantity	Rate	Amount
	<u>SANITARY FITTINGS</u>				
	Prices are to include for sealing all round with approved silicone waterproofing sealant at junction/gaps with tiled walls, timber fittings, vanity tops, etc.				
	<u>'Lecico Sanitaryware' vitreous china wash hand basins and pedestals:</u>				
7	410 x 500mm 'Atlas' white vitreous china lavatory basin (product code ATLDUOBAS0500BE) with one taphole including integrated overflow and chainstay hole, fixed with stainless steel screws and washers to plugs in wall (tap and waste fitting elsewhere).	No	4		
	A 4				
8	Ditto but to paraplegic	No	1		
	A 1				
	<u>'Lecico Sanitaryware' vitreous china WC suites:</u>				
9	'Madison' white vitreous china close couple suite (product code MADBOXDFL0SCSBE) with 100mm outlet and matching 6 litre cistern including lid, fitments, flushpipe, etc., bedded in 4:1 cement mortar on concrete floors.	No	28		
	A 5 D & E 23				
10	Ditto but to paraplegic	No	1		
	A 1				
	<u>'Plumline' vitreous china urinals:</u>				
11	'Amaro' urinal (code 031129) size 300 x 245 x 400mm high or equal approved with top inlet spreader and waste outlet including wall mounting brackets and connected to water supply, sealed with silicone sealant where urinal meets wall	No	2		
	A 2				
	<u>'Franke' grade 304 (18/10) stainless steel domestic drop on sinks</u>				
12	'Franke' standard drop on sink and drainer size 1000 x 500mm with single end bowl, set on cupboard fitting (elsewhere), including cutting one taphole (tap and wastefitting elsewhere)	No	1		
	A 1				
	<u>WASTE UNIONS ETC</u>				
	<u>'Cobra Watertech':</u>				
13	32 mm CP basin waste union.	No	5		
	A 5				
14	40 mm CP waste union.	No	1		
	A 1				
	Carried to Collection			R	
	THABONG PRIMARY SCHOOL				

		Unit	Quantity	Rate	Amount
	<u>TRAPS ETC</u>				
	Priced are to include for jointing to uPVC pipe with and including the necessary adaptors unless otherwise described.				
	<u>Butyl rubber:</u>				
15	32 mm deep seal "P" or "S" trap. A 5	No	5		
	<u>'Cobra Watertech':</u>				
16	40mm CP bottle trap. A 2	No	2		
	<u>TAPS, VALVES, ETC</u>				
	Priced are to include for jointing to copper pipe with and including the necessary fittings unless otherwise described.				
	<u>Brass.</u>				
17	15 mm Fulway gate valve. item 33	No	33		
18	22 mm Fulway gate valve. item 16	No	16		
19	28 mm Fulway gate valve. item 12	No	12		
	<u>Plumline</u>				
20	15 mm CP Ballstop. item 5	No	5		
21	22 mm CP Ballstop. item 2	No	2		
22	15 mm CP Star pillartaps. A 4 D & E 20	No	24		
23	15 mm CP 'Moderna' pillartap with swivel outlet (Code: 038735). A 1	No	1		
	<u>SANITARY PLUMBING</u>				
	<u>uPVC pipes:</u>				
24	50mm Pipes. item 15	m	15		
25	110mm Pipes. item 10	m	10		
26	50mm Pipes under surface beds. item 12	m	12		
	Carried to Collection				
	THABONG PRIMARY SCHOOL			R	

DEVELOPMENT BANK OF SOUTH AFRICA

		Unit	Quantity	Rate	Amount
27	110mm Pipes under surface beds. item 12	m	12		
28	110mm Pipes laid in and including trenches not exceeding 1m deep. item 5	m	5		
29	50mm Pipes chased into brick walls.	m	0		
	<u>Extra over uPVC pipes for fittings:</u>				
30	110mm Reducer. item 6	No	6		
31	50mm Bend. item 10	No	10		
32	110mm Bend. item 2	No	2		
33	50mm Junction. item 2	No	2		
34	110mm Junction. item 1	No	1		
35	110mm Pan connector. item 1	No	1		
36	110mm Acess bent pan connector. item 1	No	1		
37	50mm Acess bend. item 2	No	2		
38	110mm Acess bend. item 2	No	2		
39	50mm Acess junction. item 2	No	2		
40	110mm Acess junction. item 1	No	1		
41	110mm Acess reducing junction. item 2	No	2		
42	110mm Acess double junction. item 2	No	2		
	<u>WATER SUPPLIES</u>				
	<u>Class 1 copper pipes:</u>				
43	15mm Pipes. item 5	m	5		
44	22mm Pipes. item 9	m	9		
	Carried to Collection			R	
	THABONG PRIMARY SCHOOL				

		Unit	Quantity	Rate	Amount
45	28mm Pipes. item 7	m	7		
46	15mm Pipes chased into brick walls. item 12	m	12		
47	22mm Pipes chased into brick walls. item 13	m	13		
	<u>Extra over copper pipe for capillary fitting:</u>				
48	15mm Fittings. item 22	No	22		
49	22mm Fittings. item 15	No	15		
50	28mm Fittings. item 11	No	11		
	<u>Extra over copper pipe for brass compression fitting:</u>				
51	15mm Fittings. item 12	No	12		
52	22mm Fittings. item 7	No	7		
53	28mm Fittings. item 4	No	4		
	<u>Copper overflow and service pipes:</u>				
54	15mm Bent service pipe average 450mm girth and joint to copper pipe and fittings. item 2	No	2		
55	22mm Bent overflow pipe average 450mm girth and joint to fittings. item 2	No	2		
	<u>FIRE APPLIANCES ETC.</u>				
	<u>'Chubb':</u>				
56	'Everyway' hose reel complete with 30m rubber hose, chromium plated stopcock, shut-off nozzle and wall bracket. A 1 H 1 I 1 J 1	No	4		
57	4,5kg DPC fire extinguisher complete with backboard and wall bracket plugged to wall. A 1 H 3 I 3	No	7		
58	Ditto but 9kg. A 2 H 3 I 3 J 3	No	11		
	Carried to Collection				
				R	
	THABONG PRIMARY SCHOOL				

DEVELOPMENT BANK OF SOUTH AFRICA

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		Amount
<u>BILL NO. 14</u>		
<u>PLUMBING AND DRAINAGE</u>		
<u>COLLECTION</u>		
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		Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>					
<u>BUILDINGS</u>					
<u>BILL NO. 15</u>					
<u>GLAZING</u>					
<u>Key:</u>		<u>Location Description:</u>			
A		BLOCK A - Admin			
B		BLOCK B - Ex 4class			
C1		BLOCK C1 - Ex Admin			
D &E		BLOCK D&E -Ex ablutn			
F		BLOCK F - Ex 4class			
G		BLOCK G - Ex 4class			
H		Block H - 6 Class 1			
I		BLOCK I - 6 Class 2			
J		BLOCK J - 3 class			
item		Item Location (Auto)			
<u>GLAZING TO STEEL WITH PUTTY</u>					
<u>4mm clear toughned class.</u>					
1	Panes exceeding 0,1m2 and not exceeding 0.5m2.		m²	7	
	H 3	I 3	J 1		
2	Panes exceeding 0,5m2 and not exceeding 2.5m2.		m²	167	
	A 17	F 2	H 59		
	I 59	J 30			
<u>TOPS, SHELVES, DOORS, MIRRORS, ETC.</u>					
<u>3mm Silvered float glass copper backed mirrors with polished edges fixed with double sided adhesive tape:</u>					
3	Frameless mirror 700 x 450 mm high.		No	5	
	A 5				
Carried To Section Summary				R	
THABONG PRIMARY SCHOOL					

				Unit	Quantity	Rate	Amount
SECTION NO. 2 BUILDINGS BILL NO. 16 PAINTWORK Key: A BLOCK A - Admin B BLOCK B - Ex 4class C1 BLOCK C1 - Ex Admin D & E BLOCK D&E -Ex ablutn F BLOCK F - Ex 4class G BLOCK G - Ex 4class H Block H - 6 Class 1 I BLOCK I - 6 Class 2 J BLOCK J - 3 class item Item Location (Auto)							
PAINTWORK ETC. TO NEW SURFACES ON FLOATED PLASTER Prepare surfaces and remove all loose material, apply one coat Alkali Resistant Plaster Primer and two coats superior quality acrylic emulsion paint:							
1	On interior walls.			m ²	2,531		
	A 636 H 794 I 794						
	J 307						
ON PLASTER BOARD Prepare surfaces and remove all loose material, apply one coat Alkali Resistant Plaster Primer and two coats superior quality acrylic emulsion paint:							
2	On internal ceilings and cornices.			m ²	2,514		
	A 662 B 218 C1 141						
	D & E 53 F 196 G 184						
	H 425 I 425 J 210						
3	On external ceilings and cornices.			m ²	231		
	B 106 F 62 G 63						
ON FIBRE-CEMENT, ETC. Prepare surfaces and remove all loose material, apply one coat Alkali Resistant Plaster Primer and two coats superior quality acrylic emulsion paint:							
4	On exterior fascias and barge boards.			m ²	143		
	A 33 B 42 H 17						
	I 17 J 34						
Carried to Collection							R
THABONG PRIMARY SCHOOL							

					Unit	Quantity	Rate	Amount
<u>ON METAL</u>								
<u>Prepare surfaces and remove all loose material, dust, grease, salts and contamination with one coat ater based primer, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint on: galvanised steel or aluminium:</u>								
5	On door frames.				m ²	257		
	A 77	H 72	I 72					
	J 36							
6	On window frames with burglar bars (bsm).				m ²	393		
	A 50	H 140	I 140					
	J 63							
7	On security gates				m ²	92		
	A 14	G 13	H 26					
	I 26	J 13						
<u>ON WOOD, WOOD BOARD</u>								
<u>Stop, fill, sand down and prepare wood surfaces and apply three coats superior quality clear gloss varnish</u>								
8	On interior / exterior doors.				m ²	103		
	A 28	G 15	H 24					
	I 24	J 12						
9	On interior / exterior skirtings, rails, etc not exceeding 300mm girth.				m	416		
	A 94	H 135	I 135					
	J 52							
<u>SUPPLEMENTARY PREAMBLES</u>								
<u>PREPARATORY WORK TO EXISTING WORK</u>								
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								
Previously painted metal surfaces								
Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal								
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								
Carried to Collection							R	
THABONG PRIMARY SCHOOL								

		Unit	Quantity	Rate	Amount
<u>ON PREVIOUSLY PAINTED SURFACES</u>					
<u>ON EXISTING INTERNAL FLOATED PLASTER SURFACES</u>					
<u>Two coats superior quality acrylic emulsion paint for interior and exterior use</u>					
10	On exterior wall B 213 F 228 G 61	m ²	502		
11	On interior wall B 241 C1 102 D & E 491 F 354 G 379	m ²	1,567		
<u>ON EXISTING METAL SURFACES</u>					
<u>One coat alkyd based universal undercoat and one coat superior quality universal enamel paint</u>					
12	Door frames B 21 F 21	m ²	42		
13	Security gates C1 3 F 20	m ²	23		
14	On window frames with burglar bars (bsm). G 8	m ²	8		
<u>ON EXISTING WOOD SURFACES</u>					
<u>One coat alkyd based universal undercoat and one coat superior quality universal enamel paint</u>					
15	Doors B 12	m ²	12		
					R
Carried to Collection					
THABONG PRIMARY SCHOOL					

		Amount
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Amount

SECTION NO. 2**BUILDINGS****SECTION SUMMARY**

Bill No.

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8	CEILINGS PARTITIONS AND ACCESS FLOORING	2-29
9	FLOOR COVERINGS	2-30
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11	METALWORK	2-39
12	PLASTERING	2-40
13	TILING	2-41
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THABONG PRIMARY SCHOOL

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SECTION NO. 3
EXTERNAL WORKS

THABONG PRIMARY SCHOOL

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u> <u>EXTERNAL WORKS</u> <u>BILL NO. 1</u> <u>EXTERNAL WORKS (PROVISIONAL)</u> <u>REMOVAL OF EXISTING WORK</u> <p>Note to tenderers: The removal, storage ,disposal, etc of asbestos sheeting, etc to be executed in strict accordance to the bye laws (OHS) regarding same by a specialist asbestos sub-contractor. Prices to include for this.</p> <p>All work to be demolished, etc is to be removed off site, unless otherwise stated, prices to include for this.</p> <u>Demolition of existing work</u>				
1				
Blocks A1 - Single storey building with pitched roof, approximately 52 859mm x 6 700mm on plan, comprising reinforced concrete surface bed, brick walls, and roof sheeting on timber trusses, including grubbing up all foundations, removal and disposal thereof complete				
	No	1		
2				
Blocks A2 - Single storey building with pitched roof, approximately 40 305mm x 6 700mm and 6 840mm x 6 470mm on plan, comprising reinforced concrete surface bed, brick walls, and roof sheeting on timber trusses, including grubbing up all foundations, removal and disposal thereof complete				
	No	1		
3				
Blocks A3 - Single storey building with pitched roof, approximately 47 363mm x 7 160mm on plan, comprising reinforced concrete surface bed, brick walls, and roof sheeting on timber trusses, including grubbing up all foundations, removal and disposal thereof complete				
	No	1		
<u>Breaking up and removing reinforced concrete, including cutting off and removing reinforcement including removing all layerworks in existing ramp</u>				
4				
Concrete V-drains 900mm wide				
	m	52		
5				
Take up and remove 60mm thick corobrik block paving including 200mm thick layer works, and set aside paving including later relaying in new position				
	m²	180		
Carried to Collection			R	
THABONG PRIMARY SCHOOL				

		Unit	Quantity	Rate	Amount
<u>ALTERATIONS</u>					
<u>JOINT SEALANTS</u>					
<u>Chip open the crack to form a "V" shape 20mm wide x 10mm deep and scratch out the debris that may block the crack in the sides of the hole. Grinding in the floor approximately 200mm to 300mm apart from the rebar to be placed into an epoxy repair mortar 'SIKA TOP-ARMATEC 100'. Fill the crack with structural epoxy repair mortar SIKA MONO TOP 615HB'</u>					
6	Concrete V-drains, walkways, etc.	m	52		
<u>TEMPORARY WORKS</u>					
7	1,5m High 'Bonnox' wire mesh temporary fencing with shade cloth.	m	290		
8	Single gate 900 x 1,5m high.	No	1		
9	Double gate 1,5 x 1,5m high.	No	1		
<u>GENERAL SITE CLEARANCE, ETC.</u>					
<u>Site clearance, etc.:</u>					
10	Allow for clearing of the site all grass, weeds, shrubs, debris, etc and cartwavy all vegetation and stockpile	m ²	280		
11	Strip average 100mm thick layer of topsoil and stockpile on site	m ²	100		
12	Spread and level imported topsoil oversite as directed	m ²	100		
<u>KEEPING EXCAVATIONS FREE OF WATER</u>					
<u>Keeping excavations free of water:</u>					
13	Keeping excavations free of all water other than subterranean water through out this bill .	Item			
<u>APRONS, PAVING, RAMPS, PATHS AND STEPS</u>					
<u>Earthworks:</u>					
14	Excavate in soft excavations in earth for thickenings under ramps, pavings, aprons, including trimming to splayed sides.	m ³	80		
15	Extra over excavations for excavating in soft rock.	m ³	8		
16	Extra over excavations for carting away surplus material off site.	m ³	56		
Carried to Collection				R	
THABONG PRIMARY SCHOOL					

DEVELOPMENT BANK OF SOUTH AFRICA[illegible]

[illegible]

		Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u> <u>EXTERNAL WORKS</u> <u>BILL NO. 2</u> <u>PLUMBING AND DRAINAGE (PROVISIONAL)</u> <u>STORM WATER CHANNELS.</u> <u>Smooth finished in-situ reinforced concrete</u> <u>25Mpa/13mm channels:</u>					
1	900 x 130mm Smooth finished open V shaped channel to detail, cast in alternative panels and to falls, including excavations, shaping and grading ground as required, formwork, mesh Ref 193.	m	86		
2	Extra for angles, intersections, ends, dressing into sides of catchpits, etc.	No	4		
3	12mm Thick bitumen impregnated softboard between vertical concrete surfaces of channels.	m	32		
4	Approved polysulphide sealing compound to joints of channels.	m	32		
<u>Monetary Allowance</u>					
5	Allow a monetary allowance fo R50 000.00 for proving and cleaning pipework	Item			50,000 00
6	Allow a monetary allowance of R30 000.00 for cleaning of all sewer and stormwater manholes	Item			30,000 00
<u>TESTING</u>					
7	Testing all plumbing systems.	Item			
Carried To Section Summary				R	
THABONG PRIMARY SCHOOL					

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SECTION NO. 4
PROVISIONAL SUMS

THABONG PRIMARY SCHOOL

		Amount	
<u>SECTION NO. 4</u>			
<u>PROVISIONAL SUMS</u>			
<u>The following Provisional Amounts are all Net amounts Exclusive of commission for the Contractor. These amounts are for the work to be executed complete by the Nominated/Selected Sub-Contractors:</u>			
<u>LANDSCAPING</u>			
1	Provide the amount of R 50,000.00 (Fifty Thousand Rands) for Landscaping, etc.	Item	30,000 00
2	Profit on above item.	Item	
3	Attendance on ditto.	Item	
<u>SIGNAGE</u>			
4	Provide the amount of R 30,000.00 (Thirty Thousand Rands) for Signage.	Item	15,000 00
5	Profit on above item.	Item	
6	Attendance on ditto.	Item	
<u>PLUMBING AND DRAINAGE</u>			
7	Provide the amount of R 400 000.00 (Four Hundred Thousand Rands) for Plumbing and Drainage.	Item	400,000 00
8	Profit on above item.	Item	
9	Attendance on ditto.	Item	
<u>TEMPORARY ACCOMMODATION & ABLUTIONS</u>			
10	Provide the amount of R 4 100 000.00 (Four Million and One Hundred Thousand Rands) for the purchase, transportation, ground preparation works and the erection of mobile classrooms and ablution facilities for the duration of construction. The units are 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 as per Architectural / Engineering specifications, to be performed by specialist where required	Item	4,100,000 00
11	Profit on above item.	Item	
12	Attendance on ditto.	Item	
<u>CARPENTRY & JOINERY</u>			
13	Provide the amount of R 500,000.00 (Five Hundred Thousand Rands) for Carpentry & Joinery to Classrooms.	Item	500,000 00
14	Profit on above item.	Item	
15	Attendance on ditto.	Item	
Carried To Section Summary		R	
THABONG PRIMARY SCHOOL			

		Amount	
<u>GEOTECH & SURVEY</u>			
16	Provide the amount of R 150,000.00 (One Hundred Thousand Rands) for Geotech & Survey	Item	150,000 00
17	Profit on above item.	Item	
18	Attendance on ditto.	Item	
<u>The following Electrical Works are to be undertaken by direct contractors, selected at the client's discretion</u>			
<u>ELECTRICAL INSTALLATION</u>			
19	Provide the amount of R 800 000.00 (Eight Hundred Thousand Rands) for Electrical Installation	Item	800,000 00
20	Profit on above item.	Item	
21	Attendance on ditto.	Item	
<u>BUDGETARY ALLOWANCES</u>			
22	Allow a budgetary amount of R 150 000.00 (One Hundred and Fifty Thousand Rands) for Community Liaison Officer (CLO)	Item	150,000 00
23	Allow a budgetary amount of R 6 500.00 / month for Project Steering Committee	Item	78,000 00
<u>BUILDER'S WORK IN CONNECTION WITH PROVISIONAL SUMS</u>			
24	Provide the amount of R 25 000.00 (Twenty Five Thousand Rands) for Builder's Work in connection with Provisional Sums.	Item	25,000 00
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THABONG PRIMARY SCHOOL

		Amount
<u>SECTION NO. 4</u>		
<u>PROVISIONAL SUMS</u>		
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THABONG PRIMARY SCHOOL

FINAL SUMMARY

THABONG PRIMARY SCHOOL

<u>FINAL SUMMARY</u>		<u>PAGE</u>	<u>AMOUNT</u>
<u>CONDITIONS OF CONTRACT</u>			
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	SUB TOTAL	R	
ADD: CONTINGENCIES		R	1,785,000.00
	SUB TOTAL	R	
VALUE ADDED TAX			
Value added tax @ 15%		R	
<u>TOTAL CARRIED TO FORM OF OFFER</u>		R	
FS-1			