

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHOBA PRIMARY SCHOOL

Item No.		Unit	Quantity	Rate	Amount
	<p>PRELIMINARIES</p> <p><u>SECTION NO. 1</u></p> <p><u>BILL NO. 1</u></p> <p><u>PRELIMINARIES</u></p> <p><u>BUILDING AGREEMENT AND PRELIMINARIES</u></p> <p><u>MEANING OF TERMS "TENDER / TENDERER"</u></p> <p>Any reference to the words "Tender" or "Tenderer" herein and/or in any other documentation shall be construed to have the same meaning as the words "Bid" or "Bidder"</p> <p><u>PRELIMINARIES</u></p> <p>The JBCC Preliminaries, May 2005 edition for use with the JBCC Principal Building Agreement Edition 4.1, March 2005 is taken to be incorporated herein. The tenderer is deemed to have referred to these documents for the full intent and meaning of each clause. These clauses are referred to by number and heading only.</p> <p>Where standard clauses or options are not applicable to the contract such modifications or corrections as are necessary are given under each relevant clause. Where an item is not relevant to this specific contract such item is marked. "N/A" signifying "Not Applicable".</p> <p><u>PRICING OF PRELIMINARIES</u></p> <p>Should Option A, as set out in clause B10.3.1 hereinafter be used for the adjustment of preliminaries then each item priced is to be allocated to one or more of the three categories Fixed, Value Related or Time Related and the respective amounts entered in the spaces provided under each item.</p> <p>Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities.</p> <p><u>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</u></p> <p><u>DEFINITIONS</u></p> <p><u>A1 DEFINITIONS AND INTERPRETATION</u></p> <p><u>Clause 1.0 Clause</u></p> <p><u>1.1 Definition of "Commencement Date" is added:</u></p> <p>"COMMENCEMENT DATE" means the date that the agreement, made in terms of the Form of Offer and Acceptance, comes into effect.</p> <p>Clause 1.1 Definition of "Construction Guarantee" is amended by replacing it with the following:</p> <p>"CONSTRUCTION GUARANTEE" means a guarantee at call obtained by the contractor from an institution approved by the employer in terms of the employer's construction guarantee form as selected in the schedule.</p> <p>"CONSTRUCTION PERIOD" means the period commencing on the commencement date and ending on the date of practical completion.</p>				
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	<p><u>Clause 1.1 Definition of "Corrupt Practice" is added:</u></p> <p>'CORRUPT PRACTICE" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.</p> <p><u>Clause 1.1 Definition of "Fraudulent Practice" is added:</u></p> <p>'FRAUDULENT PRACTICE" means the misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition.</p> <p><u>Clause 1.1 Definition of "Interest" is amended by replacing it with the following:</u></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 Finance Management Act, 1999 (Act No. 1 of 1999).</p> <p>Clause 1.1 Definition of "Principal Agent" is amended by replacing it with the following</p> <p>'PRINCIPAL AGENT" means the person or entity appointed by the employer and named in the schedule. In the event of a principal agent not being appointed, then all the duties and obligations of a principal agent as detailed in the agreement shall be fulfilled by a representative of the employer as named in the schedule.</p> <p><u>Clause 1.1 Definition of "Security" is amended by replacing it with the following:</u></p> <p>'SECURITY" means the form of security provided by the employer of contractor, as stated in the schedule, from which the contractor or employer may recover expenses or loss.</p> <p>Clause 1.6 is amended by replacing the words "prepaid registered post, telefax or e-mail" with "prepaid registered post or telefax" 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><u>Clause 1.6.4 is amended by replacing it with the following:</u></p>				
1	<p>No clause</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>OBJECTIVE AND PREPARATION</u></p> <p><u>A2 OFFER, ACCEPTANCE AND PERFORMANCE</u></p>	Item			
2	<p>Clause 2.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item			
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3	<u>A3 DOCUMENTS</u>					
	Clause 3.0					
	<u>Clause 3.7 is amended by the addition of the following:</u>					
	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					
	Fixed:_____ Value related:_____ Time related:_____	Item				
4	<u>A4 DESIGN RESPONSIBILITY</u>					
	Clause 4.0					
	Fixed:_____ Value related:_____ Time related:_____	Item				
	<u>A5 EMPLOYERS AGENTS</u>					
	5	Clause 5.0 (See notes to Tenders)				
	Clause 5.1.2 is amended to include clauses 32.6.3, 34.3 and 34,4					
	Fixed:_____ Value related:_____ Time related:_____	Item				
	<u>A6 SITE REPRESENTATIVE</u>					
	6	Clause 6.0				
	Fixed:_____ Value related:_____ Time related:_____	Item				
	<u>A7 COMPLIANCE WITH REGULATIONS</u>					
	7	Clause 7.0				
	Note: The provisions herein include inter alia, compliance 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), and in particular with Regulation 5(1) requiring the compilation of a health and safety plan, as well as					
	Regulation 6(1) requiring the appointment of a construction supervisor					
	See also clause C10 of Section C - Specific Preliminaries					
	Fixed:_____ Value related:_____ Time related:_____	Item				
	<u>A8 WORKS RISK</u>					
	8	Clause 8.0				
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(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				
(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				
(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				
(f)	<p>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>10.7.2 Injury to persons or loss of or damage to property</p> <p>The contractor shall be liable for and hereby indemnifies and holds harmless the employer against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above</p>				
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	<p>The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract</p> <p>10.7.3 It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the contractors obligations in terms of the contract, the contractor shall, within twenty-one (21) calendar days of the commencement date but before commencement of the works, submit to the employer proof of such insurance policy, if requested to do so</p> <p>10.7.4 The employer shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the contractors default of his obligations as set out in 10.7.1; 10.7.2 and 10.7.3. Such losses or damages may be recovered from the contractor or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the employer and the contractor and for this purpose all these contracts shall be considered one indivisible whole</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>A11 LIABILITY INSURANCES</u></p>				
11	<p>Clause 11.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>A12 EFFECTING INSURANCES</u></p>	Item			
12	<p>Clause 12.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item			
13	<p>A13 No clause</p> <p><u>A14 SECURITY</u></p>				
14	<p>Clause 14.0</p> <p>Clauses 14.1 - 14.8 are amended by replacing them with the following:</p> <p>14.1 In respect of contracts with a contract sum up to R1 million, the security to be submitted by the contractor to the employer will be as a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT)</p> <p>14.1.1 The payment reduction of the value certified in a payment certificate shall be mutatis mutandi in terms of 31.8(A)</p>				
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<p>14.1.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employers entitlement shall take precedence over his obligations to refund the payment reduction security or portions thereof to the contractor</p> <p>14.2 In respect of contracts with a contract sum above R1 million, the contractor shall have the right to select the security to be provided in terms of 14.3, 14.4, 14.5, 14.6, or 14.7 as stated in the schedule. Such security shall be provided to the employer within twenty-one (21) calendar days from commencement date. Should the contractor fail to select the security to be provided or should the contractor fail to provide the employer with the selected security within twenty-one (21) calendar days from commencement date, the security in terms of 14.7 shall be deemed to have been selected.</p> <p><u>14.3 Where security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected:</u></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 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 Not applicable</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>				
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14.5.3	The employer shall return the fixed construction guarantee to the contractor within fourteen (14) calendar days of it expiring				
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				
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				
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:				
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				
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				
14.6.3	The payment reduction of the value certified in apayment certificate shall be mutatis mutandi in terms of 31.8(A)				
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				
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:				
14.7.1	The payment reduction of the value certified in a payment certificate shall be mutatis mutandi in terms of 31.8(B)				
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				
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				
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	<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 notification to the contractor, is entitled to change the 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 Fixed:_____ Value related:_____ Time related:_____</p> <p><u>EXECUTION</u></p> <p><u>A15 PREPARATION FOR AND EXECUTION OF THE WORKS</u></p> <p>Clause 15.0</p> <p><u>Clause 15.1.1 is amended by replacing it with:</u></p> <p>No Clause</p> <p><u>Clause 15.1 is amended by the addition of the following clause:</u></p> <p>15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within twenty-one (21) calendar days of commencement date</p> <p><u>Clause 15.2.1 is amended by replacing it with the following clause:</u></p> <p>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</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> <p><u>A16 ACCESS TO THE WORKS</u></p> <p>Clause 16.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> <p><u>A17 CONTRACT INSTRUCTIONS</u></p> <p>Clause 17.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> <p><u>A18 SETTING OUT OF THE WORKS</u></p> <p>Clause 18.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item			
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<u>A26 FINAL COMPLETION</u>				
26	Item			
Clause 26.0 Fixed: _____ Value related: _____ Time related: _____				
<u>A27 LATENT DEFECTS LIABILITY PERIOD</u>				
27	Item			
Clause 27.0 Fixed: _____ Value related: _____ Time related: _____				
<u>A28 SECTIONAL COMPLETION</u>				
28	Item			
Clause 28.0 Fixed: _____ Value related: _____ Time related: _____				
<u>A29 REVISION OF DATE FOR PRACTICAL COMPLETION</u>				
29	Item			
Clause 29.0 Fixed: _____ Value related: _____ Time related: _____				
<u>A30 PENALTY FOR NON-COMPLETION</u>				
30	Item			
Clause 30.0 Fixed: _____ Value related: _____ Time related: _____				
<u>PAYMENT</u>				
<u>A31 INTERIM PAYMENT TO THE CONTRACTOR</u>				
Clause 31.0 Clause 31.8 is amended by replacing it with the following two alternative clauses: Alternative A 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: 31.8(A).1 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the date of practical completion 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 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				
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	<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(B) Where security is a payment reduction in terms of 14.7 the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:</p> <p>31.8(B).1 Ninety per cent (90%) of such value in interim payment certificates issued up to the date of practical completion</p> <p>31.8(B).2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion</p> <p>31.8(B).3 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 34.6</p> <p>31.8(B).4 One hundred per cent (100%) of such value in the final payment certificate in terms of 34.6 except where the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate</p> <p>Clause 31.12 is amended by deleting the following:</p> <p>Payment shall be subject to the employer giving the contractor a tax invoice for the amount due</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> <p><u>A32 ADJUSTMENT TO THE CONTRACT VALUE</u></p>				
32	<p>Clause 32.0</p> <p>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:</p> <p>"due to no fault of the contractor"</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> <p><u>A33 RECOVERY OF EXPENSE AND LOSS</u></p>	Item			
33	<p>Clause 33.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item			
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	<u>A40 DISPUTE SETTLEMENT</u>				
40	<p>Clause 40.0</p> <p>Clause 40.2.2 is amended by replacing one (1) year with three (3) years</p> <p>Clause 40.6 is amended by removing the reference to:</p> <p>No clause</p> <p><u>Clause 40.7.1 is amended by replacing (10) with (15) and by the addition of the following:</u></p> <p>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</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>SUBSTITUTE PROVISIONS</u></p> <p><u>A41 STATE CLAUSES</u></p>	Item			
41	<p>Clause 41.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>CONTRACT VARIABLES</u></p> <p><u>THE SCHEDULE (F Contract data)</u></p> <p><u>A42 PRE-TENDER INFORMATION</u></p>	Item			
42	<p>Clause 42.0</p> <p>Tenderers are referred to the document C1.2 refer to Notes to Tenderers (EC) for variables pertaining to this contract</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>SECTION B: JBCC PRELIMINARIES</u></p> <p><u>DEFINITIONS AND INTERPRETATION</u></p>	Item			
43	<p>Definitions and interpretation</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>DOCUMENTS</u></p>	Item			
44	<p>Checking of documents</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item			
45	<p>Provisional bills of quantities</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item			
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46	Availability of construction documentation Fixed: _____ Value related: _____ Time related: _____	Item			
47	Interests of agents Fixed: _____ Value related: _____ Time related: _____	Item			
48	Priced documents Fixed: _____ Value related: _____ Time related: _____	Item			
49	Tender submission Clause 2.6 is amended by replacing JBCC Form of Tender with Form of Offer and Acceptance (see Returnable Schedules) Fixed: _____ Value related: _____ Time related: _____	Item			
	<u>THE SITE</u>				
50	Defined works area Fixed: _____ Value related: _____ Time related: _____	Item			
	Geotechnical investigation Fixed: _____ Value related: _____ Time related: _____	Item			
51	Inspection of the site Tenderers shall complete the Site Inspection Certificate (as per Returnable Schedules) included in the tender documents and return the same with the tender submission. Fixed: _____ Value related: _____ Time related: _____	Item			
52	Existing premises occupied Fixed: _____ Value related: _____ Time related: _____	Item			
53	Previous work dimensional accuracy Fixed: _____ Value related: _____ Time related: _____	Item			
54	Previous work defects Fixed: _____ Value related: _____ Time related: _____	Item			
55	Services known Fixed: _____ Value related: _____ Time related: _____	Item			
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68	Compliance with manufacturer's instructions Fixed: _____ Value related: _____ Time related: _____ <u>TEMPORARY WORKS AND PLANT</u>	Item			
69	Deposits and fees Fixed: _____ Value related: _____ Time related: _____	Item			
70	Enclosure of the works Fixed: _____ Value related: _____ Time related: _____	Item			
71	Advertising Fixed: _____ Value related: _____ Time related: _____	Item			
72	Plant, equipment, sheds and offices Fixed: _____ Value related: _____ Time related: _____	Item			
73	Main notice board Fixed: _____ Value related: _____ Time related: _____	Item			
74	Subcontractors notice board Fixed: _____ Value related: _____ Time related: _____ <u>TEMPORARY SERVICES</u>	Item			
75	Location Fixed: _____ Value related: _____ Time related: _____	Item			
76	Water Fixed: _____ Value related: _____ Time related: _____	Item			
77	Electricity Fixed: _____ Value related: _____ Time related: _____	Item			
78	Telecommunication facilities Fixed: _____ Value related: _____ Time related: _____	Item			
79	Ablution facilities Fixed: _____ Value related: _____ Time related: _____	Item			
					R

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Item No.		Unit	Quantity	Rate	Amount
	PRIME COST AMOUNTS				
80	Responsibility for prime cost amounts Fixed: _____ Value related: _____ Time related: _____				
	<u>ATTENDANCE ON N/S SUBCONTRACTORS</u>				
81	General attendance The schedule rates providing for attendance on nominated subcontractors and other contractors, will be adjusted only if the scope of the work has changed Fixed: _____ Value related: _____ Time related: _____	Item			
82	Special attendance Fixed: _____ Value related: _____ Time related: _____	Item			
83	Commissioning fuel, water and electricity Fixed: _____ Value related: _____ Time related: _____	Item			
	<u>FINANCIAL ASPECTS</u>				
84	Statutory taxes, duties and levies Fixed: _____ Value related: _____ Time related: _____	Item			
85	Payment for preliminaries Fixed: _____ Value related: _____ Time related: _____	Item			
86	Adjustment of preliminaries Fixed: _____ Value related: _____ Time related: _____	Item			
87	Payment certificate cash flow Fixed: _____ Value related: _____ Time related: _____	Item			
	<u>GENERAL</u>				
88	Protection of the works Fixed: _____ Value related: _____ Time related: _____	Item			
89	Protection / isolation of existing / sectionally occupied works Fixed: _____ Value related: _____ Time related: _____	Item			
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Item No.		Unit	Quantity	Rate	Amount
90	Security of the works Fixed:_____ Value related:_____ Time related:_____ 	Item			
91	Notice before covering work Fixed:_____ Value related:_____ Time related:_____ 	Item			
92	Disturbance Fixed:_____ Value related:_____ Time related:_____ 	Item			
93	Environmental disturbance Fixed:_____ Value related:_____ Time related:_____ 	Item			
94	Works cleaning and clearing Fixed:_____ Value related:_____ Time related:_____ 	Item			
95	Vermin Fixed:_____ Value related:_____ Time related:_____ 	Item			
96	Overhand work Fixed:_____ Value related:_____ Time related:_____ 	Item			
97	Instruction manuals and guarantees Fixed:_____ Value related:_____ Time related:_____ 	Item			
98	As built information Fixed:_____ Value related:_____ Time related:_____ 	Item			
99	Tenant installations Fixed:_____ Value related:_____ Time related:_____ 	Item			
	SCHEDULE OF VARIABLES				
100	Pre-tender information Fixed:_____ Value related:_____ Time related:_____ This schedule contains all variables referred to in this document and is divided into pretender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of these Preliminaries.	Item			
				R	

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Item No.		Unit	Quantity	Rate	Amount
12.1.4	Defined works area				
[3.1]	Details: Existing school; construction of toilet blocks.				
12.1.5	Geotechnical investigation				
[3.2]	Details: Investigations have been conducted and reports are available to be viewed at the the Principal Agent's offices.				
12.1.6	<u>Existing premises occupied</u>				
12.1.7	Previous work - dimensional accuracy				
[3.5]	Details:				
12.1.8	Previous work - defects				
[3.6]	Details: to be checked on site by the contractor prior to building operations				
12.19.	Services - known				
	Details: All known services will be pointed out at the handover of site. However Should the contracor encounter any existing services such as underground cables, pipes or sewer during the execution of the works he shall notify the principal agent immediately and suspend work in the immediate vicinity until instruction to proceed has been given by the principal agent.				
[3.7]					
12.1.10	Protection of trees				
	Specific requirements: All trees are to be protected and may only be removed, trimmed or otherwise interfered with, with the specific written approval of the principal agent.				
[3.9]					
	reports are available to be viewed at the the Principal Agent's offices.				
12.1.6	Existing premises occupied				
	There are existing Structures on site including somethat will be renovated in this contract. These may also be occupied during works hence due arrangements shall be made to minimise disruption of the learning process.				
[3.4]					
12.1.7	Previous work - dimensional accuracy				
[3.5]	Details:				
12.1.8	Previous work - defects				
[3.6]	Details: to be checked on site by the contractor prior to building operations				
12.19.	Services - known				
	Details: All known services will be pointed out at the handover of site. However Should the contracor encounter any existing services such as underground cables, pipes or sewer during the execution of the works he shall notify the principal agent immediately and suspend work in the immediate vicinity until instruction to proceed has been given by the principal agent.				
[3.7]					
12.1.10	Protection of trees				
	Specific requirements: All trees are to be protected and may only be removed, trimmed or otherwise interfered with, with the specific written approval of the principal agent.				
[3.9]					
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Item No.	Unit	Quantity	Rate	Amount
12.1.11	Inspection of adjoining properties			
[3.11]	Specific requirements: The contractor must inspect adjoining properties and immediately bring to the attention of the P/A of any consequences that may arise from the building works.			
12.1.12	Enclosure of the works			
[6.2]	Specific requirements: The contractor shall enclose the works as required by the Occupational Health and Safety Act.			
12.1.13	Offices			
[6.4.3]	Specific requirements: The contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the principal agent, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chair, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times.			
12.1.14	Main notice board			
[6.5]	Specific requirements: The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3m as type Drawing GEN 063, constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted ivory white and the bead and 12mm wide dividing lines 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.			
12.1.15	Subcontractors' notice board			
[6.6]	Specific requirements: NO			
12.1.16	Water			
[7.2]	Option A (by contractor) YES Option B (by employer - free of charge) NO Option C (by employer - metered) NO			
R				

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Item No.		Unit	Quantity	Rate	Amount
12.1.17	Electricity				
[7.3]	Option A (by contractor)				
	YES				
	Option B (by employer - free of charge)				
	NO				
	Option C (by employer - metered)				
	NO				
12.1.18	Telecommunications				
[7.4]	Telephone				
	YES				
	Faccsimile				
	YES				
	E-mail				
	YES				
12.1.19	Ablution facilities				
[7.5}	Option A (by contractor)				
	YES				
	Option B (by employer)				
	NO				
12.1.20	Protection of existing/sectionally occupied works				
[11.2]	Protection is required				
	YES				
12.1.21	Special attendance				
[9.2]	Subcontractor (1) details:				
	Subcontractor (2) details:				
	Subcontractor (3) details:				
	Subcontractor (4) details:				
12.1.22	Protection of works				
[11.1]	Specific requirements: The contractor shall protect the work for the duration of the contract.				
12.1.23	Disturbance				
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Item No.		Unit	Quantity	Rate	Amount
[11.5]	Specific requirements: The contractor shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens, all to the satisfaction of the principal agent				
12.1.24	Environmental disturbance				
[11.6]	Specific requirements: None				
12,2	POST-TENDER INFORMATION				
12.2.1	Payment of preliminaries				
[10.2]	Option A (prorated) NO Option B (calculates) YES				
12.2.2	Adjustment of preliminaries				
[10.3]	Option A (three categories) YES Option B (detailed breakdown) YES				
12.2.3	Additional agreed preliminaries items Details:N/A <u>SECTION C: SPECIFIC PRELIMINARIES</u> <u>Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item</u>				
C1	<u>CONTRACT DRAWINGS</u> The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed Should any part of the drawings not be clearly intelligible to the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent Fixed: _____ Value related:_____ Time related: _____	Item			
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Item No.		Unit	Quantity	Rate	Amount
C2	<p><u>GENERAL PREAMBLES</u></p> <p>The document Specification of Materials and Methods to be used (PW371) is obtainable on request from the head office and all regional offices of the Department, and shall be read in conjunction with the bills of quantities and be referred to for the full descriptions of work to be done and materials to be used</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item			
C3	<p><u>TRADE NAMES</u></p> <p>Wherever a trade name for any product has been described in the bills of quantities,</p> <p>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</p> <p>If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item			
C4	<p><u>IMPORTED MATERIALS AND EQUIPMENT</u></p> <p>Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment to be completed by tenderer)</p> <p>Notwithstanding any provisions elsewhere regarding the</p> <p>adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable)</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>				
C5	<p><u>VIEWING THE SITE IN SECURITY AREAS</u></p> <p>The site is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer to obtain permission to enter the site for tendering purposes</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	N/A			
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Item No.		Unit	Quantity	Rate	Amount
C6	<p><u>COMMENCEMENT OF WORKS IN SECURITY AREAS</u></p> <p>As the works falls within a security area the contractor must give the unit commander or other responsible officer notice before commencement of the works. Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account.</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	N/A			
C7	<p><u>ENTRANCE PERMITS TO SECURITY AREAS</u></p> <p>As the works falls within a security area the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the</p> <p>Defence Force, Police or chief security officer.</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	N/A			
C8	<p><u>SECURITY CHECK OF PERSONNEL</u></p> <p>The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified.</p> <p>In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works.</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	N/A			
C9	<p><u>PROHIBITION ON TAKING OF PHOTOGRAPHS</u></p> <p>In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister.</p> <p>The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959.</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item			
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Item No.		Unit	Quantity	Rate	Amount
C10	<p>OCCUPATIONAL HEALTH AND SAFETY ACT</p> <p>The contractor shall comply with all the requirements set out in the Construction Regulations, 2008 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993).</p> <p>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.</p> <p>The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.</p> <p>Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item			
C11	<p><u>HIV/AIDS AWARENESS</u></p> <p>It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the Bills of Quantities.</p> <p>Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained</p> <p>The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of Clause A 31 of Section 1:</p> <p>Preliminaries (Section A) or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment</p>				
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Item No.		Unit	Quantity	Rate	Amount
C11.1	<u>AWARENESS CHAMPION</u> Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification Fixed: _____ Value related: _____ Time related: _____	Item			
C11.2	<u>AWARENESS WORKSHOPS</u> Selection and appointment of a competent Service Provider approved by the principal agent, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification Fixed: _____ Value related: _____ Time related: _____	Item			
C11.3	<u>POSTERS, BOOKLETS, VIDEOS, ETC.</u> Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period, all in accordance with the HIV/AIDS Specification Fixed: _____ Value related: _____ Time related: _____	Item			
C11.4	<u>ACCESS TO CONDOMS</u> Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period, all in accordance with the HIV/AIDS Specification Fixed: _____ Value related: _____ Time related: _____	Item			
C11.5	<u>MONITORING</u> Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period and close out, all in accordance with the HIV/AIDS Specification Fixed: _____ Value related: _____ Time related: _____	Item			
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Item No.	Unit	Quantity	Rate	Amount
C12	<p><u>SOCIAL AND ECONOMIC DELIVERABLES IN CONSTRUCTION WORKS CONTRACTS</u></p> <p>The contractor shall thoroughly study and comply with the requirements and specification data set out in Part C3.6:</p> <p>Specification for Social and Economic Deliverables in Construction.</p> <p>Provision for the pricing of Social and Economic Deliverables is made under items C12.1 to C12.4 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, and no additional items or extras to the contract in this regard shall be entertained.</p> <p>Fixed: _____ Value related: _____ Time related: _____ Item</p> <p>C12.1 UTILIZE LOCAL RESOURCES</p> <p>DELIVERABLE A1: Utilise local resources as described in the Specification Data.</p> <p>Fixed: _____ Value related: _____ Time related: _____ Item</p> <p>C12.2 Provide Experiential Work Opportunities Towards a Technical Qualification For Designated Persons Item</p> <p>DELIVERABLE A2: Provide experiential work opportunities towards a technical qualification for designated persons as described in the specification Data.</p> <p>Fixed: _____ Value related: _____ Time related: _____ Item</p> <p>C12.3 Provide Experiential Work Opportunities Towards Trade Competencies For Designated Persons</p> <p>DELIVERABLE E3: Provide experiential work opportunities and training towards Trade competencies for designated persons as described in the specification Data.</p> <p>Fixed: _____ Value related: _____ Time related: _____ Item</p> <p>C12.4 Provide and Manage Training Providers to Provide Life Skills Training to Employees.</p> <p>DELIVERABLE E4: Procure and Manage Training provider to provide specific training for the minimum number of employees as per part C3.6 in life skills training. As described in the Specification Data.</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>			
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	CLAUSE NO C11.1 - Clause C11.1 has been amended to include the following allowances:				
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BUILDING WORK
SECTION NO. 2

BILL NO. 1

MASONRY

PREAMBLES

The Tenderer is referred to the relevant Clauses in the separate Standard Preambles of Trades hereunder attached.

BRICKWORK IN SUPERSTRUCTURE

Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar:

1	Half brick walls.	m2	320	-
2	Ditto, but in beamfilling.	m2	128	-
3	One brick walls.	m2	448	-
4	One brick walls of two half brick skins in gable walls.	m2	144	-
5	Piers.	m3	1	-

BRICKWORK SUNDRIES

Brickwork reinforcement:

6	75mm Wide reinforcement built in horizontally.	m	245	-
7	150mm Wide reinforcement built in horizontally.	m	483	-

Prestressed fabricated precast lintels including necessary temporary supports:

8	Pair of 110 x 70mm Lintels in lengths not exceeding 3m.	m	72	-
9	Pair of 110 x 70mm Lintels in lengths exceeding 3m and not exceeding 4.5m.	m		-

Turning pieces to lintels, etc:

10	220mm Wide turning piece to lintels etc.	m	48	-
----	--	---	----	---

Galvanised Hoop Iron cramps, ties, etc:

11	30 x 1.6mm Roof ties 1.5 long with one end fixed to timber and the other end built into brickwork (Provisional).	No	212	-
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Air bricks etc:

12	229 x 152mm Clay vermin proof air brick. (Provisional).	No	28	-
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Bill No. 1
Masonry

SECTION NO. 3 BILL NO. 1 SUMMARY

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Masonry

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BUILDING WORK		Unit	Quantity	Rate	Amount
Item No.					
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 2</u>				
	<u>ROOF COVERINGS</u>				
	<u>PREAMBLES</u>				
	The Tenderer is referred to the relevant Clauses in the separate Standard Preambles of Trades hereunder attached.				
	<u>CORRUGATED METAL SHEETING AND ACCESSORIES</u>				
	<u>0.53mm GRS Kliplok 700"Safintra" (Rain Cloud) steel sheeting and accessories fixed to timber purlins (elsewhere):</u>				
1	Roof covering with pitch not exceeding 25 degrees.	m2	944		-
	<u>0.53mm "Safintra" Kliplok 700 (Rain Cloud) flashings:</u>				
2	Ridge capping to suit roof profile.	m	114		-
3	Hip capping to suit roof profile.	m	70		-
	<u>RAINWATER DISPOSAL</u>				
	<u>Seamless aluminium gutters.</u>				
4	100x 75mm Eaves gutters.	m	227		-
5	Extra over gutter for stopped end.	No	18		-
6	Extra over gutter for angle.	No	19		-
7	Extra over 100 x 75mm eaves gutter for outlet for 75mm diameter pipe.	No	18		-
8	75mm Diameter rainwater pipes.	m	99		-
9	Extra over rainwater pipe for bend.	No	18		-
10	Extra over rainwater pipe for eaves offset 500mm projection.	No	18		-
	<u>ROOF INSULATION</u>				
	<u>Sisalation 420' or similar approved heavy industrial grade aluminium foil based insulation.:</u>				
11	Insulation laid taut over battens (at approximately 380mm centres) and fixed concurrent with roof covering including galvanised steel straining wires, laps, etc.	m2	944		-
	<u>Asbestos Roof Removal</u>				
12	Asbestos Roof removal and roof trusses, ceiling with pitch not exceeding 25 degrees and cart away rubble to the approved spoil area	m2	944		-
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Section No. 2 Building Work
Bill No. 2
Roof Coverings

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Item No.	BUILDING WORK	Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 3</u>				
	<u>CARPENTRY AND JOINERY</u>				
	<u>PREAMBLES</u>				
	The Tenderer is referred to the relevant Clauses in the separate Standard Preambles of Trades hereunder attached.				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	Prefabricated trusses shall be fabricated in a factory by a truss fabricator who has been awarded a Certificate of Competence by the Institute of Timber Construction and is approved by the Principal Agent.				
	All trusses shall be designed by a registered Professional Engineer in accordance with SABS Code of Practice for Design of Timber Structures.				
	ensure that the manufacture and erection details have been complied				
	<u>PREFABRICATED ROOF TRUSSES, ETC.</u>				
	<u>Sawn softwood:</u>				
	<u>Prefabricated timber roof construction complete including purlins, runners, bracing hips, valleys, cleats, purlins, etc., supplied and fixed complete:</u>				
1	Trusses for double pitched roof rectangular shaped building, size 944 m2 on plan	m2	944		-
2	114 x 38mm Wall plates.	m	306		-
	<u>EAVES, VERGES, ETC.</u>				
	<u>Medium density plain fibre-cement fascial and barge boards:</u>				
3	12 x 225mm Fascia and barge boards, including galvanised steel H-profile joiners, etc.	m	227		-
4	200 x 80mm moulded socketless barge board, including galvanised H-profile joiners, etc.	m	83		-
	Carried to Bill Summary			R	-

Section No. 2 Building Work
Bill No. 3
Capentry and Joinery

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHOBA PRIMARY SCHOOL

Item No.		Unit	Quantity	Rate	Amount
	<u>FRAMED DOORS, ETC.</u>				
	<u>Wrought meranti doors hung to steel frames:</u>				
5	40mm Framed batten door 813 x 2032mm high of top rail and stiles, middle ledge and braces and bottom rail filled in with V-jointed one side boarding. D1	No	10		-
	<u>SOLID LAMINATED FLUSH DOORS</u>				
	<u>40mm solid laminated flush doors with hardwood veneer and two concealed edges hung to steel frames:</u>				
6	40mm Door 813 x 2032mm high.	No	2		-
Carried to Bill Summary				R	-

Section No. 2 Building Work
Bill No. 3
Carpentry and Joinery

SECTION NO. 2 BILL NO. 3 SUMMARY

Page 38		R	-
Page 39		R	-
Carried to Section Summary		R	-
Section No. 2 Building Work			
Bill No. 1			
Masonry			

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHOBA PRIMARY SCHOOL

BUILDING WORK		Unit	Quantity	Rate	Amount
Item No.					
	<u>SECTION NO. 2</u>				
	<u>BILL NO.4</u>				
	<u>CEILINGS PARTITIONS AND ACCESS FLOORING</u>				
	<u>PREAMBLES</u>				
	The Tenderer is referred to the relevant Clauses in the separate Standard Preambles of Trades hereunder attached.				
	<u>NAILED UP AND SCREW UP CEILINGS</u>				
	<u>6.4mm Gypsum plasterboards with H-profile galvanised steel jointing strips:</u>				
1	centres with cross brandering at 450mm centres and at joints, ends of	m2	944		-
	Extra over ceiling for 600 x 600mm hinged trap door of wrought softwood rebated framing with one sawn softwood cross brander covered with ceiling board and fitted flush in opening, including necessary trimmers all around.	No	10		-
3	75mm Coved cornices, plugged	m	952		-
	<u>INSULATION</u>				
	<u>Non-combustible lightweight fibreglass insulation blanket:</u>				
4	100mm Insulation closely fitted between tie beams and laid loose on top of brandering.	m2	944		-
Carried to Section Summary				R	-

Section No. 2 Building Work
Bill No. 4
Ceilings Partitions and Access Flooring

BUILDING WORK

Section No.2 Building Work
Bill No. 5
Ironmongery

SECTION NO. 2 BILL NO. 5 SUMMARY

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Carried to Section Summary

R

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DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHOBA PRIMARY SCHOOL

BUILDING WORK		Unit	Quantity	Rate	Amount
Item No.					
	<u>SECTION NO. 2</u>				
	<u>BILL NO.6</u>				
	<u>METALWORK</u>				
	<u>PREAMBLES</u>				
	The Tenderer is referred to the relevant Clauses in the separate Standard Preambles of Trades hereunder attached.				
	<u>STEEL WINDOWS, DOORS, ETC.</u>				
	<u>Standard residential windows:</u>				
1	Window type 14BH, 889 x 457mm high with one opening light.	No	66		-
	<u>PRESSED STEEL DOOR FRAMES</u>				
	<u>1.2mm Double rebated frames suitable for one brick walls:</u>				
2	Frame for door 813 x 2060mm high.	No	12		-
	<u>SECURITY GATES</u>				
	<u>Steel security gates:</u>				
3	Size 3877mm x 3250mm high, as per door schedule. (G01)	No	4		-
Carried to Section Summary				R	-

Section No. 2 Building Work
Bill No.6
Metalwork

BUILDING WORK

Section No. 2 Building Work
Bill No. 7
Plasterwork

BUILDING WORK

Glazing

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHOBA PRIMARY SCHOOL

BUILDING WORK					
Item No.		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO.9</u>				
	<u>PAINTWORK</u>				
	<u>PREAMBLES</u>				
	The Tenderer is referred to the relevant Clauses in the separate Standard Preambles of Trades hereunder attached.				
	<u>ON CONCRETE (PROVISIONAL)</u>				
	<u>Prepare substrate and apply "Prostruct 639" primer or similar approved and two coats "Prostruct 623" high build epoxy enamel or similar approved (colour to architects approval) all in accordance with the manufacturer's instructions:</u>				
1	On floors.	m2	100		-
	<u>ON FLOATED PLASTER SURFACES</u>				
	<u>Prepare surfaces and remove all loose material, apply one coat alkaline resistant primer, one universal undercoat two coats eggshell enamel paint on:</u>				
2	Interior walls. (Provisional)	m2	1 597		-
	<u>ON METAL</u>				
	<u>Prepare, spot primer defects in pre-primed surfaces with red oxide primer and apply one coat synthetic metal primer, one universal undercoat and one finishing coat of high gloss enamel paint on:</u>				
3	Door frames.	m2	132		-
4	Burglar gates.	m2	20		-
5	Windows.	m2	15		-
	<u>ON WOOD</u>				
	<u>Prepare and apply two coats carbolineum on:</u>				
6	Roof timbers at eaves and verges. (Provisional)	m2	60		-
7	Wall plate.	m2	80		-
	<u>Stop, sand down, prepare and apply two coats polyurethane varnish on:</u>				
8	Exterior doors.	m2	132		-
9	Skirtings and quadrant bead, rails, etc., not exceeding 300 mm girth.	m	-		-
	Carried to Bill Summary				R -
Section No.2 Building Work					
Bill No.9					
Paintwork					

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHOBA PRIMARY SCHOOL

Item No.		Unit	Quantity	Rate	Amount
	<u>Prepare and apply one coat pink wood primer, stop and apply two finishing coats of non-drip semi-gloss polyurethane enamel on:</u>				
10	Interior doors.	m2	132		-
	<u>ON FIBRE-CEMENT</u>				
	<u>Prepare and apply one coat zinc chromate to nail heads and H-spline strips, one universal undercoat, stop and apply two finishing coats of eggshell enamel on:</u>				
11	General surfaces of ceilings.	m2	944		-
12	Fascias, bargeboards, etc.	m2	48		-
	<u>PLASTERBOARD</u>				
	<u>Prepare, prime nail heads and strips with zinc chromate primer, one universal undercoat and two finishing coats of semi-gloss PVA on:</u>				
13	General surfaces of ceilings.	m2	944		-
Carried to Bill Summary				R	-
Section No. 2 Building Work Bill No. 9					
Paintwork					

SECTION NO. 2 BILL NO. 9 SUMMARY

Page 47		R	-
Page 48		R	-
Carried to Section Summary		R	-

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHOBA PRIMARY SCHOOL

Item No.	BUILDING WORK	Unit	Quantity	Rate	Amount
	<u>SECTION 2</u>				
	<u>BILL NO. 11</u>				
	<u>ELECTRICAL WORK</u>				
	<u>PREAMBLES</u>				
	The Tenderer is referred to the relevant Clauses in the separate Standard Preambles of Trades hereunder attached.				
	<u>DISCONNECTION/ REMOVAL OF REDUNDANT ELECTRICAL EQUIPMENT</u>				
	<u>ELECTRICAL INSTALLATIONS</u>				
	<u>DISCONNECTION/ REMOVAL OF REDUNDANT ELECTRICAL EQUIPMENT</u>				
	Isolate, decommissioning, disconnect and removing of existing electrical installations including cable and distribution board.				
1	Contractor to provide temporary power	sum	1		-
	<u>LV SWITCHGEAR</u>				
	<u>DBs and LV Switchgear</u>				
	<u>Manufacture, deliver to site, install, commission, test and tuning of distribution board as per specification and single line diagram. Rates to include for hot deep galvanised steelwork and powder coated, busbars and drilling, busbar connections internal wiring etc or as per drawing. Refer to attached single line diagram. Colour shall be as per single line diagram / drawings.</u>				
2	DB - A	No	1		-
3	DB - C	No	1		-
4	DB - D	No	1		-
5	Addition of surge arrestors on the existing DB-B1 pole mini railsurge arrestos	No	1		-
	<u>CABLE TERMINATIONS</u>				
	Termination of cables shall include supply installation and testing of the IP65 glands with corrosion guard , making-off the cable, lugs, and fitting the gland to the board gland plate, switchgear or equipment and final connection of cable tails into board or terminals. Include for Reducing Glands and shrouds where applicable. NB: IP65 Glands are to be used				
6	16mm² 2c 600/1000V PVC/SWA/PVC ECC Cu Cable	No	6		-
7	10mm² 2c 600/1000V PVC/SWA/PVC ECC Cu Cable	No	4		-
	Carried to Bill Summary			R	-

Section No. 3 Building Work
Bill No. 12

Electrical Work

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHOBA PRIMARY SCHOOL

Item No.		Unit	Quantity	Rate	Amount
	<u>CABLES AND CONDUCTORS</u>				
	<u>specified. Install, rack, strap and testing of cables as per</u>				
8	2,5mm conductors (for all mixed colours - live, neutral and earth)	m	2200		-
9	4,0mm conductors (for all mixed colours - live, neutral and earth)	m	1700		-
10	16mm² 2c 600/1000V PVC/SWA/PVC ECC Cu Cable	m	160		-
11	4mm² 2c 600/1000V PVC/SWA/PVC ECC Cu Cable	m	220		-
	<u>SUPPLY AND INSTALL PVC CONDUIT</u>				
	<u>Supply and install the following PVC conduits in concrete slab, chased through brick walls and surface mounted to pvc boxes. Conduits are to include ends and all necessary conduits accessories. All material to be SABS approved and be suitable for conductors installation.</u>				
12	25mm pvc	m	510		-
13	32mm pvc	m	300		-
14	65mm diameter/round PVC box, complete with cover and all necessary accessories.	sum	1		-
	<u>CONTROL DEVICES AND ACCESSORIES</u>				
	Supply, deliver and installation of the following accessories. Rate must allow for the termination and connecting of the PVC conductor to the accessory, fixing to the wall mounted steel conduit box and the fitting of the cover plate. All accessories to be PVC white cover with white toggle:-				
15	Supply and installation of 15Amp, 230V AC, 1 lever, 1-way recessed, white coloured, light circuit switch complete with cover and all accessories, must be chased in the wall	No	20		-
16	Supply and installation of recessed mounted 15Amp, 230VAC, 2 lever, 2-way, white coloured, light circuit switch complete with cover and all accessories, must be chased in the wall	No	5		-
17	Supply and install surface mounted 16A, 230VAC, 3pin with 2pin, Switched Socket Outlets, white coloured cover plate, chased in the wall	No	25		-
18	Supply and install 16A, 3pin, 230V Double Switched Socket Outlets, white coloured cover plate, must be chased in the wall	No	15		-
19	Supply and install 16A, 3pin, 230V Double Switched Socket Outlets, white coloured cover plate, must be chased in the wall	No	3		-
20	Labelling of light switches, sockets and isolators outlets, cables engraved or pop riveted to cover plate or similar as per drawing	sum	1		-
	<u>CONDUIT BOXES / DRAW BOXES</u>				
	Supply, deliver and install the following conduit surface mounted boxes. Rate must allow for the termination of conduit ends.				
21	100 x 100 x 50 mm	no.	40		-
22	100 x 50 x 50 mm	no.	25		-
	Carried to Bill Summary			R	-

Section No. 2 Building Work
Bill No. 11

Electrical Work

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHOBA PRIMARY SCHOOL

Item No.		Unit	Quantity	Rate	Amount
	<u>Supply, deliver, accept and store the following LED luminaires.</u>				
23	Type A9- surface mounted fitting with 2x 28W/ ±2000 lumen per LED lamp.Fitting rated IP65 surface mounted 1200mm luminaires IP65 complete with acrylic diffuser	No	55		-
24	Type B1 - IP65 Rated high-pressure die cast aluminium base and trim ring 20W/ +/-2600lm LED - 4000k bulkhead luminaire with an opal high-impact acrylic diffuser, with 50000 hours lifespan.	No	20		-
25	Type C1 - 80W / +/-10000lm LED (4000k) Floodlight, rated IP65 with powder coating as per specification	No	15		-
26	Photo electric cell as per specification	No	8		-
	<u>SUNDRIES</u>				
27	Signs, Labels & Equipment Tags Supply and install all power, lighting and earthing signs, labels and equipment tags as specified and in accordance with all Statutory requirements.	sum	1		-
28	Earthing and Bonding of all electrically connected Equipment and cable racking and supports as per Spec & regulations for all 2 building structures	sum	1		-
29	Supply, install, test and commissioning of the Lightning protection of the entire building on all corners of the building as a minimum, complete with all necessary required material, accessories for a complete installation. Contractor to use copper earth spike, copper conductors as per SANS, and have testing points at least 4 points around each block, the earthing conductors shall be terminated and fixed on the roof sheeting. Refer to drawing for details and specification. Rates to include all necessary required accessories for a complete installation and Lightning protection result / certificate.				
	Admin	sum	1		-
	Classroom 1-4	sum	1		-
	Classroom 5-6	sum	1		-
	Guard House	sum	1		-
	Ablutions	sum	3		-
	<u>TEST AND COMMISSIONING</u>				
30	Test and commission the complete electrical installation including completion of quality checksheets, Compliance Certificates & test results and submitting them to the Employer's Representative. Test and Commission the complete electrical installation including Certificates & test results & COC to the Engineer.	sum	1		-
	Carried to Bill Summary			R	-

Section No. 2 Building Work
Bill No. 11
Electrical Work

SECTION NO. 2 BILL NO. 12 SUMMARY

Page 50	R	-
Page 51	R	-
Page 52	R	-
Carried to Section Summary		R -

BUILDING WORK

**DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHOBA PRIMARY SCHOOL**

Bill No.	SECTION NO.3 SUMMARY			Amount
1	Masonry	Page	R	-
2	Roof Coverings	Page	R	-
3	Carpentry and Joinery	Page	R	-
4	Ceilings, Partitioning, and Access Flooring	Page	R	-
5	Ironmongery	Page	R	-
6	Metalwork	Page	R	-
7	Plastering	Page	R	-
8	Glazing	Page	R	-
9	Paintwork	Page	R	-
10	Electrical Work	Page	R	-
Carried to Final Summary			R	-

Section No. 2
Summary
Building Work

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHOBA PRIMARY SCHOOL

EXTERNAL WORKS		Unit	Quantity	Rate	Amount
Item No.					
	<u>SECTION NO.3</u>				
	<u>BILL NO. 1</u>				
	<u>WALKWAYS, RAMPS AND STOEPS</u>				
	<u>PREAMBLES</u>				
	The Tenderer is referred to the relevant Clauses in the separate Standard Preambles of Trades hereunder attached.				
	NOTE:				
	Where items in this Bill are identical to those in the previous Bills, the descriptions have been shortened, and the full descriptions in the Trades concerned are to be referred to for the full meaning and intent of each item				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	The Supplementary Preambles described in previous Sections of these Bills of Quantities will be applicable to the Trades referred to in this Bill.				
	<u>EARTHWORKS</u>				
	<u>Excavation not exceeding 2m deep:</u>				
1	Over site between buildings,etc to reduce levels and depositing excavated material in prescribed stock piles on site	m3	80		-
2	Trenches and holes for thickening under surface beds.	m3	191		-
	<u>Extra over excavation in pickable material for column bases, trenches, lift pits, sumps, etc for excavation</u>				
3	Soft rock.	m3	19		-
4	Hard rock.	m3	10		-
	<u>Risk of collapse of excavations other than bulk:</u>				
5	Sides of trench and hole excavations not exceeding 1,5m deep.	m2	126		-
	<u>Keeping excavations free of water:</u>				
6	Keeping excavations free of all water other than subterranean water.	Item	1		-
	<u>CARTING AWAY.</u>				
	<u>Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):</u>				
7	Off site to a dumping site to be found by the Contractor.	m3	60		-
	Carried to Bill Summary			R	-
Section No. 3 External Works					
Bill No. 1					
Walkways					

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHOBA PRIMARY SCHOOL

Item No.		Unit	Quantity	Rate	Amount
	<u>EARTH FILLING, ETC.</u>				
	<u>Earth filling supplied by the contractor under pavings, etc:</u>				
8	Oversite of G7 material in accordance with SABS 1200 M compacted to 93 % Mod AASHTO density.	m3	55		-
	<u>Filling with approved clean, river sand supplied and carted onto site by the Contractor, compacted to a density of at least 93% Mod. AASHTO maximum density:</u>				
9	Under floors, pavings, ramps, etc.	m2	55		-
	<u>Surface Preparation:</u>				
10	Trim and level off surface of ground (excavated or filled under this Contract) to receive concrete surface beds, including excavating or filling, ripping and scarifying as necessary, stabilising with 4% lime and compacting the whole area for a depth of 150mm to a density of at least 95% Mod. AASHTO maximum density, part to falls.	m2	342		-
	<u>CONCRETE, FORMWORK & REINFORCEMENT</u>				
	<u>CONCRETE</u>				
	<u>Unreinforced 25Mpa/19mm Concrete:</u>				
11	Pavings cast in panels	m3	34		-
	<u>Finishing top surfaces of concrete smooth with a wood float:</u>				
12	Paving to falls.	m2	342		-
	<u>FORMWORK</u>				
	<u>Smooth Formwork (Degree of Accuracy II)</u>				
13	Edges, risers, ends and reveals not exceeding 300mm high.	m	172		-
	<u>MOVEMENT JOINTS ETC</u>				
	<u>Expansion joints with low density (33kg/m³), cross linked, closed cell, expanded polyethylene joint former, with tear off strip fitted to concrete surface with adhesive as per adhesive manufacturer's recommendation between vertical concrete surfaces:</u>				
14	Expansion joints in floors	m	112		-
	<u>REINFORCEMENT (PROVISIONAL)</u>				
	<u>Fabric reinforcement:</u>				
15	Type 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	342		-
Carried to Bill Summary				R	-
Section No.3 External Works					
Bill No. 1					
Walkways					

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHOBA PRIMARY SCHOOL

Item No.		Unit	Quantity	Rate	Amount
	<u>DAMPPROOFING OF WALLS AND FLOORS</u>				
	<u>One layer of 250 micron USB Green waterproof sheeting complying with SABS 952 Type C sealed at laps with Pressure Sensitive Tape:</u>				
16	Under surface beds.	m2	342		-
	<u>JOINT SEALANTS ETC.</u>				
	<u>Two part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc:</u>				
17	10mm Expansion Joints not exceeding 300mm high with 10mm soft board and polysulphide or similar approved sealant	m	40		-
	10mm jointex or similar approved on apron and wall intersections not exceeding 300mm high complete with 15mm x 10mm polyurethane joint sealer.	m	40		-
	<u>GRANOLITHIC</u>				
	<u>Unitinted granolithic on concrete:</u>				
18	30mm Thick on floors and landings.	m2	342		-
Carried to Bill Summary				R	-

Section No.3 External Works
Bill No. 1
Walkways

WALKWAYS

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHOBA PRIMARY SCHOOL

SECTION NO. 3 BILL NO. 1 SUMMARY

Page 55	R	-
Page 56	R	-
Page 57	R	-
Carried to Section Summary		R -

Section No. 3 External Works
Bill No. 1
Walkways

Bill No.	SECTION NO.3 SUMMARY				Amount
1	Walkways	Page	74	R	-
Carried to Final Summary				R	-

Section No.3
External Works

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHOBA PRIMARY SCHOOL

Item No.	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>				
<u>BILL NO. 2</u>				
<u>PROVISIONAL SUMS</u>				
<u>(PROVISIONAL)</u>				
<u>Community Liason Officer</u>				
1	Item	1	100 000,00	100 000,00
	Item			
	Item			
<u>Temporary Classrooms</u>				
2	Item	1	1 000 000,00	1 000 000,00
	Item			
	Item			
<u>Sundry building work</u>				
3	Item	1	140 000,00	140 000,00
	Item			
	Item			
<u>AIA</u>				
4	Item	1	150 000,00	150 000,00
	Item			
	Item			
<u>MINIMUM TARGETED ENTERPRISE DEVELOPMENT</u>				
13	PS		117 353.03	117 353.03
14	%			
15	%			
Carried to Final Summary				R -

DEVELOPMENT BANK OF SOUTHERN AFRICA

ASBESTOS REPLACEMENT PROGRAM
MASHOBA PRIMARY SCHOOL

FINAL SUMMARY			Amount	
1	Preliminaries	Page	R	-
2	Building Work	Page	R	-
3	External Work	Page	R	-
4	Provisional Sums	Page	R	-
Sub-Total				-
Add 05% Contingencies				-
Subtotal				-
Add 15% VAT				-
Carried to Form of Tender			R	-