

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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	<u>A9 INDEMNITIES</u>				
9	Clause 9.0				
	Fixed: _____ Value related: _____ Time related: _____	Item			
	<u>A10 WORKS INSURANCES</u>				
10	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				
(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 works unless due to any act or negligence of any person				
(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, consequence 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 for whose actions the employer is legally liable				
(b)	The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or				
	any other body or person, arising out of or in the course of or by reason of the execution of the works unless due to any act or neglect of any person for whose actions the employer is legally liable				
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(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 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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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:_____

EXECUTION

A15 PREPARATION FOR AND EXECUTION OF THE WORKS

15	Clause 15.0
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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), 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

Fixed: _____ Value related: _____ Time related: _____

A16 ACCESS TO THE WORKS

16	Clause 16.0
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Fixed: _____ Value related: _____ Time
related: _____

A17 CONTRACT INSTRUCTIONS

17	Clause 17.0
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Fixed: _____ Value related: _____ Time
related: _____

A18 SETTING OUT OF THE WORKS

18	Clause 18.0
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Fixed: _____ Value related: _____ Time
related: _____

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19	<p>A19 ASSIGNMENT</p> <p>Clause 19.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item			
20	<p>A20 NOMINATED SUB-CONTRACTORS</p> <p>Clause 20.0</p> <p><u>Clause 20.1.3 is amended by replacing it with the following:</u></p> <p>No Clause</p> <p>Note: See item B9.1 hereinafter for adjustment of attendance on nominated subcontractors executing work allowed for under provisional sums</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item			
21	<p>A21 SELECTED SUBCONTRACTORS</p> <p>Clause 21.0</p> <p>Clause 21 is amended by replacing it with:</p> <p>No Clause</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item			
22	<p>A22 EMPLOYERS DIRECT CONTRACTORS</p> <p>Clause 22.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item			
23	<p>A23 CONTRACTOR'S DOMESTIC SUBCONTRACTORS</p> <p>Clause 23.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item			
24	<p><u>COMPLETION</u></p> <p>A24 PRACTICAL COMPLETION</p> <p>Clause 24.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item			
25	<p>A25 WORK'S COMPLETION</p> <p>Clause 25.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item			
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A26 FINAL COMPLETION

26

Clause 26.0

Fixed: _____ Value related: _____ Time
related: _____

Item

A27 LATENT DEFECTS LIABILITY PERIOD

27

Clause 27.0

Fixed: _____ Value related: _____ Time
related: _____

Item

A28 SECTIONAL COMPLETION

28

Clause 28.0

Fixed: _____ Value related: _____ Time
related: _____

Item

A29 REVISION OF DATE FOR PRACTICAL COMPLETION

29

Clause 29.0

Fixed: _____ Value related: _____ Time
related: _____

Item

A30 PENALTY FOR NON-COMPLETION

30

Clause 30.0

Fixed: _____ Value related: _____ Time
related: _____

Item

PAYMENT

A31 INTERIM PAYMENT TO THE CONTRACTOR

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>				
	A32 ADJUSTMENT TO THE CONTRACT VALUE	Item			
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>	Item			
	A33 RECOVERY OF EXPENSE AND LOSS				
33	<p>Clause 33.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item			
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34	<u>A34 FINAL ACCOUNT AND FINAL PAYMENT</u>			
35	<u>A35 PAYMENT TO OTHER PARTIES</u>			
36	<u>CANCELLATION</u>			
	<u>A36 CANCELLATION BY EMPLOYER - CONTRACTORS</u>			
	<u>DEFAULT</u>			

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	<p><u>Clause 36.0 is amended by the addition of the following clause:</u></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>Fixed:_____ Value related:_____ Time related:_____</p> <p><u>A37 CANCELLATION BY EMPLOYER LOSS AND DAMAGE</u></p>	Item			
37	<p>Clause 37.0</p> <p>Clause 37.0 is amended by the addition of the following clause:</p> <p>37.5 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> <p><u>A38 CANCELLATION BY CONTRACTOR - EMPLOYERS DEFAULT</u></p>	Item			
38	<p>Clause 38.0</p> <p><u>Clause 38.0 is amended by the addition of the following clause:</u></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>Fixed:_____ Value related:_____ Time related:_____</p> <p><u>A39 CESSATON - CANCELLATION OF THE WORKS</u></p>	Item			
39	<p>Clause 39.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item			
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Item No.		Unit	Quantity	Rate	Amount
	<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>	Item			
	<u>SUBSTITUTE PROVISIONS</u>				
	<u>A41 STATE CLAUSES</u>				
41	<p>Clause 41.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item			
	<u>CONTRACT VARIABLES</u>				
	<u>THE SCHEDULE (F Contract data)</u>				
	<u>A42 PRE-TENDER INFORMATION</u>				
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>	Item			
	SECTION B: JBCC PRELIMINARIES				
	DEFINITIONS AND INTERPRETATION				
43	<p>Definitions and interpretation</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item			
	<u>DOCUMENTS</u>				
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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Item No.		Unit	Quantity	Rate	Amount
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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Item No.		Unit Item	Quantity	Rate	Amount
56	Services unknown Fixed: _____ Value related: _____ Time related: _____	Item			
57	Protection of trees Fixed: _____ Value related: _____ Time related: _____	Item			
58	Articles of value Fixed: _____ Value related: _____ Time related: _____	Item			
59	Inspection of adjoining properties Fixed: _____ Value related: _____ Time related: _____	Item Item			
	<u>MANAGEMENT OF CONTRACT</u>				
60	Management of the works Fixed: _____ Value related: _____ Time related: _____	Item			
61	Programme for the works Fixed: _____ Value related: _____ Time related: _____	Item			
62	Progress meetings Fixed: _____ Value related: _____ Time related: _____	Item			
63	Technical meetings Fixed: _____ Value related: _____ Time related: _____	Item			
64	Labour and plant records Fixed: _____ Value related: _____ Time related: _____	Item			
	<u>SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u>				
65	Samples of materials Fixed: _____ Value related: _____ Time related: _____	Item			
66	Workmanship samples Fixed: _____ Value related: _____ Time related: _____	Item			
67	Shop drawings Fixed: _____ Value related: _____ Time related: _____	Item			
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Item No.		Unit	Quantity	Rate	Amount
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			
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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			
	<u>SCHEDULE OF VARIABLES</u>				
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	Existing premises occupied				
[3.4]	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.				
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				
[3.7]	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.				
12.1.10	Protection of trees				
[3.9]	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.				
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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				
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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				
	Facsimile				
	YES				
	E-mail				
	YES				
12.1.19	Ablution facilities				
[7.5}	Option A (by contractor)				
	YES				
	Option B (by employer)				
	NO				
12.1.20	Protection of existing/sectionally occupied works				
[11.2]	Protection is required				
	YES				
12.1.21	Special attendance				
[9.2]	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, 2014 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.	FOUNDATIONS	Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 1</u>				
	<u>EARTHWORKS (PROVISIONAL)</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>				
	<u>Nature of ground:</u>				
	The nature of the ground is assumed to be gravel, therefore earth, but possibly interspersed with soft rock.				
	A soils investigation has been carried out on site by the Engineer and the report is annexed to these Bills of Quantities. Descriptions of excavations shall be deemed to include all ground conditions classifiable as earth described in the above report and where conditions of a more difficult character are indicated these are separately measured.				
	<u>Carting away of excavated material:</u>				
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site.				
	<u>Filling:</u>				
	Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building				
	Work, prices for filling and backfilling shall include for all selection and any multiple handling of material				
	<u>DEMOLITIONS ETC</u>				
	User Note: Where removal of asbestoes is applicable the contractor shall ensure that all necessary procedures are followed, where such proof will be required prior to any payment of the relevant works.				
	<u>Demolish and cart away rubble:</u>				
1	52m2 Plastered block including roof covering to trusses, to be demolished and All rubble to be cart away at the nearby apropiert site for dumping.	No	1		-
	<u>SITE CLEARANCE ETC</u>				
	<u>Site clearance</u>				
2	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	380		-
3	Stripping average 100mm thick layer of top soil and stockpiling on site	m2	380		-
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Item No.		Unit	Quantity	Rate	Amount
	<u>REMOVAL OF TREES ETC</u>				
	<u>Taking out and removing, grubbing up roots and filling in holes</u>				
4	Trees including stump exceeding 200mm and not exceeding 500mm girth	No	1		-
5	Trees including stump exceeding 500mm and not exceeding 1000mm girth	No	1		-
	<u>EXCAVATION, FILLING, ETC. OTHER THAN BULK</u>				
	<u>Excavation in earth not exceeding 2m deep:</u>				
6	Trenches. A:56 B:32 C:34 D:32 E:	m3	164		-
7	Reduced levels, A:12 B:6 C:8 D:6 E:	m3	32		-
	<u>Excavation in earth for pit:</u>				
8	Not exceeding 2m deep. A: B:40 C:30 D:40 E:	m3	110		-
	<u>Extra over trench and hole excavations in earth for excavation:</u>				
9	Soft rock. A:10 B:2 C:3 D:2 E:	m3	18		-
10	Hard rock. A:6 B:2 C:3 D:2 E:	m3	13		-
	<u>Back excavation of vertical sides of excavation in earth for working space including backfilling compacted to 98% Mod AASHTO density:</u>				
11	Not exceeding 500mm deep for placing and removing formwork to walls including basement ,lift shaft,etc 300mm away from excavated face.	m2	110		-
12	Exceeding 500mm and not exceeding 1500mm deep for placing and removing formwork to walls including basement ,lift shaft,etc 800mm away from excavated face.	m2	75		-
13	Exceeding 1500mm and not exceeding 2500mm deep for placing and removing formwork to walls including basement ,lift shaft,etc 800mm away from excavated face.	m2	92		-
	<u>Extra over all excavations for carting away:</u>				
14	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor.	m3	50		-
	<u>Risk of collapse of excavations:</u>				
15	Sides of trench and hole excavations not exceeding 1,5m deep. A:184 B:60 C:96 D:60 E:	m2	400		-
16	Sides of trench and hole excavations exceeding 1,5m deep. A: B:86 C:105 D:86 E:	m2	177		-
	<u>Keeping excavations free of water:</u>				
17	Keeping excavations free of all water other than subterranean water.	Item	1		-
	Carried to Section Summary			R	-

Section No. 2 Foundations
Bill No. 1
Earthworks
Mashananandane SS School

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

Item No.		Unit	Quantity	Rate	Amount
	<u>Earth filling supplied by the Contractor compacted in 150mm layers to 93% Mod AASHTO at -1 to +2 of its optimum moisture content:</u>				
18	Under floors. A:182 B:35 C:40 D:35 E:	m3	292		-
19	Backfilling to trenches, holes, etc. A:16 B:5 C:8 D:5 E:	m3	34		-
	<u>SOIL POISONING</u>				
	<u>Soil insecticide in accordance with SANS 5859:</u>				
20	Under floors etc. including forming and poisoning shallow furrows against foundation walls etc., filling in furrows and ramming. A:182 B:35 C:40 D:35 E:	m2	292		-
21	To bottoms and sides of trenches etc. A:88 B:20 C:34 D:20 E:	m2	162		-
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Section No. 2 Foundations
Bill No. 1
Earthworks
Mashananandane SS School

SECTION NO. 2 BILL NO. 1 SUMMARY

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Item No.	FOUNDATIONS	Unit	Quantity	Rate	Amount
	<u>SECTION NO.2</u>				
	<u>BILL NO. 2</u>				
	<u>CONCRETE, FORMWORK & REINFORCEMENT (PROVISIONAL)</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>				
	<u>Cost of tests:</u>				
	The costs of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Principal Agent. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Principal Agent. (Test cubes are measured separately).				
	<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				
	<u>25 MPa/19mm Concrete:</u>				
1	Strip footings. A:18 B:6 C:8 D:6 E:	m3	38		-
2	Ramps. A:2 B:1 C:1 D:1 E:	m3	5		-
3	Apron. A:46 B:14 C:18 D:14 E:	m3	92		-
	<u>CONCRETE SUNDRIES</u>				
	<u>Finish top of concrete smooth with broom finish:</u>				
4	Broom finish to ramps A:10 B:6 C:8 D:6 E:	m2	30		-
	<u>REINFORCED CONCRETE</u>				
	<u>30 MPa/19mm Concrete:</u>				
5	Surface beds on waterproofing. A:32 B:6 C:8 D:6 E:	m3	54		-
6	Surface beds in pit foundation surface. A: B:4 C:6 D:4 E:	m3	14		-
7	Slab over pit. A: B:5 C:6 D:5 E:	m3	16		-
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Section No. 2 Foundations
Bill No. 2
Concrete, Formwork and Reinforcing
Mashananandane SS School

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

Item No.		Unit	Quantity	Rate	Amount
	<u>TEST BLOCKS.</u>				
	Test blocks:				
8	<u>Making and testing set of three 150 x 150 x 150mm concrete strength test cubes.</u>	Sets	108		-
	<u>FINISHING TOP SURFACE OF CONCRETE</u>				
	Finishing top surfaces of concrete smooth with a wood float:				
9	Apron slabs. A:84 B:20 C:40 D:20 E:	m2	164		-
	<u>Finishing top surfaces of concrete smooth with a steel trowel:</u>				
10	Surface beds, slabs, etc. A:182 B:35 C:40 D:35 E:	m2	292		-
	<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>				
	<u>Rough formwork to sides:</u>				
11	Edges, risers, ends and reveals not exceeding 300mm high or wide. A:86 B:32 C:48 D:32 E:	m	198		-
	<u>Permanent formwork to:</u>				
12	Soffit of slab over pit. A: B:5 C:8 D:5 E:	m2	63		-
13	Extra for 470mm diameter opening through 200mm thick slab. A: B:8 C:5 D:8 E:	No	21		-
	<u>MOVEMENT JOINTS, ETC.</u>				
14	Isolation joints with 10mm bitumen impregnated softboard between vertical concrete and brick surfaces: A:16 B:8 C:10 D:8 E:	m	42		-
15	Not exceeding 300mm high to edges of surface beds. A:86 B:28 C:46 D:28 E:	m	156		-
	<u>Saw-cut joints:</u>				
16	3 x 40mm Saw-cut joints in top of concrete. A:86 B:28 C:46 D:28 E:	m	156		-
	<u>REINFORCEMENT</u>				
	<u>Fabric reinforcement:</u>				
17	Type 193 fabric reinforcement in concrete surface beds, etc. A:182 B:35 C:40 D:35 E:	m2	292		-
18	Type 311 fabric reinforcement in concrete surface beds, etc. A: B:28 C:32 D:28 E:	m2	88		-
	<u>High steel reinforcement to structural concrete work:</u>				
19	10mm Diameter bars. A.2,13 B.0,5 C.1 D.1 E.0,5 F.3	t	6		-
20	12mm Diameter bars. A.2,13 B.0,5 C.1 D.1 E.0,5 F.3	t	6		-
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Section No. 2 Foundations
Bill No. 2
Concrete, Formwork and Reinforcing
Mashananandane SS School

CONCRETE, FORMWORK, & REINFORCING

**DEVELOPMENT BANK OF SOUTHERN AFRICA
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Bill No. 2
Concrete, Formwork and Reinforcing
Mashananandane SS School

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

Item No.	FOUNDATIONS	Unit	Quantity	Rate	Amount
	<u>SECTION NO.2</u>				
	<u>BILL NO. 3</u>				
	<u>MASONRY</u>				
	<u>PREAMBLES</u>				
	The Tenderer is referred to the relevant Clauses in the separate Standard Preambles of Trades hereunder attached.				
	<u>BRICKWORK IN FOUNDATIONS</u>				
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar:</u>				
1	One brick walls. A:84 B:14 C:26 D:14 E:	m2	138		-
2	One brick walls in pits. A: B:38 C:40 D:38 E:	m2	116		-
3	One brick walls of two half brick skins. A: B: C: D: E:	m2	13		-
4	Piers.	m3	4		-
	<u>BRICKWORK SUNDRIES</u>				
	<u>Brickwork reinforcement:</u>				
5	150mm Wide reinforcement built in horizontally. A:88 B:30 C:48 D:30 E:	m	196		-
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Section No. 2 Foundations
Bill No. 2
Masonry
Mashananandane SS School

FOUNDATIONS

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

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2	Concrete, Formwork, Reinforcing	Page	41	R	-
3	Masonry	Page	42	R	-
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Foundations
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DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

BUILDING WORK
SECTION NO. 3

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

in Class I mortar:

1	Half brick walls. A: B:34 C:56 D:34 E:	m2	124	-
2	Ditto, but in beamfilling. A:32 B:18 C:28 D:18 E:110	m2	206	-
3	One brick walls. A:255 B:80 C:130 D:80 E:330	m2	803	-
4	One brick walls of two half brick skins in gable walls. A:25 B:22 C:32 D:22 E:40	m2	141	-
5	Piers.	m3	5	-

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Section No. 3 Building Work
Bill No. 1
Masonry
Mashananandane SS School

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

Item No.		Unit	Quantity	Rate	Amount
	<u>BRICKWORK SUNDRIES</u>				
	<u>Brickwork reinforcement:</u>				
6	75mm Wide reinforcement built in horizontally. A: B:50 C:65 D:50 E:110	m	126		-
7	150mm Wide reinforcement built in horizontally. A:505 B:182 C:230 D:182 E:440	m	1 539		-
	<u>Prestressed fabricated precast lintels including necessary temporary supports:</u>				
8	Pair of 110 x 70mm Lintels in lengths not exceeding 3m. A: 76 B:16 C: 24 D: 16 E: 20	m	152		-
9	Pair of 110 x 70mm Lintels in lengths exceeding 3m and not exceeding 4.5m. A: 10 B:15 C: 18 D: 15 E: 12	m	70		-
	<u>Turning pieces to lintels, etc:</u>				
10	220mm Wide turning piece to lintels etc. A:27 B:9 C:10 D: 10 E:9	m	65		-
11	Galvanised Hoop Iron cramps, ties, etc: A:82 B:24 C:38 D:24 E:215	No	383		-
12	30 x 1.6mm Roof ties 1.5 long with one end fixed to timber and the other end built into brickwork (Provisional). A:82 B:24 C:38 D:24 E:215	No	383		-
	<u>Air bricks etc:</u>				
13	229 x 152mm Clay vermin proof air brick. (Provisional). A: 8 B: 8 C: 8 D: 8 E: 20	No	52		-
14	FACE BRICKWORK (PROVISIONAL)				
	<u>Corebrick Firelight Satin brick work:</u>				
15	Extra over brickwork for face brickwork. A:282 B:80 C:147 D:80 E:	m2	589		-
16	Extra over brickwork for facing 400 x 400mm piers. A:2 B:2 C: 2 D:2 E:	m2	8		-
17	Extra over brickwork for facing gable walls. A:28 B:20 C:30 D:20 E:	m2	98		-
18	Extra over brickwork for facing beamfilling. A:32 B:18 C:28 D:18 E:	m2	96		-
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Section No. 3 Building Work
Bill No. 1
Masonry
Mashananandane SS School

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

Item No.		Unit	Quantity	Rate	Amount
19	Cut face brick-on-edge header course lintel 110mm wide. A: 34 B:20 C: 30 D:20 E:	m	104		-
	Fair raking cutting. A: 34 B:20 C: 30 D:20 E:	m	104		-
	<u>FIBRE CEMENT WINDOW CILLS</u>				
	15mm Thick natural grey cills in single length bedded in 4:1 sand cement mortar including metal lugs, etc:				
20	140mm Wide cills set flat and slightly projecting. A: 34 B:20 C: 10 D:20 E:8	m	92		-
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Section No. 3 Building Work Bill No. 1 Masonry Mashananandane SS School					

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DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

Item No.	BUILDING WORK	Unit	Quantity	Rate	Amount
	<u>SECTION NO. 3</u>				
	<u>BILL NO. 3</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 Kliplock 700 roof sheeting and accessories fixed to timber purlins (elsewhere):</u>				
1	Roof covering with pitch not exceeding 25 degrees. A:186 B:38 C:44 D:38 E: 950	m2	1 256		-
	<u>0.53mm "GRS Kliplock 700 roof sheeting</u>				
2	Ridge capping to suit roof profile. A: 27 B:16 C: 26 D:16 E:265	m	350		-
3	Hip capping to suit roof profile. A:10 B:8 C: 10 D:8 E:60	m	96		-
4	Remove existing roof and replace with new	m2	950		-
	<u>RAINWATER DISPOSAL</u>				
	<u>Seamless aluminium gutters.</u>				
5	100x 75mm Eaves gutters. A:35 B:14 C:18 D:14 E:260	m	341		-
6	Extra over gutter for stopped end. A:8 B:4 C:4 D:4 E: 36	No	40		-
7	Extra over gutter for angle. A:8 B:4 C:4 D:4 E: 36	No	40		-
8	Extra over 100 x 75mm eaves gutter for outlet for 75mm diameter pipe. A:8 B:4 C:4 D:4 E: 36	No	40		-
9	75mm Diameter rainwater pipes. A: 92 B:28 C:45 D: 28 E:66	m	259		-
10	Extra over rainwater pipe for bend. A:8 B:4 C:4 D:4 E: 36	No	40		-
11	Extra over rainwater pipe for eaves offset 500mm projection. A:8 B:4 C:4 D:4 E: 36	No	40		-
	<u>ROOF INSULATION</u>				
	<u>Non-combustible lightweight polyster insulation blanket and foil:</u>				
12	135mm Insulation closely fitted between tie beams and laid loose on top of brandering.	m2	1 256		-
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Section No. 3 Building Work
Bill No. 3
Roof Coverings
Mashananandane SS School

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

Item No.	BUILDING WORK	Unit	Quantity	Rate	Amount
	<u>SECTION NO. 3</u>				
	<u>BILL NO. 4</u>				
	<u>CARPENTRY AND JOINERY</u>				
	<u>PREAMBLES</u>				
	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 1256 m2 on plan A:186 B:38 C:44 D:38 E: 950	m2	1 256		-
2	114 x 38mm Wall plates. A: 92 B:27 C:45 D: 27 E:258	m	449		-
	<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. A:34 B:12 C: 13 D:12 E:170	m	242		-
4	200 x 80mm moulded socketless barge board, including galvanised H-profile joiners, etc. A:20 B: 10 C: 10 D:10 E:80	m	130		-
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Section No. 3 Building Work
Bill No. 4
Carpentry and Joinery
Mashananandane SS School

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS 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 A: 3 B:8 C: 6 D: 8 E:18	No	24		-
	<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. A: B:3 C: 6 D: 8 E:	No	17		-
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Section No. 3 Building Work
Bill No. 4
Carpentry and Joinery
Mashananandane SS School

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Section No. 3 Building Work
Bill No. 1
Carpentry and Joinery
Mashananandane SS School

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

Item No.	BUILDING WORK	Unit	Quantity	Rate	Amount
	<u>SECTION NO. 3</u>				
	<u>BILL NO. 5</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>9.5mm Gyproc rhinobords with H-profile galvanised steel jointing strips fixed to Donn Tees:</u>				
1	centres with cross brandering at 450mm centres and at joints, ends of A:182 B:35 C:40 D:35 E: 950	m2	1 256		-
2	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	20		-
3	75mm Coved cornices, plugged A: 92 B:40 C:55 D:40 E:369	m	596		-
	<u>INSULATION</u>				
	<u>Non-combustible lightweight polyster insulation blanket and foil:</u>				
4	135mm Insulation closely fitted between tie beams and laid loose on top of brandering. A:182 B:35 C:40 D:35 E: 950	m2	1 256		-
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Section No. 3 Building Work
Bill No. 5
Ceilings Partitions and Access Flooring
Mashananandane SS School

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

Item No.	BUILDING WORK	Unit	Quantity	Rate	Amount
	<u>SECTION NO. 3</u>				
	<u>BILL NO. 6</u>				
	<u>IRONMONGERY</u>				
	<u>PREAMBLES</u>				
	The Tenderer is referred to the relevant Clauses in the separate Standard Preambles of Trades hereunder attached.				
	<u>IRONMONGERY FIXED TO DOORS, ETC.</u>				
	<u>HINGES, BOLTS, ETC</u>				
	<u>Brass:</u>				
1	100 x 75mm LD butt hinges A: 6 B:16 C: 12 D: 16 E:36	No	86		-
	<u>"Dorma"</u>				
2	3.0 Pair-DORMA DBB-SS-009 102x75x3mm stainless steel two ball bearing but hinges (Provisional) A: 3 B:8 C: 6 D: 8 E:18	No.	43		-
	<u>Bolts and latches:</u>				
3	25 x 50mm LD Polished barrel bolt or similarly approved A: B:8 C: 6 D: 8 E:	No	22		-
	<u>LOCKS:</u>				
4	75mm Four lever security lockset with satin chrome furniture. A: 3 B:8 C: 6 D: 8 E:18	No	43		-
	<u>NUMERAL AND NAMEPLATES, ETC.</u>				
5	<u>Clear perspex name plate reverse engraved and enamelled in white lettering 25mm high to suit, twice countersunk holed for and tapscrewed to steel door frames or gate framing with chromium plated dome-headed selftapping screws:</u>				
6	75 x 150mm High aluminium toilet sign with MALE and/or FEMALE/ and or DISABLED figure screwed to door. A: B: 1 C:3 D:1 E:	No	5		-
	<u>SUNDRIES</u>				
7	Rubber tipped coathook. A: 3 B:8 C: 6 D: 8 E:18	No	43		-
8	38mm Rubber stop plugged and srewed to wall or floor. A: 3 B:8 C: 6 D: 8 E:18	No	43		-
9	19mm Stainless steel chromium plated towel rail, 600mm long, with end brackets plugged to plastered or tiled wall. A: B: 1 C:1 D: 1 E:	No	3		-
10	3 x 25mm Brass dividing strip between different floor finishes. A: 4 B:10 C: 8 D:10 E:22	m	54		-
	<u>Chairman Industries or similar approved brushed stainless steel grab rails:</u>				
11	32mm Diameter code DL2 side grab rail, plugged. A: B: C:1 D: E:	No	1		-
12	32mm Diameter code SL2 rear grab rail, plugged. A: B: C: 1 D: E:	No	1		-
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Section No. 3 Building Work
Bill No. 6
Ironmongery
Mashananandane SS School

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

Item No.	<u>BATHROOM FITTINGS</u>	Unit	Quantity	Rate	Amount
	<u>Toilet roll holders:</u>				
13	Lockable Stainless steel toilet roll holder plugged to wall. A: B:8 C:4 D:6 E:	No	18		-
14	Soap dispensers: A: B:8 C:4 D:6 E:	No	11		-
15	Wall mounted soap dispenser plugged. A: B: C: D: E:	No	10		-
16	Steel Cupboards A:10 B: C: D: E:	No	2		-
	<u>WHB</u>				
17	Wall mounted A: B: C: D: E:2	No	18		-
	<u>Pinning Boards</u>				
18	Wall mounted A:3 B: C: D: E:15	No	18		-
	<u>Chalked Boards</u>				
19	Wall mounted A:3 B: C: D: E: F: G: H:15	No	18		-
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Section No. 3 Building Work
Bill No. 6
Ironmongery
Mashananandane SS School

IRONMONGARY

**DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL**

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Bill No. 6
Ironmongery
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DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

BUILDING WORK		Unit	Quantity	Rate	Amount
Item No.					
	<u>SECTION NO. 3</u>				
	<u>BILL NO. 7</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. A:2 B:3 C:3 D:3 E:	No	9		-
2	W1 A:12 B: C: D: E:30	No	42		-
3	W2 A:12 B: C: D: E:70	No	82		-
	<u>PRESSED STEEL DOOR FRAMES</u>				
	1,2mm Double rebated frames suitable for one brick walls:				
4	Frame for door 813 x 2060mm high. A: 3 B:8 C:3 D: 8 E: 18	No	43		-
	<u>SECURITY GATES</u>				
	<u>Steel security gates:</u>				
5	Size 877mm x 2250mm high, as per door schedule. (G01) A: B:1 C:3 D: 1 E:	No	5		-
Carried to Section Summary					
				R	-

Section No. 3 Building Work
Bill No. 7
Metalwork
Mashananandane SS School

BUILDING WORK

Section No. 3 Building Work
Bill No. 8
Plasterwork
Mashananandane SS School

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

BUILDING WORK		Unit	Quantity	Rate	Amount
Item No.					
	<u>SECTION NO. 3</u>				
	<u>BILL NO. 9</u>				
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>				
	<u>PREAMBLES</u>				
	The Tenderer is referred to the relevant Clauses in the separate Standard Preambles of Trades hereunder attached.				
	<u>SANITARY PLUMBING</u>				
	<u>Unplasticised polyvinyl chloride (uPVC) pipes:</u>				
1	50mm Pipes fixed to walls, etc.	m	65		-
2	110mm Pipes fixed to walls, etc.	m	35		-
	Extra over uPVC pipes for:				
3	50mm Bend.	No	20		-
4	110mm Bend.	No	24		-
5	110mm Junction.	No	4		-
6	50mm Access bend.	No	6		-
7	50mm Access junction.	No	10		-
8	110mm Access junction.	No	2		-
9	110mm Access reducing junction.	No	2		-
10	110mm Access rodding eye.	No	2		-
11	50mm P-trap.	No	14		-
12	110mm Two-way vent valve.	No	32		-
	<u>Testing:</u>				
13	Allow for testing sanitary plumbing system.	Item	1		-
	<u>WATER SUPPLIES</u>				
	<u>Internal water supplies:</u>				
	Prices for all piping laid in ground, inspection chambers, etc. shall include for excavations, keeping free of water, distributing surplus material on site (carting away has been separately measured) and backfilling in selected material (imported fill where required will be separately measured).				
	Holes, chases, etc., are deemed to be included in the descriptions of				
14	Class O copper pipes:				
	15mm Pipes fixed to walls, etc.	m	75		-
Carried to Bill Summary				R	-

Section No. 3 Building Work
Bill No. 9
Plumbing and Drainage
Mashananandane SS School

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

Item No.		Unit	Quantity	Rate	Amount
15	22mm Pipes fixed to walls, etc.	m	160		-
16	Ditto, but 28mm pipes.	m	72		-
	<u>Extra over class O copper pipes for brass capillary fittings:</u>				
17	15mm Pipe fittings.	No	48		-
18	22mm Pipe fittings.	No	35		-
19	28mm Pipe fittings.	No	26		-
	<u>Testing:</u>				
20	Allow for testing water supply system.	Item	1		-
	<u>SANITARY FITTINGS</u>				
	together with loose ancillary fittings supplied therewith, including				
21	"Charlog 200" or similar approved VIP pit size 370 x 480mm pedestal and seat cover with flap fixed to floors	No	15		-
22	"Charlog Christy" wall hung basin or similar approved, size 570 x 419 x 170mm high , with stopper to one taphole and fixed to wall.	No	11		-
23	Charlog Bowl Urinal ' or similar aproved size 350 x 320 x 490mm high hunged to wall including brackets.	No	6		-
	<u>TAPS, VALVES, ETC.</u>				
	<u>'Cobra-Watertech':</u>				
24	15mm 'Star 111-CP' raised nose pillartap.	No	19		-
25	15mm Type '1090 Ball-o-flo' ballcock.	No	8		-
	<u>WASTE UNIONS, TRAPS, ETC.</u>				
26	32 x 40mm 'Flexitrap' butyl rubber deep seal 'P' or 'S' trap jointed to waste outlet fitting and to PVC pipe including coupling clamps, etc.	No	13		-
Carried to Bill Summary				R	-

Section No. 3 Building Work
Bill No. 9
Plumbing and Drainage
Mashananandane SS School

PLUMBING AND DRAINAGE

**DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL**

SECTION NO. 3 BILL NO. 9 SUMMARY

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Section No. 3 Building Work
Bill No. 9
Plumbing and Drainage
Mashananandane SS School

BUILDING WORK

Section No. 3 Building Work
Bill No. 10
Glazing
Mashananandane SS School

BUILDING WORK

Section No. 3 Building Work
Bill No. 11
Paintwork
Mashananandane SS School

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

Item No.		Unit	Quantity	Rate	Amount
10	<p><u>Prepare and apply one coat pink wood primer, stop and apply two finishing coats of non-drip semi-gloss polyurethane enamel on:</u></p> <p>Interior doors. A: 2 B:3 C:6 D: 8 E:14</p> <p><u>ON FIBRE-CEMENT</u></p>	m2	33		-
11	<p><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></p> <p>General surfaces of ceilings. A:171 B:30 C:35 D:30 E:950</p>	m2	1 216		-
12	<p>Fascias, bargeboards, etc. A: 82 B:20 C: 45 D:27 E:22</p> <p><u>PLASTERBOARD</u></p>	m2	196		-
13	<p><u>Prepare, prime nail heads and strips with zinc chromate primer, one universal undercoat and two finishing coats of semi-gloss PVA on:</u></p> <p>General surfaces of ceilings. A: 82 B:20 C: 45 D:27 E:22</p>	m2	196		-
Carried to Bill Summary					
					R -

Section No. 3 Building Work
Bill No. 11
Paintwork
Mashananandane SS School

PAINTWORK

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

SECTION NO. 3 BILL NO. 11 SUMMARY

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Section No. 3 Building Work
Bill No. 11
Paintwork
Mashananandane SS School

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

BUILDING WORK

Item No.		Unit	Quantity	Rate	Amount
	<u>SECTION 3</u>				
	<u>BILL NO. 12</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>The following equipment shall be isolated, disconnected, removed and handed over to the Employer:</u>				
1	Isolate, decommissioning, disconnect and removing of existing electrical installations including cable and distribution board. Contractor to provide temporary power	sum	1		-
	<u>LV SWITCHGEAR</u>				
	<u>DBs and LV Switchgear</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.				
2	DB - A Main DB (CL3)	No	1		-
3	DB - B (CL6-A)	No	1		-
4	DB - C (CL6-B)	No	1		-
5	DB - D (HOD AND Kitchen)	No	1		-
6	DB - E (Admin)	No	1		-
7	DB - F (Ablutions)	No	1		-
8	DB - G (Guard House)	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				
9	4mm² 2c 600/1000V PVC/SWA/PVC ECC Cu Cable	No	6		-
10	10mm² 2c 600/1000V PVC/SWA/PVC ECC Cu Cable	No	2		-
11	10mm² 2c 600/1000V PVC/SWA/PVC ECC Cu Cable	No	10		-
	Carried to Bill Summary			R	-

Section No. 3 Building Work
Bill No. 12
Electrical Work
Mashananandane SS School

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

Item No.		Unit	Quantity	Rate	Amount
	<u>CABLES AND CONDUCTORS</u>				
	Supply, deliver to site and store cables and conductors as specified. Install, rack, strap and testing of cables as per specification including clamps, ties and cable numbering system				
12	2,5mm conductors (for all mixed colours - live, neutral and earth)	m	8400		-
13	4,0mm conductors (for all mixed colours - live, neutral and earth)	m	6220		-
14	10mm² 2c 600/1000V PVC/SWA/PVC ECC Cu Cable	m	50		-
15	16mm² 2c 600/1000V PVC/SWA/PVC ECC Cu Cable	m	290		-
16	4mm² 2c 600/1000V PVC/SWA/PVC ECC Cu Cable	m	210		-
	<u>SUPPLY AND INSTALL PVC CONDUIT</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. Rates to include closing of walls and make good. All material to be SABS approved and be suitable for conductors installation.				
17	25mm pvc	m	2100		-
18	32mm pvc	m	310		-
19	32mm bosal conduit	m	110		-
	<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:-				
20	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	30		-
21	Supply and installation of recessed mounted 15Amp, 230VAC, 2 - lever, 1 - way, white coloured, light circuit switch complete with cover and all accessories, must be chased in the wall	No	5		-
22	Supply and install surface mounted 16A, 230VAC, 3pin, Double Switched Socket Outlets, white coloured cover plate, chased in the wall	No	25		-
23	Supply and install 16A, 3pin, 2 pin, 230VSwitched Socket Outlets, white coloured cover plate, must be chased in the wall	No	40		-
24	Supply and install 20A, 1-pole, 230VAC surface mounted isolator, rated IP65 complete with all necessary accessories	No	4		-
	Supply and install weather-proof IP65 light switch, 230VAC surface mounted, complete with all necessary accessories.	No	6		-
Carried to Bill Summary				R	-

Section No. 3 Building Work
Bill No. 12
Electrical Work
Mashananandane SS School

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

Item No.		Unit	Quantity	Rate	Amount
	<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.				
25	100 x 100 x 50 mm	No	65		-
26	100 x 50 x 50 mm	No	35		-
	<u>LUMINAIRES AND SMALL POWER</u>				
	Supply, deliver, accept and store the following LED luminaires, complete with lamps, control gear, cable 1.5mm 3-core 1200mm long which are to be as specified.				
27	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	94		-
28	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	36		-
29	Type C1 - 80W / +/-10 000lm LED (4000k) Floodlight, rated IP65 with powder coating as per specification	No	12		-
30	Photo electric cell as per specification	No	7		-
	<u>SUNDRIES</u>				
	Signs, Labels & Equipment Tags				
31	Supply and install all power, lighting and earthing signs, labels and equipment tags as specified and in accordance with all Statutory requirements.	sum	1		-
32	Earthing and Bonding of all electrically connected Equipment and cable racking and supports as per Spec & regulations for all 2 building structures	sum	1		-
33	Labelling of light switches, sockets and isolators outlets, cables engraved or pop riveted to cover plate or similar as per drawing	sum	1		-
34	Supply of hard bound spiral folders containing commissioning / COC certificates, test results & operating & maintenance manuals for the LV equipment, cabling, light fittings, etc.	sum	1		-
	<u>CABLE SLEEVES</u>				
35	Supply, deliver and install the following UPVC flexible black ring sleeves, unless stated. All material to be SABS approved as suitable for cable installation. Must have 1,5mm draw wire.				
36	110 mm UPVC Flexible sleeves	m	180		-
	<u>EXCAVATIONS</u>				
	For all low voltage cables from existing Substation to DB room in Resident building.				
	Trenching shall be calculated using the formula below: (700mm deep * 0.3m wide * length)				
37	Excavate in concrete/tar and hard soil, backfilling and compaction to 93% MOD AASHTO and re-instate tar / concrete	m3	49		-
Carried to Bill Summary				R	-

Section No. 3 Building Work
Bill No. 12
Electrical Work
Mashananandane SS School

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

Item No.		Unit	Quantity	Rate	Amount
	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. The installation must comply with SANS 10313. Rates to include all necessary required accessories for a complete installation and Lightning protection result / certificate. Rate to include testing of lightning protection and issue of certificate per building.				
38	Classroom 1	sum	1		-
39	Classroom 2	sum	1		-
40	Classroom 3	sum	1		-
41	HOD Office and Kitchen	sum	1		-
42	Admin	sum	1		-
43	Guard House	sum	1		-
44	Ablutions	sum	3		-
	<u>TEST AND COMMISSIONING</u>				
	Test and commission the complete electrical installation including completion of quality checksheets, Compliance Certificates & test results and submitting them to the Employer's Representative.				
45	Test and Commission the complete electrical installation including Certificates & test results & COC to the Engineer.	sum	1		-
Carried to Bill Summary					R -

Section No. 3 Building Work
Bill No. 12
Electrical Work
Mashananandane SS School

ELECTRICAL WORK

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

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Section No. 3 Building Work
Bill No. 12
Electrical Work
Mashananandane SS School

Bill No.	SECTION NO.3 SUMMARY			Amount
1	Masonry	Page	R	-
2	Waterproofing	Page	R	-
3	Roof Coverings	Page	R	-
4	Carpentry and Joinery	Page	R	-
5	Ceilings, Partitioning, and Access Flooring	Page	R	-
6	Ironmongery	Page	R	-
7	Metalwork	Page	R	-
8	Plastering	Page	R	-
9	Plumbing and Drainage	Page	R	-
10	Glazing	Page	R	-
11	Paintwork	Page	R	-
12	Electrical Work	Page	R	-
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Section No. 3
Summary
Building Work
Mashananandane SS School

EXTERNAL WORKS

Section No. 4 External Works
Bill No. 1
Walkways
Mashananandane SS School

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

Item No.		Unit	Quantity	Rate	Amount
	<u>EARTH FILLING, ETC.</u>				
8	Earth filling supplied by the contractor under pavings, etc:	m3	27		-
	<u>Oversite of G7 material in accordance with SABS 1200 M compacted to 93 % Mod AASHTO density.</u>				
9	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:	m2	10		-
	<u>Under floors, pavings, ramps, etc.</u>				
10	Surface Preparation:	m2	360		-
	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.				
	<u>CONCRETE, FORMWORK & REINFORCEMENT</u>				
	<u>CONCRETE</u>				
11	Unreinforced 25Mpa/19mm Concrete:	m3	18		-
	Pavings cast in panels				
12	Finishing top surfaces of concrete smooth with a wood float:	m2	216		-
	Paving to falls.				
	<u>FORMWORK</u>				
13	Smooth Formwork (Degree of Accuracy II)	m	360		-
	Edges, risers, ends and reveals not exceeding 300mm high.				
	<u>MOVEMENT JOINTS ETC</u>				
	Expansion joints with low density (33kg/m ³), 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:				
14	Expansion joints in floors	m	108		-
	<u>REINFORCEMENT (PROVISIONAL)</u>				
15	Fabric reinforcement:				
	Type 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	360		-
Carried to Bill Summary				R	-

Carried to Bill Summary
Bill No. 1
Walkways
Mashananandane SS School

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

Item No.		Unit	Quantity	Rate	Amount
	<u>DAMPPROOFING OF WALLS AND FLOORS</u>				
16	One layer of 250 micron USB Green waterproof sheeting complying with SABS 952 Type C sealed at laps with Pressure Sensitive Tape:				
	Under surface beds.	m2	360		-
	<u>JOINT SEALANTS ETC.</u>				
17	Two part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc:				
18	10mm Expansion Joints not exceeding 300mm high with 10mm soft board and polysulhide or similar approved sealant	m	110		-
	10mm jointex or similar approved on apron and wall intersections not exceeding 300mm high complete with 15mm x 10mm polyurethane joint sealer.	m	110		-
19	<u>GRANOLITHIC</u>				
	Unitinted granolithic on concrete:				
	30mm Thick on floors and landings.	m2	65		-
Carried to Bill Summary					
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Section No. 4 External Works
Bill No. 1
Walkways
Mashananandane SS School

WALKWAYS

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

SECTION NO. 4 BILL NO. 1 SUMMARY

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Section No. 4 External Works
Bill No. 1
Walkways
Mashananandane SS School

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

EXTERNAL WORKS

Item No.		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 4</u>				
	<u>BILL NO. 2</u>				
	<u>STORMWATER DRAINAGE SYSTEM</u> <u>(PROVISIONAL)</u>				
	<u>PREAMBLES</u>				
	The Tenderer is referred to the relevant Clauses in the separate Standard Preambles of Trades hereunder attached.				
	<u>IN SITU CONCRETE CHANNELS FINISHED SMOOTH OFF THE MOULDS :</u>				
	<u>25Mpa/19mm Reinforced concrete</u>				
1	V Shaped stormwater channel 1200mm x 100mm thick at sides including steel trowel topping with Ref 395 cast into concrete at 1500mm lengths with construction joint in between, channel complete including preparing ground to receive channel, angles, intersections , formwork , etc	m	180		-
2	Extra over stormwater channels for dressing channels into sumps, discharge point and catchpit	No	10		-
3	<u>Spill basin:</u> Triangular shaped concrete spill basin, size 1,08m at head , 2,44m at base end and 1,21m along the sides, formed of 200mm thick concrete bottom with concrete upstand, size 200 x 200mm high along two sides and 200 x 200mm footing along base end, including all necessary excavation, formwork and backfilling, the top of the base inlaid with eleven hard burnt clay bricks protruding 55mm above the surface of the concrete and loose stones of 150 to 200mm diameter placed at the base of the spill basin for a width of 500mm.	No	1		-
Carried to Bill Summary					
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Section No. 4 External Works
Bill No. 2
Stormwater Drainage System
Mashananandane SS School

**DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL**

Item No.		Unit	Quantity	Rate	Amount
	<u>TANKS, ETC.</u>				
	'Jo-Jo':				
4	5 000 Litre water storage tank, size approximately 1800mm diameter x 2040mm high.	No	7		-
	<u>TAPS, VALVES, ETC.</u>				
5	20mm Type '108 RB' hose bibtap with hose union.	No	7		-
6	20mm Type '1090 Ball-o-flo' ballcock.	No	7		-
7	40mm Type '1090 Ball-o-flo' ballcock.	No	7		-
	<u>Miscellaneous:</u>				
8	Drinking fountain comprising 100 x 50 x 11mm hot dipped double spelter galvanised mild steel channel section frame 7,7m long with two mitred and welded corners, two 200 x 200 x 4mm base plates cast into and including 300 x 300 x 300mm 20MPa/19mm mass concrete footings, including excavation, 100mm thick 20MPa/19mm mass concrete slab, 2,25m long x 1m wide graded to falls to outlet with wood floated finish and fitted with and including 20mm galvanised mild steel pipe 2,3m long, including three bends, three tees, three bushes, and three 15mm " Star 111" chromium plated pillar taps, one 20mm brass in-line strainer with stainless steel double mesh strainer basket, one 20mm Class 8 brass fullway gate valve with non-rising spindle and guided wedge and one 20mm brass hose bib tap with lockshield, loose key and hose union, all as Detail DT88.	No	1		-
	<u>WATER TANK STANDS</u>				
	EARTHWORK				
	EXCAVATION				
9	Excavate in earth for trenches	m3	40		-
10	Earth filling compacted to 93% Mod AASHTO under bases	m3	24		-
11	50mm thick river sand bedding	m3	25		-
	<u>CONCRETE, FORMWORK, REINFORCING</u>				
	<u>20 MPa/19mm Concrete:</u>				
12	Strip footings	m3	28		-
13	Earth filling compacted to 93% Mod AASHTO under bases	m3	22		-
14	50mm thick river sand bedding	m3	23		-
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Section No. 4 External Works
Bill No. 2
Stormwater Drainage System
Mashananandane SS School

Item No.

Section No. 4 External Works
Bill No. 2
Stormwater Drainage System
Mashananandane SS School

SECTION NO. 4 BILL NO. 1 SUMMARY

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2	Stormwater	Page	78	R	-
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PROVISIONAL SUMS

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

Item No.		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 4</u>				
	<u>BILL NO. 3</u>				
	<u>PROVISIONAL SUMS</u>				
	<u>(PROVISIONAL)</u>				
	<u>Community Liason Officer</u>				
	Provide an amount of R100 000.00 (One hundred Thousand Rand) nett for Community Liason Officer's Salary to be omitted in part or whole as instructed by Principal Agent (R10 000 per month)	Item	1	100 000,00	100 000,00
1					
2	Add for profit upon above, if required.	Item			
3	Attend upon the above, if required.	Item			
	<u>Temporary Classrooms</u>				
4	Allow a budgetary amount of R1000 000.00 (One Million Rand) for the provision of Temporary Classrooms	Item	1	1 000 000,00	1 000 000,00
5	Allow for profit	Item			
6	Allow for attendance	Item			
	<u>Sundry building work</u>				
7	Provide the sum of R 140 000.00 (One and Forty Thousand Rand) for Sundries	Item	1	140 000,00	140 000,00
8	Allow for profit	Item			
9	Allow for attendance	Item			
	<u>AIA</u>				
10	Provide the sum of R 150 000.00 (One Hundred and Fifty Thousand Rand) for the provision of AIA	Item	1	150 000,00	150 000,00
11	Allow for profit	Item			
12	Allow for attendance	Item			
	MINIMUM TARGETED ENTERPRISE DEVELOPMENT				
	A provisional amount has been allowed for in the execution of this project as described in C3.1 Project Specifications.	PS		207 773.73	207 773.73
	The provisional amount allowed is for the appointment of training coordinator, mentor, training service providers and training of the beneficiary enterprises including monitoring and monthly reporting.				
13					
14	Allowance for profit all inclusive of associated costs to the contractor for implementation.	%			
15	Allowance for attendance all inclusive of associated costs to	%			
	Carried to Final Summary			R	-
	Section No. 4				
	Bill No. 2				
	Provisional Sum				
	External Works				

DEVELOPMENT BANK OF SOUTHERN AFRICA
ASBESTOS REPLACEMENT PROGRAM
MASHANANANDANE SS SCHOOL

FINAL SUMMARY					Amount	
1	Preliminaries	Page	34	R	-	
2	Foundations	Page	43	R	-	
3	Building Work	Page	75	R	-	
4	External Work	Page	84	R	-	
5	Provisional Sums	Page	85	R	-	
Sub-Total					-	
Add 5% Contingencies					-	
Subtotal					-	
Add15% VAT					-	
Carried to Form of Tender					R	-