

KZN SCHOOLS PROGRAMME:
NORTH COAST REGION: KING CETSHWAYO DISTRICT
STORM DAMAGE PROGRAMME: PHASE 17
MADLANKALA PRIMARY SCHOOL

Item No	Quantity	Rate	Amount
<u>SECTION NO. 1</u>			
<u>BILL NO. 1</u>			
<u>PRELIMINARIES (PROVISIONAL)</u>			
The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)			
<u>MEANING OF TERMS "TENDER / TENDERER"</u>			
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"			
<u>PRELIMINARIES</u>			
The JBCC Preliminaries Code 2103, May 2005 edition for use with the JBCC Principal Building Agreement Edition 4.1 Code 2101, March 2005 is taken to be incorporated herein. The tenderer is deemed to have referred to these documents for the full intent and meaning of each clause. These clauses are referred to by number and heading only. Where standard clauses or options are not applicable to the 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"			
<u>PRICING OF PRELIMINARIES</u>			
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			
Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities			
Carried Forward		R	
Section No. 1 Bill No. 1 Preliminaries (Provisional) SAKHISIZWE CONSORTIUM			

Brought Forward	R	
<u>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</u>		
<u>DEFINITIONS</u>		
A1.0 DEFINITIONS AND INTERPRETATION		
Clause 1.0 Clause 1.1 Definition of "Commencement Date" is added:		
COMMENCEMENT DATE means the date that the agreement, made in terms of the Form of Offer and Acceptance, comes into effect		
Clause 1.1 Definition of "Construction Guarantee" is amended by replacing it with the following:		
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		
Clause 1.1 Definition of "Construction Period" is amended by replacing it with the following:		
CONSTRUCTION PERIOD means the period commencing on the commencement date and ending on the date of practical completion		
Clause 1.1 Definition of "Corrupt Practice" is added:		
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		
Clause 1.1 Definition of "Fraudulent Practice" is added:		
Carried Forward	R	
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Brought Forward	R
<p>FRAUDULENT PRACTICE means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition</p> <p>Clause 1.1 Definition of "Interest" is amended by replacing it with the following:</p> <p>INTEREST means the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999)</p> <p>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>Clause 1.1 Definition of "Security" is amended by replacing it with the following:</p> <p>SECURITY means the form of security provided by the employer or contractor, as stated in the schedule, from which the contractor or employer may recover expense or loss</p> <p>Clause 1.6 is amended by replacing the words "prepaid registered post, telefax or e-mail" with "prepaid registered post or telefax"</p> <p>Clause 1.6.4 is amended by replacing it with the following:</p>	
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1	No clause Fixed:_____Value related:_____Time related:_____	Item		
	<u>OBJECTIVE AND PREPARATION</u>			
2	A2.0 OFFER, ACCEPTANCE AND PERFORMANCE Clause 2.0 Fixed:_____ Value related:_____Time related:_____	Item		
3	A3.0 DOCUMENTS Clause 3.0 Clause 3.2.1 is amended by replacing"14.1" with "14.0"Clause 3.7 is amended by the addition of the following: The contractor shall supply and keep a copy of the JBCC Series 2000 Principal Building Agreement and Preliminaries applicable to this contract on the site, to which the employer, principal agent and agents shall have access at all timesClause 3.10 is amended by replacing the second reference to "principal agent" with the word "employer" Fixed:_____ Value related:_____Time related:_____	Item		
4	A4.0 DESIGN RESPONSIBILITY Clause 4.0 Clause 4.3 is amended by replacing it with the following:No clause Fixed:_____ Value related:_____ Time related:_____	Item		
5	A5.0 EMPLOYER'S AGENTS Clause 5.0 Clause 5.1.2 is amended to include clauses 32.6.3, 34.3, 34.4 and 38.5.8 Fixed:_____Value related:_____ Time related:_____	Item		
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6	A6.0 SITE REPRESENTATIVE Clause 6.0 Fixed: _____ Value related: _____ Time related: _____	Item
7	A7.0 COMPLIANCE WITH REGULATIONS Clause 7.0 Note: A separate clause has been included in Section C: Specific Preliminaries of the bills of quantities / lump sum document for the contractor to have the opportunity to price for all the requirements of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification Fixed: _____ Value related: _____ Time related: _____	Item
8	A8.0 WORKS RISK Clause 8.0 Fixed: _____ Value related: _____ Time related: _____	Item
9	A9.0 INDEMNITIES Clause 9.0 Fixed: _____ Value related: _____ Time related: _____ A10.0 WORKS INSURANCES Clause 10.0 Clause 10.0 is amended by the addition of the following clauses:	Item
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Brought Forward	R
<p>10.5 Damage to the Works</p> <p>(a) Without in any way limiting the contractor's 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</p> <p>(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</p> <p>(c) The employer shall carry the risk of damage to or destruction of the works and materials paid for by the employer that is the result of the excepted risks as set out in 10.6</p> <p>(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</p> <p>10.6 Injury to Persons or loss of or damage to Properties</p> <p>(a) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the works unless due to any act or negligence of any person for whose actions the employer is legally liable</p>	
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<p>(b) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person, arising out of or in the course of or by reason of the execution of the works unless due to any act or negligence of any person for whose actions the employer is legally liable</p> <p>(c) The contractor shall, upon receiving a contract instruction from the principal agent, cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the employer shall be entitled to cause it to be made good and to recover the cost thereof from the contractor or to deduct the same from amounts due to the contractor</p> <p>(d) The contractor shall be responsible for the protection and safety of such portions of the premises placed under his control by the employer for the purpose of executing the works until the issue of the certificate of practical completion</p> <p>(e) Where the execution of the works involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the contractor shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the works has been completed</p> <p>(f) The contractor shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the works</p>	
Carried Forward	R
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Brought Forward	R
<p>10.7 High risk insurance</p> <p>In the event of the project being executed in a geological area classified as a "High Risk Area", that is an area which is subject to highly unstable subsurface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:</p> <p>10.7.1 Damage to the works</p> <p>The contractor shall, from the commencement date of the works until the date of the certificate of practical completion bear the full risk of and hereby indemnifies and holds harmless the employer against any damage to and/or destruction of the works consequent upon a catastrophic ground movement as mentioned above. The contractor shall take such precautions and security measures and other steps for the protection of the works as he may deem necessary</p> <p>When so instructed to do so by the principal agent, the contractor shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works, at the contractor's own costs</p> <p>10.7.2 Injury to persons or loss of or damage to property</p> <p>The contractor shall be liable for and hereby indemnifies and holds harmless the employer against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of, or caused by a catastrophic ground movement as mentioned above</p>	
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	<p>The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract</p> <p>10.7.3 It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the contractor's 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 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 contractor's 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>	Item	
11	<p>A11.0 LIABILITY INSURANCES</p> <p>Clause 11.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item	
12	<p>A12.0 EFFECTING INSURANCES</p> <p>Clause 12.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item	
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Brought Forward	R
A13.0	
No clause	
N/A	
A14.0 SECURITY	
Clause 14.0	
Clauses 14.1 - 14.8 are amended by replacing them with the following:	
14.1 In respect of contracts with a contract sum up to R1 million, the security to be provided by the contractor to the employer will be a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT)	
14.1.1 The payment reduction of the value certified in a payment certificate shall be mutatis mutandi in terms of 31.8(A)	
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 employer's entitlement shall take precedence over his obligations to refund the payment reduction security or portions thereof to the contractor	
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	
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<p>14.3 Where security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected:</p> <p>14.3.1 The contractor shall furnish the employer with a cash deposit equal in value to ten per cent (10%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date</p> <p>14.3.2 Within twenty-one (21) calendar days of the date of practical completion of the works the employer shall reduce the cash deposit to an amount equal to three per cent (3%) of the contract value (excluding VAT), and refund the balance to the contractor</p> <p>14.3.3 Within twenty-one (21) calendar days of the date of final completion of the works the employer shall reduce the cash deposit to an amount equal to one per cent (1%) of the contract value (excluding VAT) and refund the balance to the contractor</p> <p>14.3.4 On the date of payment of the amount in the final payment certificate, the employer shall refund the remainder of the cash deposit to the contractor</p> <p>14.3.5 The employer shall be entitled to recover expense and loss from the cash deposit in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof to the contractor</p> <p>14.3.6 The parties expressly agree that neither the employer nor the contractor shall be entitled to cede the rights to the deposit to any third party</p> <p>14.4 Where security as a variable construction guarantee of ten percent (10%) of the contract sum (excluding VAT) has been selected:</p>	
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<p>14.4.1 The contractor shall furnish the employer with an acceptable variable construction guarantee equal in value to ten per cent (10%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date</p> <p>14.4.2 The variable construction guarantee shall reduce and expire in terms of the Variable Construction Guarantee form included in the invitation to tender</p> <p>14.4.3 The employer shall return the variable construction guarantee to the contractor within fourteen (14) calendar days of it expiring</p> <p>14.4.4 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer shall issue a written demand in terms of the variable construction guarantee</p> <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 the last certificate of practical completion</p> <p>14.5.3 The employer shall return the fixed construction guarantee to the contractor within fourteen (14) calendar days of it expiring</p> <p>14.5.4 The payment reduction of the value certified in a payment certificate shall be in terms of 31.8 (A) and 34.8</p>	
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Brought Forward	R
<p>14.5.5 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer shall be entitled to issue a written demand in terms of the fixed construction guarantee or may recover from the payment reduction or may do both</p> <p>14.6 Where security as a cash deposit of five per cent (5%) of the contract sum (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT) has been selected:</p> <p>14.6.1 The contractor shall furnish the employer with a cash deposit equal in value to five per cent (5%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date</p> <p>14.6.2 Within twenty-one (21) calendar days of the date of practical completion of the works the employer shall refund the cash deposit in total to the contractor</p> <p>14.6.3 The payment reduction of the value certified in a payment certificate shall be mutatis mutandi in terms of 31.8(A)</p> <p>14.6.4 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer may issue a written notice in terms of 33.4 or may recover from the payment reduction or may do both</p> <p>14.7 Where security as a payment reduction of ten per cent (10%) of the value certified in the payment certificate (excluding VAT) has been selected:</p> <p>14.7.1 The payment reduction of the value certified in a payment certificate shall be mutatis mutandi in terms of 31.8(B)</p>	
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	<p>14.7.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the payment reduction or portions thereof to the contractor</p> <p>14.8 Payments made by the guarantor to the employer in terms of the fixed or variable construction guarantee shall not prejudice the rights of the employer or contractor in terms of this agreement</p>			
13	<p>14.9 Should the contractor fail to furnish the security in terms of 14.2, the employer, in his sole discretion and without notification to the contractor, is entitled to change the contractor's selected form of security to that of a ten per cent (10%) payment reduction of the value certified in the payment certificate (excluding VAT), whereafter 14.7 shall be applicable</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> <p><u>EXECUTION</u></p>	Item		
14	<p>A15.0 PREPARATION FOR AND EXECUTION OF THE WORKS</p> <p>Clause 15.0</p> <p>Clause 15.1.1 is amended by replacing it with: No clause Clause 15.1.2 is amended by replacing it with: The security selected in terms of 14.0</p> <p>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</p> <p>Clause 15.2.1 is amended by replacing it with the following clause:</p>	Item		
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15	Give the contractor possession of the site within ten (10) working days of the contractor complying with the terms of 15.1.4 Fixed:_____ Value related:_____ Time related:_____	Item		
16	A16.0 ACCESS TO THE WORKS Clause 16.0 Fixed:_____ Value related:_____ Time related:_____	Item		
17	A17.0 CONTRACT INSTRUCTIONS Clause 17.0 Clause 17.1.11 is amended by deleting the words "and the appointment of nominated and selected subcontractors" Fixed:_____ Value related:_____ Time related:_____	Item		
18	A18.0 SETTING OUT OF THE WORKS Clause 18.0 Fixed:_____ Value related:_____ Time related:_____	Item		
19	A19.0 ASSIGNMENT Clause 19.0 Fixed:_____ Value related:_____ Time related:_____	Item		
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	Brought Forward			R
20	<p>A20.0 NOMINATED SUBCONTRACTORS</p> <p>Clause 20.0</p> <p>Clause 20.1.3 is amended by replacing it with the following: No clause Note: See item B9.1 hereinafter for adjustment of attendance on nominated subcontractors executing work allowed for under provisional sums</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item		
21	<p>A21.0 SELECTED SUBCONTRACTORS</p> <p>Clause 21.0</p> <p>Clause 21 is amended by replacing it with: No clause</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item		
22	<p>A22.0 EMPLOYER'S DIRECT CONTRACTORS</p> <p>Clause 22.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item		
23	<p>A23.0 CONTRACTOR'S DOMESTIC SUBCONTRACTORS</p> <p>Clause 23.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> <p><u>COMPLETION</u></p>	Item		
24	<p>A24.0 PRACTICAL COMPLETION</p> <p>Clause 24.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item		
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25	<p>A25.0 WORKS COMPLETION</p> <p>Clause 25.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item
26	<p>A26.0 FINAL COMPLETION</p> <p>Clause 26.0</p> <p>Clause 26.1.2 is amended by inserting "#" next to 26.1.2</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item
27	<p>A27.0 LATENT DEFECTS LIABILITY PERIOD</p> <p>Clause 27.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item
28	<p>A28.0 SECTIONAL COMPLETION</p> <p>Clause 28.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item
29	<p>A29.0 REVISION OF DATE FOR PRACTICAL COMPLETION</p> <p>Clause 29.0</p> <p>Clause 29.2.5 is amended by replacing it with: No clause</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item
30	<p>A30.0 PENALTY FOR NON-COMPLETION</p> <p>Clause 30.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item
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<u>PAYMENT</u>	
A31.0 INTERIM PAYMENT TO THE CONTRACTOR	
Clause 31.0	
Clause 31.5.2 is amended by replacing "14.7.1" with "14.0"	
Clause 31.8 is amended by replacing it with the following two alternative clauses:	
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	
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	
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	<p>Alternative B</p> <p>31.8(B) Where security as a payment reduction in terms of 14.7 has been selected, the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:</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>		
31	<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>	Item	
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32	<p>A32.0 ADJUSTMENT TO THE CONTRACT VALUE</p> <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: "due to no fault of the contractor"</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
33	<p>A33.0 RECOVERY OF EXPENSE AND LOSS</p> <p>Clause 33.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
34	<p>A34.0 FINAL ACCOUNT AND FINAL PAYMENT</p> <p>Clause 34.0</p> <p>Clause 34.1 is amended by removing "#" next to 34.1 Clause 34.2 is amended by inserting "#" next to 34.2 Clause 34.8 is amended by deleting the words "where security as a fixed construction guarantee in terms of 14.4 has been selected or where payment reduction has been applied in terms of 14.7.1" Clause 34.13 is amended by replacing "seven (7) calendar days" with "twenty-one (21) calendar days" and deleting the words "subject to the employer giving the contractor a tax invoice for the amount due"</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
35	<p>A35.0 PAYMENT TO OTHER PARTIES</p> <p>Clause 35.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
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37	<p>Clause 37.0 is amended by the addition of the following clause: 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>A38.0 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT</p> <p>Clause 38.0</p> <p>Clause 38.5.4 is amended by replacing "ninety (90)" with "one hundred and twenty (120)" Clause 38.0 is amended by the addition of the following clause:</p>	Item	
38	<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>	Item	
39	<p>A39.0 CANCELLATION - CESSATION OF THE WORKS</p> <p>Clause 39.0</p> <p>Clause 39.3.5 is amended by the addition of the following at the end of the sentence: "within one hundred and twenty (120) working days of completion of such a report"</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item	
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	<u>B1.0 DEFINITIONS AND INTERPRETATION</u>			
42	B1.1 Definitions and interpretation See also clause A1.0 of Section A for additional and/or amended definitions which shall apply equally to this Section Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B2.0 DOCUMENTS</u>			
43	B2.1 Checking of documents Fixed: _____ Value related: _____ Time related: _____	Item		
44	B2.2 Provisional bills of quantities Fixed: _____ Value related: _____ Time related: _____	Item		
45	B2.3 Availability of construction documentation Fixed: _____ Value related: _____ Time related: _____	Item		
46	B2.4 Interests of agents Fixed: _____ Value related: _____ Time related: _____	Item		
47	B2.5 Priced documents Fixed: _____ Value related: _____ Time related: _____	Item		
48	B2.6 Tender submission Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer and Acceptance" Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B3.0 THE SITE</u>			
49	B3.1 Defined works area Fixed: _____ Value related: _____ Time related: _____	Item		
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	Brought Forward		R	
50	B3.2 Geotechnical investigation Fixed:_____ Value related:_____ Time related:_____	Item		
51	B3.3 Inspection of the site Fixed:_____ Value related:_____ Time related:_____	Item		
52	B3.4 Existing premises occupied Fixed:_____ Value related:_____ Time related:_____	Item		
53	B3.5 Previous work - dimensional accuracy Fixed:_____ Value related:_____ Time related:_____	Item		
54	B3.6 Previous work - defects Fixed:_____ Value related:_____ Time related:_____	Item		
55	B3.7 Services - known Fixed:_____ Value related:_____ Time related:_____	Item		
56	B3.8 Services - unknown Fixed:_____ Value related:_____ Time related:_____	Item		
57	B3.9 Protection of trees Fixed:_____ Value related:_____ Time related:_____	Item		
58	B3.10 Articles of value Fixed:_____ Value related:_____ Time related:_____	Item		
59	B3.11 Inspection of adjoining properties Fixed:_____ Value related:_____ Time related:_____	Item		
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	Brought Forward		R	
	<u>B4.0 MANAGEMENT OF CONTRACT</u>			
60	B4.1 Management of the works Fixed:_____ Value related:_____ Time related:_____	Item		
61	B4.2 Programme for the works Fixed:_____ Value related:_____ Time related:_____	Item		
62	B4.3 Progress meetings Fixed:_____ Value related:_____ Time related:_____	Item		
63	B4.4 Technical meetings Fixed:_____ Value related:_____ Time related:_____	Item		
64	B4.5 Labour and plant records Fixed:_____ Value related:_____ Time related:_____	Item		
	<u>B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u>			
65	B5.1 Samples of materials Fixed:_____ Value related:_____ Time related:_____	Item		
66	B5.2 Workmanship samples Fixed:_____ Value related:_____ Time related:_____	Item		
67	B5.3 Shop drawings Fixed:_____ Value related:_____ Time related:_____	Item		
68	B5.4 Compliance with manufacturers' instructions Fixed:_____ Value related:_____ Time related:_____	Item		
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	Brought Forward		R	
	<u>B6.0 TEMPORARY WORKS AND PLANT</u>			
69	B6.1 Deposits and fees			
	Fixed:_____ Value related:_____ Time related:_____	Item		
70	B6.2 Enclosure of the works			
	Fixed:_____ Value related:_____ Time related:_____	Item		
71	B6.3 Advertising			
	Fixed:_____ Value related:_____ Time related:_____	Item		
72	B6.4 Plant, equipment, sheds and offices			
	Fixed:_____ Value related:_____ Time related:_____	Item		
73	B6.5 Main notice board			
	Fixed:_____ Value related:_____ Time related:_____	Item		
74	B6.6 Subcontractors' notice board			
	Fixed:_____ Value related:_____ Time related:_____	Item		
	<u>B7.0 TEMPORARY SERVICES</u>			
75	B7.1 Location			
	Fixed:_____ Value related:_____ Time related:_____	Item		
76	B7.2 Water			
	Fixed:_____ Value related:_____ Time related:_____	Item		
77	B7.3 Electricity			
	Fixed:_____ Value related:_____ Time related:_____	Item		
78	B7.4 Telecommunication facilities			
	Fixed:_____ Value related:_____ Time related:_____	Item		
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Brought Forward		R
79	B7.5 Ablution facilities	
	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>B8.0 PRIME COST AMOUNTS</u>	
80	B8.1 Responsibility for prime cost amounts	
	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>B9.0 ATTENDANCE ON N/S SUBCONTRACTORS</u>	
81	B9.1 General attendance	
	Fixed: _____ Value related: _____ Time related: _____	Item
82	B9.2 Special attendance	
	Fixed: _____ Value related: _____ Time related: _____	Item
83	B9.3 Commissioning - fuel, water and electricity	
	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>B10.0 FINANCIAL ASPECTS</u>	
84	B10.1 Statutory taxes, duties and levies	
	Fixed: _____ Value related: _____ Time related: _____	Item
85	B10.2 Payment for preliminaries	
	Fixed: _____ Value related: _____ Time related: _____	Item
86	B10.3 Adjustment of preliminariesClauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) working days of taking possession of the site" with "when submitting his priced bills of quantities / lump sum document"	
	Fixed: _____ Value related: _____ Time related: _____	Item
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	Brought Forward		R
87	B10.4 Payment certificate cash flow Fixed:_____ Value related:_____ Time related:_____	Item	
	<u>B11.0 GENERAL</u>		
88	B11.1 Protection of the works Fixed:_____ Value related:_____ Time related:_____	Item	
89	B11.2 Protection / isolation of existing / sectionally occupied works Fixed:_____ Value related:_____ Time related:_____	Item	
90	B11.3 Security of the works Fixed:_____ Value related:_____ Time related:_____	Item	
91	B11.4 Notice before covering work Fixed:_____ Value related:_____ Time related:_____	Item	
92	B11.5 Disturbance Fixed:_____ Value related:_____ Time related:_____	Item	
93	B11.6 Environmental disturbance Fixed:_____ Value related:_____ Time related:_____	Item	
94	B11.7 Works cleaning and clearing Fixed:_____ Value related:_____ Time related:_____	Item	
95	B11.8 Vermin Fixed:_____ Value related:_____ Time related:_____	Item	
96	B11.9 Overhand work Fixed:_____ Value related:_____ Time related:_____	Item	
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97	B11.10 Instruction manuals and guarantees Fixed:_____ Value related:_____ Time related:_____	Item		
98	B11.11 As built information Fixed:_____ Value related:_____ Time related:_____	Item		
99	B11.12 Tenant installations Fixed:_____ Value related:_____ Time related:_____	Item		
	<u>B12.0 SCHEDULE OF VARIABLES</u>			
100	B12.1 Schedule of variables Fixed:_____ Value related:_____ Time related:_____ <p>This schedule contains all variables referred to in this document and is divided into pre-tender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of these Preliminaries</p> <p>Spaces requiring information must be filled in, shown as "not applicable" or deleted and not left blank. Where choices are offered, the non-applicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross-referenced to the applicable clause of the schedule. Key cross reference clauses are italicised in [] brackets</p> <p>12.1 PRE-TENDER INFORMATION</p> <p>12.1.1 Provisional bills of quantities [2.2] The quantities are provisional</p> <p>12.1.2 Availability of construction documentation [2.3] Construction documentation is complete</p> <p>12.1.3 Interests of agents [2.4] Details:</p>	Item		
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12.1.4 Defined works area [3.1] Details:		
12.1.5 Geotechnical investigation [3.2] Details:		
12.1.6 Existing premises occupied [3.4] Specific requirements:		
12.1.7 Previous work - dimensional accuracy [3.5] Details:		
12.1.8 Previous work - defects [3.6] Details:		
12.1.9 Services - known [3.7] Details:		
12.1.10 Protection of trees [3.9] Specific requirements:		
12.1.11 Inspection of adjoining properties [3.11] Specific requirements:		
12.1.12 Enclosure of the works [6.2] Specific requirements:		
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		
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<p>12.1.14 Main notice board [6.5] Specific requirements: The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3m 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</p> <p>12.1.15 Subcontractors' notice board [6.6] A notice board is required</p> <p>12.1.16 Water [7.2] Option A (by contractor) YES / NO Option C (by employer - metered) YES / NO</p> <p>12.1.17 Electricity [7.3] Option A (by contractor) YES / NO Option C (by employer - metered) YES / NO</p> <p>12.1.18 Telecommunications [7.4] Telephone YES/NO Facsimile YES/NO E-mail YES/NO</p> <p>12.1.19 Ablution facilities [7.5] Option A (by contractor) YES/NO</p> <p>12.1.20 Protection of existing/sectionally occupied works [11.2] Protection is required</p>	
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<p align="center">Brought Forward</p> <p>12.1.21 Special attendance [9.2]</p> <p>Subcontractor (1) details:</p> <p>Subcontractor (2) details:</p> <p>Subcontractor (3) details:</p> <p>12.1.22 Protection of the works [11.1] Specific requirements:</p> <p>12.1.23 Disturbance [11.5] Specific requirements: The contractor shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the principal agent</p> <p>12.1.24 Environmental disturbance [11.6] Specific requirements:</p> <p>12.2 POST-TENDER INFORMATION</p> <p>12.2.1 Payment of preliminaries [10.2] Option A (prorated) Option B (calculated) YES/NO</p> <p>12.2.2 Adjustment of preliminaries [10.3] Option A (three categories) YES/NO</p> <p>12.2.3 Additional agreed preliminaries items Details:</p> <p><u>SECTION C: SPECIFIC PRELIMINARIES</u></p> <p>Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item</p>	<p align="center">Carried Forward</p>	<p align="center">R</p>
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101	<p>C1.0 CONTRACT DRAWINGS*</p> <p>Select relevant paragraph and delete whichever is not applicable depending on whether the contract is based on a bills of quantities or lump sum document* 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* A full set of drawings is issued with the tender documents indicating the full scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed Should any part of the drawings not be clearly understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>			
		Item		
102	<p>C2.0 GENERAL PREAMBLES</p> <p>The document "Model Preambles of Trades (2017 Edition) is obtainable on the Association of South African Quantity Surveyors (ASAQS) website (http://www.asaqs.co.za/ under "Online Electronic Documents"), and shall be read in conjunction with the bills of quantities / lump sum document 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>			
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103	C3.0 TRADE NAMES Wherever a trade name for any product has been described in the bills of quantities / lump sum document, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders. If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for. Fixed: _____ Value related: _____ Time related: _____	Item		
104	C4.0 IMPORTED MATERIALS AND EQUIPMENT 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 DPW-23(EC) to be completed by tenderer) Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable). Fixed: _____ Value related: _____ Time related: _____	Item		
105	C5.0 VIEWING THE SITE IN SECURITY AREAS 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. Fixed: _____ Value related: _____ Time related: _____	Item		
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106	<p>C6.0 COMMENCEMENT OF WORKS IN SECURITY AREAS</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>	Item			
107	<p>C7.0 ENTRANCE PERMITS TO SECURITY AREAS</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 Defence Force, Police or chief security officer</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item			
108	<p>C8.0 SECURITY CHECK OF PERSONNEL</p> <p>The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified 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>	Item			
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109	<p>C9.0 PROHIBITION ON TAKING OF PHOTOGRAPHS</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 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		
110	<p>C10.1 AWARENESS CHAMPION</p> <p>Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item		
111	<p>C10.2 AWARENESS WORKSHOPS</p> <p>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</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item		
112	<p>C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.</p> <p>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</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item		
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115	<p>C11.0 OCCUPATIONAL HEALTH AND SAFETY ACT</p> <p>The contractor shall comply with all the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the 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 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	
116	<p>C11.1 NOTIFICATION OF CONSTRUCTION WORK (Construction Regulation 3)</p> <p>The Contractor shall, before commencing work, notify the Department of Labour of the intended construction work in terms of Regulation 3. The Contractor shall submit the notification in writing, on the appropriate form, prior to commencement of work</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>		Item	
	Carried Forward			R
	<p>Section No. 1 Bill No. 1 Preliminaries (Provisional) SAKHISIZWE CONSORTIUM</p>			

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	Brought Forward		R	
117	<p>C11.2 HEALTH AND SAFETY PLAN (Construction Regulation 5.4)</p> <p>The Contractor shall provide and demonstrate to the Principal Agent a suitable and sufficiently documented health and safety plan based on the Act, Construction Regulations and the health and safety specification, which shall be applied from the date of commencement of and for the duration of the construction work. The Contractor shall ensure that a copy of the health and safety plan is available on request to an employee, inspector, sub contractor or principal agent all in terms of Regulation 5</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item		
118	<p>C11.3 REGISTRATION WITH THE COMPENSATION FUND (Construction Regulation 5.3 f)</p> <p>The Contractor shall provide proof of his registration and good standing with the Compensation Fund or a licensed compensation insurer prior to the commencement of work</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item		
119	<p>C11.4 HEALTH AND SAFETY FILE (Construction Regulation 5.7)</p> <p>The Contractor shall ensure that a health and safety file, which shall include all documentation required in terms of the health and safety specification, the Act and the Construction Regulations, is opened and kept on site and made available to the Principal Agent or Inspector upon request. Upon completion of the works, the Contractor shall hand over a consolidated health and safety file to the principal agent</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 Preliminaries (Provisional) SAKHISIZWE CONSORTIUM</p>			

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	Brought Forward			R
120	<p>C11.5 SUPERVISION OF CONSTRUCTION WORK (SAFETY OFFICER) (Construction Regulation 6)</p> <p>The Contractor shall appoint a full-time competent employee in writing as the construction supervisor, with the duty of supervising the construction work. The Contractor shall appoint a full-time or part-time construction safety officer in writing to assist in the control of all safety related aspects on the site. Such appointments are required to ensure that at all times the requirements of the Act and Construction Regulations are adhered to. Refer to Regulation 6</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item		
121	<p>C11.6 RISK ASSESSMENT AND SAFETY POLICY (Construction Regulation 7)</p> <p>Before commencing work the Contractor shall cause a risk assessment to be performed by a competent person appointed in writing and the risk assessment shall form part of the health and safety plan. A copy of the risk assessment shall be available on site at all times for inspection. The Contractor shall at all time carry out the works in a manner to avoid the risk of bodily harm to persons or risk of damage to any property. He shall take all precautions regarding training of employees in any hazards and the related work procedures, health and safety induction training of employees, visitors or any other persons entering the site and provide personal protective equipment to all employees and visitors to site which are necessary and adequate to eliminate any conditions which contribute to the risk of injury to persons or damage to property in terms of Regulation 7</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item		
	Carried Forward			R
	<p>Section No. 1 Bill No. 1 Preliminaries (Provisional) SAKHISIZWE CONSORTIUM</p>			

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	Brought Forward		R	
122	<p>C11.7 SIGNIFICANT HAZARDS IDENTIFICATION RISK ASSESSMENT PREPARED BY THE DESIGN CONSULTANTS</p> <p>The contractor shall allow for additional financial provision, if any, to take the necessary precautions regarding the significant hazards and risks identified and assessed by the design consultants</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item		
123	<p>C11.8 ADDITIONAL FINANCIAL PROVISION</p> <p>The Contractor shall allow for additional financial provision, if any, to comply with the requirements of the Occupational Health and Safety Act (Act No 85 of 1993) and the Construction Regulations issued there under which have not been specifically elsewhere provided</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item		
124	<p>C11.9 FALL PROTECTION PLAN (Construction Regulation 8)</p> <p>The contractor shall, before commencing any construction work submit a fall protection plan identified all steps to be taken in order to ensure the continued adherence to the fall protection plan and shall include a risk assessment of all work carried out from an relevant position. The fall protection plan shall form part of the health and safety plan and file</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item		
125	<p>C11.10 PHYSICAL AND PSYCHOLOGICAL FITNESS (Construction Regulation 8.2(b))</p> <p>The contractor and sub-contractors shall before commencing any construction work submit proof of his employees that shall carried out work from an elevated position their physical and psychological fitness. And shall be recorded in the health and safety file</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 Preliminaries (Provisional) SAKHISIZWE CONSORTIUM</p>			

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	Brought Forward		R
126	<p>C11.11 CONSTRUCTION VEHICLES AND MOBILE PLANT (Construction Regulation 21)</p> <p>The contractor and sub-contractors shall ensure that all operated workers received training and been certified competent to operate such vehicle, and are physical and psychological fit to operate such construction vehicles and mobile plants. And shall be recorded in the health and safety file</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item	
127	<p>C11.12 TRAINING (Construction Regulation 8 (c))</p> <p>The contractor and sub-contractors shall, before commencing any construction work, submit his training program of all his employees. This program shall form part of the health and safety plan</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item	
128	<p>C11.13 DEMOLITION WORK (Construction Regulation 12)</p> <p>The contractor shall, before any demolition work shall carried out, submit all method of demolition to be used. This method shall form part of the health and safety plan and file.</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item	
129	<p>C11.14 REMOVAL AND DISPOSAL OF ASBESTOS MATERIAL (Asbestos Regulation)</p> <p>The principle contractor shall appoint a contractor that is registered with the Department of Labour as an AIA. The contractor must allow for; NOTIFICATION OF ASBESTOS PROCESSING PERSONAL PROTECTIVE EQUIPMENT PACKAGING AND TRANSPORT AND STORAGE TO DISPOSAL SITE DEMOLITION WORK OF SHEETS LABELLING AND INFORMATION</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Bill No. 1 Preliminaries (Provisional) SAKHISIZWE CONSORTIUM</p>		

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Item No	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 1</u></p> <p><u>ALTERATIONS AND DEMOLITIONS (PROVISIONAL)</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>Taking Out and Removal of Asbestos</u></p> <p>Taking out and removing asbestos roof, gutters, underlay, fibreglass, downpipes, etc. must be in strict accordance with health and occupational safety regulations and a specialist firm must be contracted to dispose of the material and the required asbestos safe disposal certificates must be provided after disposal to the Principal Agent</p>			
<p style="text-align: right;">Carried Forward</p>			<p style="text-align: center;">R</p>
<p>Section No. 2 Bill No. 1 Alterations and Demolitions (Provisional) SAKHISIZWE CONSORTIUM</p>			

Brought Forward	R
<p><u>General</u></p> <p>Descriptions of taking out shall be deemed to include carting away from site to a dump ground to be found by the contractor</p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent</p> <p>Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of blockwork</p> <p>Making good of finishes shall include making good of the block and concrete surfaces onto which the new finishes are applied, where necessary</p>	
Carried Forward	R
<p>Section No. 2 Bill No. 1 Alterations and Demolitions (Provisional) SAKHISIZWE CONSORTIUM</p>	

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Brought Forward					R
<p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p>The Contractor to acknowledge that sequencing of the work will be necessary to accomodate the operational aspects of the school. The Contractor to accordingly factor the above requirement in the construction programme and pricing</p> <p><u>TEMPORARY BARRICADES, SCREENS, ETC</u></p> <p><u>Temporary barricades, screens, roofs, etc including removal</u></p>					
1	1,8m High standard gumpole, GMS mesh and shade cloth fence hoarding, with all materials securely fixed to each other, around buildings under construction (externally), including all necessary gates, etc., installation and rotation of the temporary protection throughout the contract period as per the construction program	m	120		
2	Allow for covering and maintaining existing roofs in a watertight condition during alterations by means of uPVC underlay or tarpaulin protection, properly secured and maintained in position for the approval of the Employer and make good all work damaged or disturbed after completion, approximately 576m ² (Block D)		Item		
Carried Forward					R
<p>Section No. 2 Bill No. 1 Alterations and Demolitions (Provisional) SAKHISIZWE CONSORTIUM</p>					

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Brought Forward			R
<p>Note: It is envisaged that the uPVC underlay or tarpaulin protection will be removed and re-used on all blocks that have roof repairs/replacement on this project. Hence, it is expected that the uPVC underlay or tarpaulin protection planning will follow the scheduled programme for the repairs/replacement of roofs and the Contractor to sequence the execution of same in a logical manner. The Contractor to price for the largest roof structure and thereafter include a cost of the removal and re-use of the uPVC underlay or tarpaulin protection for the balance of the roof structures.</p>			
<u>REMOVAL OF EXISTING WORK</u>			
<u>Breaking up and removing reinforced concrete, including cutting off and removing reinforcement</u>			
3	100mm Thick reinforced concrete surface bed (walkway)	m2	253
4	150mm Thick reinforced concrete surface bed	m2	199
5	2500 x 2500 x 300mm High mass concrete JoJo tank stand	No	5
<u>Breaking down and removing brickwork, etc</u>			
6	Half brick wall in beamfilling	m2	162
<u>Taking out and removing doors, windows, etc from brickwork to remain</u>			
7	Timber single door and steel door frame 900 x 2100mm high overall	No	9
8	Glazed steel window overall size 1000 x 1200mm high	No	42
Carried Forward			R
Section No. 2 Bill No. 1 Alterations and Demolitions (Provisional) SAKHISIZWE CONSORTIUM			

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Brought Forward			R
<u>Taking down and removing roofs, floors, panelling ceilings, partitions, etc completely (new work elsewhere measured) including carting away</u>			
9	Asbestos roof sheeting including timber purlins and provision of a certificate of safe disposal for asbestos and weighbridge receipt	m2	1 120
10	Asbestos roof sheeting including timber roof trusses, purlins, underlay, etc complete and the provision of a certificate of safe disposal for asbestos and weighbridge receipt	m2	568
11	Asbestos roof sheeting including timber roof rafters, purlins, underlay, etc complete and the provision of a certificate of safe disposal for asbestos and weighbridge receipt	m2	180
12	Isolated plate nailed roof trusses overall size 9,10 long x 1,750m high (Trusses to be identified by Engineer prior to removal)	No	26
13	Fibre cement fascia boards and fixings	m	63
14	Fibre cement barge boards and fixings	m	22
15	uPVC rainwater gutters and fixings	m	63
16	uPVC rainwater downpipes and fixings	m	24
<u>Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc and preparing screeds for new floor coverings (measured elsewhere)</u>			
17	Vinyl tile floor covering	m2	231
<u>Taking out and removing ironmongery</u>			
18	Mortice lockset from timber door	No	15
19	132mm Brass window handles L/H and R/H	No	84
Carried Forward			R
Section No. 2 Bill No. 1 Alterations and Demolitions (Provisional) SAKHISIZWE CONSORTIUM			

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Brought Forward			R
20	175mm Brass plated sliding stay	No	84
<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc (elsewhere measured)</u>			
21	25mm Screed from floors	m2	1 169
22	Internal plaster from walls	m2	250
23	External plaster from walls	m2	250
<u>Hacking up/off and removing ceramic tiles including removing mortar bed or adhesive from concrete and preparing surfaces for new screed (elsewhere measured)</u>			
24	Tiles to floors	m2	218
25	Tile skirting 100mm high	m	33
<u>Taking out and removing piping, sanitary fittings, etc, including cutting off as necessary, disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>			
26	Vitreous china WC pan with cistern, including short lengths of piping, etc	No	15
27	Vitreous china wash hand basin, including short lengths of piping, etc	No	5
<u>Taking out and removing glass, mirror, etc</u>			
28	Glass from steel windows including cleaning out rebates and preparing for new glass (elsewhere measured)	m2	93
Carried Forward			R
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	Brought Forward			R
	<u>Repairs to structural cracks, etc</u>			
29	Rake out existing major structural crack in brickwork, remove all debris/loose material including embedding steel rods, cutting or drilling slots (60mm deep) in brickwork at 250mm centres to embed 8mm mild steel bars fixed between mortar joints with injected epoxy resin	m	50	
	<u>TEMPORARY ACCOMODATION</u>			
	<u>Provide temporary accommodation units (park homes) for Educational Facilities during construction in phases as herewith measured including levelling of area, positioning on site and connecting electrical supply including issue of electrical compliance certificate where applicable. Park homes to be 7 x 7m DOE approved classroom size</u>			
30	Rental of temporary accommodation approximate size 7 x 7m wide, including standard windows, burglar bars, curtains and tracks, two tier steps for access, light fittings, transportation and establishment on site and de-establishment on completion for a period of seven (7) calendar months	No	16	
	<u>TEMPORARY ABLUTIONS</u>			
31	Rental of temporary chemical mobile toilets including transportation and establishment on site and de-establishment on completion for a period of 7 calendar months. Rental to include weekly cleaning and sanitisation of the temporary chemical mobile toilets and any other prescribed maintenance for a period of seven (7) calendar months	No	12	
	Carried to Final Summary of Section No. 2			R
	Section No. 2			
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Item No	Quantity	Rate	Amount
<u>SECTION NO. 2</u>			
<u>BILL NO. 2</u>			
<u>NEW WORK TO EXISTING BUILDINGS</u>			
The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)			
<u>EARTHWORKS (PROVISIONAL)</u>			
<u>EXCAVATION, FILLING, ETC. OTHER THAN BULK</u>			
<u>Excavation in earth not exceeding 2m deep</u>			
1	Reduced levels under floors	m3	30
<u>Extra over all excavations for carting away</u>			
2	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m3	30
<u>Keeping excavations free of water</u>			
3	Keeping excavations free of all water other than subterranean water	Item	
<u>FILLING ETC</u>			
<u>Earth filling supplied by the contractor under floors, etc</u>			
4	150mm G5 Material in accordance with SABS 1200 DM compacted to 98% Mod. AASHTO density	m3	30
Carried Forward			R
Section No. 2 Bill No. 2 New Work to Existing Buildings (Provisional) SAKHISIZWE CONSORTIUM			

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Brought Forward			R
<u>Compaction of surfaces</u>			
5	Compaction of ground surface under floors, etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 98% Mod. AASHTO density	m2	199
6	Compaction of ground surface under floors, etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 98% Mod. AASHTO density (walkway)	m2	253
<u>Prescribed density tests on filling</u>			
7	"Modified AASHTO Density" test	No	3
8	"Field Density" test including "Optimum Moisture Content" (four readings per test)	No	3
<u>SOIL POISONING</u>			
<u>Soil Insecticide in accordance with SANS 5859</u>			
9	Under floors, etc. including forming and poisoning shallow furrows against foundation walls, etc., filling in furrows and ramming	m2	199
10	Under floors, etc. including forming and poisoning shallow furrows against foundation walls, etc., filling in furrows and ramming (walkway)	m2	253
<u>CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)</u>			
<u>REINFORCED CONCRETE</u>			
<u>25MPa/19mm Concrete</u>			
11	Surface beds cast in panels	m3	30
12	Surface beds cast in panels (walkway)	m3	25
Carried Forward			R
Section No. 2 Bill No. 2 New to Existing Buildings (Provisional) SAKHISIZWE CONSORTIUM			

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Brought Forward			R
<u>TEST BLOCKS</u>			
<u>Test blocks</u>			
13	Prepare a set of six concrete cubes each cube size 150 x 150 x 150mm for strength cubes and deliver to an approved laboratory for testing and pay all charges in connection therewith	Sets	3.00
<u>CONCRETE SUNDRIES</u>			
<u>Finishing top surfaces of concrete smooth with power float</u>			
14	Surface beds, slabs, etc	m2	199
15	Surface beds, slabs, etc (walkway)	m2	253
<u>"Prostruct 617" or equal and approved</u>			
16	Apply general purpose epoxy adhesive, grouted into existing brickwork, 10mm deep x 8mm wide to secure rebar (elsewhere measured)	m	50
<u>ROUGH FORMWORK (DEGREE OF ACCURACY III) (PROVISIONAL)</u>			
<u>Rough Formwork to Sides</u>			
17	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	316
<u>MOVEMENT JOINTS, ETC</u>			
<u>Expansion joints with 10mm polystyrene between vertical concrete and brick surfaces</u>			
18	10mm Joints not exceeding 300mm high	m	84
<u>Saw-cut joints</u>			
19	3 x 40mm Saw-cut joints in top of concrete	m	30
Carried Forward			R
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	Brought Forward			R
	<u>REINFORCEMENT (PROVISIONAL)</u>			
	<u>Mild steel reinforcement to repairs to existing structural crack</u>			
20	8mm Diameter bars	t	0.07	
	<u>Fabric reinforcement</u>			
21	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	199	
22	Type 193 fabric reinforcement in concrete surface beds, slabs, etc (walkway)	m2	253	
	<u>MASONRY (PROVISIONAL)</u>			
	<u>SUPERSTRUCTURE BRICKWORK</u>			
	<u>Brickwork of NFP bricks in class II mortar</u>			
23	Half brick wall in beamfilling	m2	162	
	<u>BRICKWORK SUNDRIES</u>			
	<u>Brickwork reinforcement</u>			
24	75mm Wide reinforcement built in horizontally	m	627	
	<u>Prestressed fabricated lintels</u>			
25	90 x 115mm Lintels in lengths not exceeding 3m	m	50	
	<u>Galvanised hoop iron cramps, ties, etc</u>			
26	30 x 1.6mm galvanised hoop iron strap 610mm long built horizontally into brickwork	No	300	
	<u>WATERPROOFING (PROVISIONAL)</u>			
	<u>DAMP-PROOFING OF WALLS AND FLOORS</u>			
	Carried Forward			R
	Section No. 2			
	Bill No. 2			
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Section No. 2
Bill No. 2
New Work to Existing Buildings (Provisional)
SAKHISIZWE CONSORTIUM

Brought Forward			R
<u>PREFABRICATED TIMBER ROOF TRUSSES, ETC</u>			
NOTE:			
Timber roof trusses are to comply with SABS Code of Practice 0243. (The design, manufacture and erection of timber trusses, including nail-plated and bolted trusses with lapped members).			
The following is applicable in respect of roof trusses:			
Trusses are at maximum 1200mm centres. Roof covering is IBR profiled metal sheeting colour one side on 50 x 76mm purlins. Ceilings are nailed gypsum plasterboard on brandering.			
The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained from site before design or fabrication commences.			
<u>Plate nailed timber roof truss construction</u>			
36	Design, supply and install roof truss system complete in accordance with the Standard Building Regulations, including cross battens at hips, valleys, etc. fixed to trusses with and including ring shank nails, hurricane clips at exposed sections and at ridges, temporary and permanent bracing, etc. to suit roof area approximate size 269m2 (on flat floor area inclusive of overhangs, etc.) - Block I	Item	
37	Design, supply and install roof truss system complete in accordance with the Standard Building Regulations, including cross battens at hips, valleys, etc. fixed to trusses with and including ring shank nails, hurricane clips at exposed sections and at ridges, temporary and permanent bracing, etc. to suit roof area approximate size 299m2 (on flat floor area inclusive of overhangs, etc.) - Block H	Item	
Carried Forward			R
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	Brought Forward			R
38	Design, supply and install isolated roof trusses in accordance with the Standard Building Regulations, including cross battens at hips, valleys, etc. fixed to trusses with and including ring shank nails, temporary and permanent bracing, etc. overall length of truss is 9,10m long with a height of 1,75m - Block - C (Pitch not exceeding 25 degrees)	No	5	
39	Design, supply and install isolated roof trusses in accordance with the Standard Building Regulations, including cross battens at hips, valleys, etc. fixed to trusses with and including ring shank nails, temporary and permanent bracing, etc. overall length of truss is 9,10m long with a height of 1,75m - Block - E (Pitch not exceeding 25 degrees)	No	8	
40	Design, supply and install isolated roof trusses in accordance with the Standard Building Regulations, including cross battens at hips, valleys, etc. fixed to trusses with and including ring shank nails, temporary and permanent bracing, etc. overall length of truss is 9,40m long with a height of 1,75m - Block - D (Pitch not exceeding 25 degrees)	No	13	
41	Allowance for the issue of TR1 and TR2 certificates after completion of entire roof installation, signed by a competent person		Item	
	<u>ROOFS ETC</u>			
	<u>Sawn softwood</u>			
42	38 x 114mm Bolted wall plates	m	349	
43	76 x 50mm Purlins	m	2 027	
44	76 x 228mm Rafters	m	98	
45	76 x 114mm False timber rafter fixed onto truss for barge boards	m	590	
	<u>SUNDRIES</u>			
	Carried Forward			R
	Section No. 2 Bill No. 2 New Work to Existing Buildings (Provisional) SAKHISIZWE CONSORTIUM			

KZN SCHOOLS PROGRAMME:
NORTH COAST REGION: KING CETSHWAYO DISTRICT
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MADLANKALA PRIMARY SCHOOL

Brought Forward			R
<u>Hurricane clips fixed to timber purlins and trusses</u>			
46	Hurricane clips	No	13 680
<u>EAVES, VERGES, ETC</u>			
<u>"Pressed Nutec" or other approved fibre cement boards</u>			
47	12mm x 225mm Fascia boards including aluminium H-profile fascia joiners fixed with galvanised screws and washers	m	428
48	10 x 80 x 200mm Barge boards including H profile jointing strips	m	162
<u>DOORS, ETC</u>			
<u>"Wrought Meranti" or other approved doors</u>			
49	40mm Framed, ledged and braced battened door size 813 x 2032mm high of 40 x 110mm wide top rail and stiles, 20 x 150mm middle ledge, 20 x 225mm bottom ledge and 20 x 110mm braces	No	9
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)</u>			
<u>NAILED UP CEILINGS</u>			
<u>9,5mm 'Rhinoboard' or other approved M-Strip ceiling fixed print side up to new/existing brandering with 32mm galvanised clout nails or 32mm grabber screws at 150mm centres with plastic 'M-Strip' cover strips over joints with all nail or screw heads stopped and sanded level, all in strict accordance with the manufacturer's instructions</u>			
50	Ceilings including 38 x 38mm sawn softwood brandering at 400mm centres in both directions, fixed to 38 x 38mm vertical timber supports bolted to truss, not exceeding 1m below timber trusses	m2	417
Carried Forward			R
Section No. 2 Bill No. 2 New Work to Existing Buildings (Provisional) SAKHISIZWE CONSORTIUM			

**KZN SCHOOLS PROGRAMME:
NORTH COAST REGION: KING CETSHWAYO DISTRICT
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Brought Forward			R
51	Extra over ceiling for 600 x 600mm trap door	No	7
<u>Gypsum Plasterboard Cornice</u>			
52	75mm Coved cornices	m	217
<u>FLOOR COVERINGS, WALL LININGS, ETC (PROVISIONAL)</u>			
<u>FLOOR COVERINGS</u>			
<u>300 x 300 x 2,5mm Thick "Marleyflex" or other approved thru-flash semi-flexible vinyl floor tiles fixed with and approved Acrylic Adhesive (allow for two colour pattern)</u>			
53	On floors	m2	231
54	100mm High skirting	m2	35
<u>IRONMONGERY (PROVISIONAL)</u>			
<u>HINGES, BOLTS, ETC.</u>			
<u>"Dorma" or equal and approved</u>			
55	"DRR-SS-012" 102 x 75 x 3mm Stainless steel rising butt hinge	No	18
<u>WINDOW MECHANISMS</u>			
<u>New Window Mechanisms</u>			
56	Howick Metal or other approved 132mm brass window handle R/H, including brackets, etc	No	42
57	Howick Metals or other approved 132mm brass window handle L/H, including brackets, etc	No	42
58	175mm Brass sliding stay	No	84
<u>LOCKS</u>			
Carried Forward			R
Section No. 2 Bill No. 2 New Work to Existing Buildings (Provisional) SAKHISIZWE CONSORTIUM			

**KZN SCHOOLS PROGRAMME:
NORTH COAST REGION: KING CETSHWAYO DISTRICT
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MADLANKALA PRIMARY SCHOOL**

Brought Forward			R
	<u>"Union" or equal and approved</u>		
59	" 2261-76SS" Four lever lockset	No	24
	<u>SUNDRIES</u>		
	<u>Manufactured by "Union" or equal and other approved</u>		
60	38mm Diameter rubber door stop, plugged and screwed to floor with 50mm long brass screw	No	9
	<u>METALWORK (PROVISIONAL)</u>		
	<u>GALVANISED MILD STEEL GATES</u>		
	<u>Welded screens and gates to galvanised steel frame</u>		
61	Single gate 913 x 2147mm high of 25 x 25mm square tubing, 25 x 25mm square tubing transomes and 12 x 12mm solid square diving bars at 90mm centres complete with lock	No	9
	<u>HOT DIPPED GALVANISED MILD STEEL DOOR FRAMES</u>		
	<u>1,2mm Rebated frames suitable for half brick walls</u>		
62	Frame for door 813 x 2032mm high	No	9
	<u>GALVANISED STEEL WINDOWS, DOORS, ETC</u>		
	<u>Standard Industrial Windows</u>		
63	1000 x 1200mm high steel window to match existing including factory fitted burglar bars	No	42
	<u>PLASTERING (PROVISIONAL)</u>		
	<u>SCREEDS</u>		
	Carried Forward		R
Section No. 2 Bill No. 2 New Work to Existing Buildings (Provisional) SAKHISIZWE CONSORTIUM			

KZN SCHOOLS PROGRAMME:
NORTH COAST REGION: KING CETSHWAYO DISTRICT
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		Brought Forward			R
	<u>Screeds steel trowelled, on concrete</u>				
64	25mm Thick on floors and landings	m2	1 621		
	<u>INTERNAL PLASTER</u>				
	<u>Cement plaster on brickwork</u>				
65	On walls	m2	412		
	<u>EXTERNAL PLASTER</u>				
	<u>Cement plaster on brickwork</u>				
66	On walls	m2	412		
	<u>TILING (PROVISIONAL)</u>				
	<u>FLOOR TILES</u>				
	<u>330 x 330 x 7mm ceramic floor tiles (Prime cost amount of R200/m2) with 6mm wide grouted joints continuous in both directions with approved tile adhesive</u>				
67	On floors and landings	m2	218		
68	100mm High skirting	m	33		
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>				
	<u>RAINWATER DISPOSAL</u>				
	<u>Seamless aluminium</u>				
69	150 x 150mm Box gutters with white baked enamel finish fixed with external brackets	m	416		
70	Extra over eaves gutter for stopped end	No	28		
		Carried Forward			R
	Section No. 2				
	Bill No. 2				
	New Work to Existing Buildings (Provisional)				
	SAKHISIZWE CONSORTIUM				

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NORTH COAST REGION: KING CETSHWAYO DISTRICT
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	Brought Forward			R
71	Extra over eaves gutter for drop box suitable for 150 x 150mm box gutter	No	44	
72	100 x 76mm Fluted aluminium downpipes with white baked enamel finish	m	166	
73	Extra over rainwater downpipe for bends	No	176	
74	Extra over rainwater downpipe for shoes	No	33	
<u>SANITARY FITTINGS</u>				
<u>"Atlas Plastics (Pty) Ltd" or equal and approved</u>				
75	Atlas Plastics "Aquarius Close Coupled Toilet" (Code 570AP) colour Granite with seat, overall size 416 x 690 x 768mm high, with foot of pan grouted to the floor with 1:3 cement mortar	No	15	
76	Atlas Plastics "Christy" (Code 945AP) wash hand basin with splashback, colour Granite, overall size 580 x 410mm wide with 2 tap holes and 40mm waste outlet, plugged and screwed to wall with galvanised screws and brackets	No	5	
<u>TAPS, VALVES, ETC</u>				
<u>"Cobra Watertech" or other approved</u>				
77	15mm Chromium plated 'Star 136-15' stopcock	No	5	
78	15mm Chromium plated 'Star 106-15' basin bibtap	No	5	
<u>Black uPVC UV stabilised pipes</u>				
79	110mm Vent pipes	m	10	
<u>Extra over Black uPVC UV stabilised pipes for fittings</u>				
80	Vent cowl formed of 110mm vent valve with top cut off and black shade cloth fixed over end of vent pipe	No	5	
Carried Forward				R
Section No. 2 Bill No. 2 New Work to Existing Buildings (Provisional) SAKHISIZWE CONSORTIUM				

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		Brought Forward			R
	<u>SANITARY PLUMBING</u>				
	<u>uPVC pipes</u>				
81	50mm Pipes	m	25		
82	50mm Pipes chased into brickwork	m	25		
	<u>Extra over uPVC pipes for fittings</u>				
83	50mm Bend	No	5		
84	50mm Junction	No	5		
85	50mm Access bend	No	5		
	<u>WATER SUPPLIES</u>				
	<u>Class 0 copper pipes</u>				
86	15mm Pipes	m	15		
	<u>Extra over class 0 copper pipes for capillary fittings</u>				
87	15mm Fittings	No	15		
	<u>Extra over class 0 copper pipes for brass compression fittings</u>				
88	15mm Fittings	No	15		
	<u>Class 2 copper overflow and service pipes</u>				
89	15mm Bent service pipe average 400mm girth, one end fitted with brass adaptor and jointed to tap, etc., and other end jointed to Class 0 copper pipe	No	5		
	<u>TESTING</u>				
90	Allow for testing the whole of the sanitary plumbing and water supply		Item		
		Carried Forward			R
	Section No. 2				
	Bill No. 2				
	New Work to Existing Buildings (Provisional)				
	SAKHISIZWE CONSORTIUM				

	Brought Forward			R
	<u>GLAZING (PROVISIONAL)</u>			
	<u>GLAZING TO STEEL WITH PUTTY</u>			
	<u>4mm Thick clear float glass</u>			
91	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	93	
	<u>PAINTWORK (PROVISIONAL)</u>			
	<u>PAINTWORK TO NEW WORK</u>			
	<u>ON INTERNAL FLOATED PLASTER</u>			
	<u>Prepare and brush surface to remove all loose contaminants and apply one coat alkali resistant primer, one undercoat and two coats "Plascon Polvin" or equal approved emulsion paint for interior use</u>			
92	On internal walls	m2	412	
	<u>ON EXTERNAL FLOATED PLASTER</u>			
	<u>Prepare and brush surface to remove all loose contaminants and apply one coat alkali resistant primer, one undercoat and two coats "Plascon Wall 'n All" or equal approved emulsion paint for external use</u>			
93	On external walls	m2	412	
	<u>ON PLASTER BOARD</u>			
	<u>Prepare and brush surface to remove all loose contaminants and apply one coat alkali resistant primer, one undercoat and two coats PVA emulsion paint for interior use</u>			
94	On ceilings and cornices	m2	417	
	<u>ON FIBRE CEMENT</u>			
	Carried Forward			R
	Section No. 2			
	Bill No. 2			
	New Work to Existing Buildings (Provisional)			
	SAKHISIZWE CONSORTIUM			

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	Brought Forward			R	
	<u>Prepare and brush surface to remove all loose contaminants and apply one coat alkali resistant primer and two coats superior quality acrylic emulsion paint for exterior use</u>				
95	On fascias and barge boards	m2	266		
	<u>ON METAL</u>				
	<u>Prepare surfaces and remove all loose material, dust, grease, salts and contamination with an approved degreaser, rinse and apply one coat approved primer, one type II undercoat and two finishing coats exterior quality non-drip polyurethane enamel paint to selected tints on</u>				
96	Steel windows, frames, etc. (both sides measured over the full flat area)	m2	101		
97	Door frames	m2	17		
	<u>ON WOOD</u>				
	<u>Prepare and brush surface to remove all loose contaminants and apply two coats "ABE Provonite" or equal approved carbolineum anti-corrosive coal tar paint</u>				
98	On roof timbers at eaves and verges	m2	346		
	<u>Prepare, brush surface to remove all loose contaminants, stain and apply one coat "Plascon Woodcare Pretreatment (WWP 1)" or equal approved , and three coats "Woodcare Wood Preservative (FPR1)" or equal approved preservative strictly in accordance with the Manufacturer's instructions</u>				
99	On doors	m2	50		
	<u>PAINTWORK TO PREVIOUSLY PAINTED WORK</u>				
	<u>ON INTERNAL FLOATED PLASTER</u>				
	Carried Forward			R	
	Section No. 2				
	Bill No. 2				
	New Work to Existing Buildings (Provisional)				
	SAKHISIZWE CONSORTIUM				

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STORM DAMAGE PROGRAMME: PHASE 17

Prepare, brush surface to remove all loose contaminants, stain and apply one coat "Plascon Woodcare Pretreatment (WWP 1)" or equal approved , and three coats "Woodcare Wood Preservative (FPR1)" or equal approved preservative strictly in accordance with the Manufacturer's instructions

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Bill No	SECTION SUMMARY - REPAIRS AND RENOVATIONS TO EXISTING BUILDINGS (PROVISIONAL)	Page No	Amount
1	Alterations and Demolitions (Provisional)	51	
2	New Work to Existing Buildings (Provisional)	69	
Section No. 2 SAKHISIZWE CONSORTIUM		Carried to Final Summary Page	
R			

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Item No	Quantity	Rate	Amount
<u>SECTION NO. 3</u>			
<u>BILL NO. 3</u>			
<u>WATER TANKS (PROVISIONAL)</u>			
The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)			
<u>EARTHWORKS (PROVISIONAL)</u>			
<u>EXCAVATION OTHER THAN BULK</u>			
<u>Excavation in earth not exceeding 2m deep</u>			
1	Bases m3	34	
<u>Extra over trench and hole excavation in earth for excavation in</u>			
2	Hard rock m3	8	
<u>CARTING AWAY</u>			
<u>Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk)</u>			
3	Off site to be located by the contractor m3	8	
<u>EARTH FILLING, ETC</u>			
Note: All filling whether obtained from the excavations, from stockpiles or by the contractor from an outside source must be selected and approved by the Structural / Civil Engineers			
Carried Forward			R
Section No. 3 Bill No. 1 Water Tanks (Provisional) SAKHISIZWE CONSORTIUM			

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	Brought Forward			R
	<u>Filling with material from the excavations compacted to a density of at least 93% Mod. AASHTO density</u>			
4	Backfilling to trenches, holes, etc.	m3	26	
	<u>KEEPING EXCAVATIONS FREE OF WATER</u>			
	<u>Keeping excavations free of water</u>			
5	Allow for keeping excavations free of water or mud by hand or machinery		Item	
	<u>COMPACTION</u>			
	<u>Compaction of surfaces</u>			
6	Compaction of ground surfaces under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod. AASHTO density	m2	42	
	<u>TESTS</u>			
	<u>Prescribed density tests on filling</u>			
7	Modified AASHTO Density test	No	6	
	<u>SOIL POISONING</u>			
	<u>Soil insecticide in accordance to SANS 5859</u>			
8	Under floors, etc., including forming and poisoning shallow furrows against foundation walls, etc., filling in furrows and ramming	m2	42	
	<u>CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)</u>			
	<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
	Carried Forward			R
	Section No. 3 Bill No. 1 Water Tanks (Provisional) SAKHISIZWE CONSORTIUM			

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Brought Forward			R
<u>10MPa Concrete</u>			
9	Surface blinding under footings, bases, etc	m3	3
<u>REINFORCED CONCRETE CAST AGAINST/ON FORMWORK</u>			
<u>25MPa/19mm Concrete</u>			
10	Surface beds	m3	5
11	Bases	m3	10
<u>CONCRETE SUNDRIES</u>			
<u>Finishing top surfaces of concrete with a wood float</u>			
12	Surface beds, slabs, etc	m2	35
<u>Test blocks</u>			
13	Prepare a set of six concrete cubes each cube size 150 x 150 x 150mm for strength cubes and deliver to an approved laboratory for testing and pay all charges in connection therewith	Sets	6.00
<u>ROUGH FORMWORK (DEGREE OF ACCURACY III) (PROVISIONAL)</u>			
<u>Rough formwork to sides</u>			
14	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	58
<u>Boxing in smooth formwork to form</u>			
15	50mm Horizontal chamfer at corner	m	58
<u>REINFORCEMENT (PROVISIONAL)</u>			
Carried Forward			R
Section No. 3 Bill No. 1 Water Tanks (Provisional) SAKHISIZWE CONSORTIUM			

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		Brought Forward			R
		<u>Mild steel reinforcement to structural concrete work</u>			
16	10mm Diameter bars	t	0.528		
		<u>MASONRY (PROVISIONAL)</u>			
		<u>BRICKWORK IN FOUNDATIONS</u>			
		<u>Brickwork of NFX (14 MPa nominal compressive strength) clay imperial bricks in cement mortar</u>			
17	One brick wall	m2	39		
		<u>BRICKWORK SUNDRIES</u>			
		<u>Bagging of 1:3 cement and sand mixture</u>			
18	On outer face of inner skin of brick walls including any additional labour required in raising wall in two separate skins and working around wire ties and / or brick reinforcing fabric	m2	39		
		<u>Brickwork reinforcement</u>			
19	150mm Wide reinforcement built in horizontally	m	120		
		<u>FACE BRICKWORK</u>			
		<u>"Corobrik Travertine FBA" or equal approved face bricks in stretcher bond with ruled joints and perpend internally and externally</u>			
20	Extra over brickwork for face brickwork	m2	39		
		<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>			
		<u>WATER SUPPLIES AND FIRE SERVICES</u>			
		<u>TAPS, VALVES, ETC</u>			
		Carried Forward			R
	Section No. 3				
	Bill No. 1				
	Water Tanks (Provisional)				
	SAKHISIZWE CONSORTIUM				

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	Brought Forward			R
	<u>"Cobra Watertech" or other approved</u>			
21	15mm Rough brass hose bib tap as 'Cobra Watertech' Ref. No. 108-15 or other equal and approved including hose union, wall plate elbow, etc. with couplings for copper	No	6	
	<u>TANKS, ETC</u>			
	<u>Polyethylene drinking water tanks</u>			
22	5000 Litre low profile circular tank size 2250mm diameter x 1800mm high, with access lid and inlet hole, embedded in pedestal to a minimum of 400mm above ground level and tied down with 2 No. off 4mm galvanised double strap stay wires tied to galvanised mild steel M12 eye bolt of which is to be drilled and fixed to the 4 corners of concrete supporting base	No	6	
Carried to Final Summary Page				R
Section No. 3 Bill No. 1 Water Tanks (Provisional) SAKHISIZWE CONSORTIUM				

Item No	Quantity	Rate	Amount
<p><u>SECTION NO.4</u></p> <p><u>BILL NO.1</u></p> <p><u>BUDGETARY ALLOWANCES</u> <u>(PROVISIONAL)</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017 Edition)</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>General</u></p> <p>Prime cost amounts and provisional sums are NET. Prime cost amounts include for delivery to site of all articles concerned</p> <p>Provisional sums are for material and equipment supplied and installed complete by firms of specialists</p> <p><u>Profit</u></p> <p>Where stated, the contractor may allow for profit if required</p> <p><u>General attendance on nominated/selected subcontractors</u></p> <p>The item "Attendance" which follows each provisional sum for nominated/selected subcontractors' work, shall be deemed to cover all the contractor's costs incurred in providing free of charge to the nominated/selected subcontractors, the following:</p>			
<p style="text-align: right;">Carried Forward</p>		R	
<p>Section No. 4 Bill No. 1 Budgetary Allowances (Provisional) SAKHISIZWE CONSORTIUM</p>			

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Brought Forward			R
1	General attendance comprising of access to the site, the provision of water, electric power and an area for establishment, the use of erected scaffolding, etc		
2	Making good in all trades and cleaning down and removal of rubbish on completion		
<p>Note: Tenderers are to note that the allowances listed here under are for work to be executed by the appointed Principal Contractor. Tenderers are to allow in their overall Preliminaries costs for this scope of work as no additional Preliminaries will be entertained once this scope of work is realized. The Employer reserves the right to execute this work in part or in whole or omit the entire scope</p> <p><u>BUDGETARY ALLOWANCES, ETC.</u></p> <p><u>Desludging of existing pits and septic tanks</u></p>			
1	Provide the amount of R 20,000.00 (Twenty Thousand Rand) for the de-sludging of Existing Pits and Septic Tanks Including Provision of Proof of Safe De-sludging and Disposal Certificate from a Registered Sewerage Disposal Firm	Item	20 000.00
2	Profit	Item	
3	Attendance	Item	
<u>CLO REMUNERATION</u>			
4	Allow the sum of R100 000.00 (One Hundred Thousand Rand) for the remuneration of the Community Liaison Officer	Item	100,000.00
5	Profit on last if required	%	
6	Attendance in connection with Community Liaison Officer's remuneration	%	
MINIMUM TARGETED ENTERPRISE DEVELOPMENT			
A provisional amount has been allowed for in the execution of this project as described in C3. Project Specifications. The provisional amount allowed is for the appointment of training coordinator, mentor, training service providers and training of the beneficiary enterprises including monitoring and monthly reporting.			
7		PS	165 120.81
8	Allowance for profit all inclusive of associated costs to the contractor for implementation.	%	
9	Allowance for attendance all inclusive of associated costs to	%	
Carried to Final Summary Page			
Section No. 4			
Bill No. 1			
Budgetary Allowances (Provisional)			
SAKHISIZWE CONSORTIUM			

Item No	Quantity	Rate	Amount
<p><u>SECTION NO. 5</u></p> <p><u>BILL NO. 1</u></p> <p><u>ELECTRICAL INSTALLATION</u> <u>(PROVISIONAL)</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)</p> <p>Tenderers are to note that the sum included the amount column for this section of the Bill of Quantities, should be the total of all priced items in the Electrical Installation, Bill of Quantities as attached hereafter.</p>			
1	Electrical installation (transferred from page 26 of the Electrical BOQ)	SUM	
<p style="text-align: right;">Carried to Final Summary Page</p> <p>Section No. 5 Bill No. 1 Electrical Installation (Provisional) SAKHISIZWE CONSORTIUM</p>			<p style="text-align: right;">R</p>

STORM DAMAGE PHASE 17
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Item No.		Quantity	Rate	Amount R
	<u>GUARANTEE</u>			
1	Guarantee the efficient and safe working of the whole installation for 12 months after handover of the completed building to the Department.	Item		
	<u>AS BUILT DRAWINGS</u>			
2	Provision for the drawings showing all site cable routes, conduit routes, draw boxes and positions of outlets etc.	Item		
	<u>CERTIFICATE OF COMPLIANCE</u>			
3	Provision for the Certificate of Compliance to be issued on completion of the project in addition to the detailed testing specified	Item		
	<u>LIGHT SWITCHES/ SOCKET OUTLETS/ISOLATORS</u>			
4	All light switches, switch socket outlets and cover plates to be engraved with circuit numbers as per the distribution board layout drawings	Item		
	<u>CONDUITS</u>			
	The required solid conduit work shall comply fully with the below quoted standards			
	a) Screwed metallic conduit and accessories: SANS 162			
	b) Plain ended metallic conduit and accessories : SANS 1007			
	c) Non metallic conduit : SANS 950			
	Non metallic conduit shall be installed in accordance with Appendix C of SANS 950 and shall not be installed or used under the following conditions:			
	i) Outside a building (unless protected, or sheltered under eaves)			
	ii) For mechanical load bearing			
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Item No.	Quantity	Rate	Amount R
<p>iii) Where they may be subjected to temperature below -10°C or above 70°C for prolonged periods</p> <p>iv) As primary electrical insulation</p> <p>v) In areas where they may be subjected to mechanical damage</p> <p>vi) For applications other than for which they are designed for</p> <p>Only in very special circumstances and with prior approval may shorter lengths of circuit wiring be carried out in the approved unarmoured metal sheathed cables or in copper braided cables</p> <p><u>FIXING OF CONDUITS</u></p> <p>The fixing of conduits shall be as follows</p> <p>a) Build in conduits in wall chases with cement mortar and clamps</p> <p>b) Fix conduits on wall surfaces and in roof spaces with approved saddles</p> <p>c) Cast conduit in concrete surface beds or slabs</p> <p>d) Do surface fixing level, plumb, neatly and in straight line by means of standard spacer saddles</p> <p><u>CHASING</u></p> <p>All chasing shall be carried out neatly. Do not chase walls constructed of hollow blocks, locate services in the block cavities. Chase solid walls not deeper than one third of the wall thickness vertically and not more than one sixth horizontally. Avoid horizontal chasing where possible. Ensure that chases, holes and recesses are so made as not to impair the strength or stability of the wall, or reduce the fire resistance properties of the wall. Fill chases with mortar once the conduits are in position</p> <p>Chasing and making good have not been measured separately and shall be deemed to be included in the descriptions of conduiting</p> <p style="text-align: right;">Carried Forward to Collection Page</p> <p>Electrical Installation</p>			
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Item No.		Quantity	Rate	Amount R
	<p><u>COPPER CONDUCTORS</u></p> <p>PVC insulated copper conductors shall conform with SANS 150</p> <p><u>ELECTRICAL CABLES</u></p> <p>The PVC insulated 600/1000V grade cables shall be manufactured in accordance with SANS 1507 and shall be handled and installed in accordance with SANS 0198 - "The Selection, Handling and Installation of Electric Power Cables of rating not exceeding 33 kV"</p> <p><u>LAYING OF ELECTRIC CABLES</u></p> <p>Excavate 600 mm below finished ground level</p> <p>Encase the installed cable in river sand or sifted sand</p> <p>Mark the cable route with approved concrete cable markers</p> <p><u>ELECTRICAL DISTRIBUTION KIOSKS AND BOARDS</u></p> <p>Under Annexure L of SANS 10142-1 it clearly states that allowance must be made for the supply and installation of approved Surge Protection Devices (SPDs) into low voltage systems</p> <p><u>.1 Distribution Kiosks</u></p> <p>The kiosks shall have a weatherproof construction complete with lockable doors and shall be of the foundation mounted or root planted types. These units shall be constructed from</p> <p>1.1 Pre painted mild steel</p> <p>1.2 3CR 12 (within 50 km of the coast and in corrosive industrial atmospheres)</p> <p>1.3 Fibreglass (within 50 km of the coast and in corrosive industrial atmospheres)</p> <p>1.4 The required surge protectoin devices that need to be installed in a distribution kiosk shall either be for a Zone LPZ O(A) OR LPZ O(B) with a peak current rating of 100kA</p> <p style="text-align: right;">Carried Forward to Collection Page</p> <p>Electrical Installation</p>			
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Item No.		Quantity	Rate	Amount R
	<p><u>.2 Distribution Boards</u></p> <p>The required pre painted 1.6 mm thick mild steel boards shall either be of the flush, semi flush or surface mounted types complete with lockable doors. Each board shall be fitted with circuit labelling and legend card installed in permanently fixed steel type legend card holders</p> <p>The general construction shall comply fully with SANS 1180, Part 1 for flush type boards and Part 2 for the surface types</p> <p>The specified equipment shall comply with the following:</p> <p>Moulded casse circuit breaker: SANS 156</p> <p>On load isolators: SANS 152</p> <p>Earth leakage relays: SANS 767</p> <p>Surge Protection Units: SANS 61312-1 IEC 61312-1</p> <p>Provision needs to be made for the required Zone LPZ1 equipment with a peak current rating of 40 kA</p> <p>any distribution board said sub-distribution board shall be fitted with the required Zone LPZ2 equipment with a rating of 10kA</p> <p>The internal power wiring shall comply fully with 600/1000V grade PVC insulated stranded annealed copper conductors to SANS 1507</p> <p>The final colour to the boards shall be determined by the architect on site at a later stage. The paint finishes shall be of a high quality paint applied according to the best available method. Baked, enamel, electro-statically applied powder coating or similar proven methods shall be used. Painted metal shall be corrosion resistant for a period of at least 168 hours when tested in accordance with SANS Methods 155.</p> <p>The connected load to the boards shall be balanced as equally as possible across multi-phase supplies</p> <p style="text-align: right;">Carried Forward to Collection Page</p>			
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Item No.		Quantity	Rate	Amount R
	<u>EARTHING SYSTEM</u>			
5	Earthing of wash hand basin and all cold and hot water piping, by means of standard copper tape earth strapping at regular intervals of 6m and connecting same to the electricla earth system at the distribution board (6 No wash hand basins)	Item		
	<u>SUNDRIES</u>			
	<u>Bonding</u>			
6	The overall bonding of the completed electrical installation shall be carried out and tested as specified under Clause 6.13 of SANS 0142-1			
	Allow for bonding and testing thereof	Item		
	<u>Testing and commissioning</u>			
7	Allow for testing and commissioning the whole of the electrical installation as laid down in the specification and for re-testing as may be required after the making good of all defective work to the entire satisfaction of the Department and the Engineer	Item		
	<u>LIGHT FITTING LUMINAIRES</u>			
	All installed light fitting luminaires and its associated equipment shall comply fully with SANS approved equipment or materials as applicable from the 1st January 1997			
	<u>TESTING</u>			
8	After the installation has been completed the Electrical Contractor shall issue a certificate of compliance	Item		
9	Before issuing a certificate of compliance, an accredited person shall inspect and test each new installation or extension of an existing installatoin for compliance with the relevant standard	Item		
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Item No.		Quantity	Rate	Amount R
	<u>SCHEDULES</u>			
	<u>MOUNTING HEIGHTS OF OUTLETS</u>			
	All electrical outlets shall be installed at the below listed heights if not specified in the symbols list on the drawings:			
	Socket outlets: as specified on drawings			
	External wall light: 2000 mm above finished level			
	Light switches: 1400 mm (to centre of box) above finished floor level			
	Distribution board: 1800 mm to top edge of board			
	<u>LIGHT FITTING SCHEDULE</u>			
	Light fittings supplied and installed shall be similar and equal approved to the specified equipment. The light fittings shall further comply in full with the standards and specifications applicable to all materials and components of the specified equipment			
	Prior approval of alternative type of fittings must first be obtained in writing before submitting a tender offer based on the alternative types			
10	P&Gs	Item		
	<u>DISTRIBUTION BOARDS</u>			
	<u>Distribution boards complete with sheetmetal trays, frames, subframes, busbars, provision for four future circuit breakers, labeling and legend cards</u>			
11	Typical distribution board as per single line drawing 19023_02_400, supplied complete with detailed shop drawing and specification including circuit breakers, Earth & Neutral busbars.	No.	6	
12	40A CBI / HYMAG SX1-G3 single pole 230 V circuit breaker 5 kA fault level installed in existing distribution board	No.	1	
13	Allow to work on existing distribution board and update legend card	Item		
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Item No.			Quantity	Rate	Amount
	<u>DISTRIBUTION CABLES</u>				
	<u>600/1000V rated cables laid in ground or in sleeves. To be protected when installed vertically up wall from ground</u>				
14	16mm ² 2 core PVC/SWA/ECC/PVC cable	m	22		
15	Termination for 16 mm ² 2 core cable above	No.	6		
16	10mm ² 2 core PVC/SWA/ECC/PVC cable	m	13		
17	Termination for 10 mm ² 2 core cable above	No.	2		
18	6mm ² 2 core PVC/SWA/ECC/PVC cable	m	7		
19	Termination for 6 mm ² 2 core cable above	No.	2		
	<u>EXCAVATION</u>				
20	Excavate for and build cable inspection chamber with half brick sides fitted with 600 x 600 x 600 medium duty cover and frame complete with drain holes. Size internally 600 x 600 x 600 mm deep	No.	1		
21	Excavate not exceeding 600 mm deep in soft intermediate rock material for cabling and cable pipe trench including bedding, backfilling, compaction and disposal of surplus material	m ³	4		
22	Excavate not exceeding 600 mm deep in hard rock for and cabling and cable pipe trench including bedding, backfilling, compaction and disposal of surplus material	m ³	1		
	<u>SLEEVES</u>				
23	100 mm PVC sleeves	m	18		
24	100 mm long radius bend	No.	2		
25	50 mm PVC sleeves	m	55		
26	50 mm PVC long radius bend	No.	6		
27	50 mm galvanised sleeves	m	13		
28	50 mm long radius bend	No.	2		
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Item No.			Quantity	Rate	Amount R
	<u>STORM DAMAGE - EXISTING BLOCK B</u>				
	<u>LIGHTING AND SMALL POWER</u>				
	<u>Thin walled hot dipped galvanised conduits</u>				
29	20mm diameter surface mounted on brickwork	m	51		
30	20mm diameter fixed on timber rafters	m	126		
	<u>Thin walled PVC conduits</u>				
31	20mm diameter chased in brickwork	m	23		
32	20mm diameter fixed on timber rafters	m	31		
	<u>CONDUIT BOXES AND FITTINGS</u>				
33	100 x 100 x 100/50 mm Deep hot dipped galvanised box for 20mm diameter conduit in brick or concrete walls including conduit ends and cover	No.	12		
34	65 mm Round hot dipped galvanised box for 20mm diameter steel conduit in brick or concrete walls or ceiling void including conduit ends and cover	No.	26		
35	P8000 Trunking inclusive of PVC cover	m	33		
	<u>CONDUCTORS</u>				
	PVC insulated stranded copper conductors drawn into wireways				
36	2.5mm ²	m	436		
37	4mm ²	m	243		
	<u>LIGHT SWITCHES, SWITCHED SOCKET OUTLETS ETC.</u>				
	Switches etc. complete with cover plates fixed in flush boxes				
38	20A surface mounted 1 lever 1 way light switch	No.	4		
39	20A surface mounted Three-pin & Euro combo switch socket outlet with cover plate	No.	8		
	Carried Forward to Collection Page				
	Electrical Installation				
				R	

Item No.	<u>STORM DAMAGE - EXISTING BLOCK B</u>	Quantity		
	<u>LUMINAIRES AND EQUIPMENT</u>			
	<u>Luminaires or equipment complete with lamps, connections etc. mounted in position</u>			
40	Type A - 2 x 35W T5 Eurolux / Osram open channel fluorescent light fitting with telescopic lamp holder complete with electronic control gear	No. 16		
41	Type B - Swannlite/Magnet/Lihlelight or other approved RML round bulkhead with 1 x PL26 Watt lamp complete with electronic control gear	No. 10		
42	Type C - 2 x 35W T5 Vapour proof fluorescent light fitting complete with electronic control gear	No. 1		
43	Photocells inclusive of enclosure	No. 1		
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Item No.			Quantity	Rate	Amount R
	<u>STORM DAMAGE - EXISTING BLOCK C</u>				
	<u>LIGHTING AND SMALL POWER</u>				
	<u>Thin walled hot dipped galvanised conduits</u>				
44	20mm diameter surface mounted on brickwork	m	35		
45	20mm diameter fixed on timber rafters	m	115		
	<u>Thin walled PVC conduits</u>				
46	20mm diameter chased in brickwork	m	18		
47	20mm diameter fixed on timber rafters	m	26		
	<u>CONDUIT BOXES AND FITTINGS</u>				
48	100 x 100 x 100/50 mm Deep hot dipped galvanised box for 20mm diameter conduit in brick or concrete walls including conduit ends and cover	No.	10		
49	65 mm Round hot dipped galvanised box for 20mm diameter steel conduit in brick or concrete walls or ceiling void including conduit ends and cover	No.	22		
50	P8000 Trunking inclusive of PVC cover	m	24		
	<u>CONDUCTORS</u>				
	PVC insulated stranded copper conductors drawn into wireways				
51	2.5mm ²	m	356		
52	4mm ²	m	190		
	<u>LIGHT SWITCHES, SWITCHED SOCKET OUTLETS ETC.</u>				
	Switches etc. complete with cover plates fixed in flush boxes				
53	20A surface mounted 1 lever 1 way light switch	No.	3		
54	20A surface mounted Three-pin & Euro combo switch socket outlet with cover plate	No.	6		
	Carried Forward to Collection Page				
	Electrical Installation			R	

Item No.		Quantity	Rate	Amount
	<u>STORM DAMAGE - EXISTING BLOCK C</u>			R
	<u>LUMINAIRES AND EQUIPMENT</u>			
	<u>Luminaires or equipment complete with lamps, connections etc. mounted in position</u>			
55	Type A - 2 x 35W T5 Eurolux / Osram open channel fluorescent light fitting with telescopic lamp holder complete with electronic control gear	No. 12		
56	Type B - Swannlite/Magnet/Lihlelight or other approved RML round bulkhead with 1 x PL26 Watt lamp complete with electronic control gear	No. 10		
57	Type C - 2 x 35W T5 Vapour proof fluorescent light fitting complete with electronic control gear	No. 1		
58	Photocells inclusive of enclosure	No. 1		
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Item No.			Quantity	Rate	Amount R
	<u>STORM DAMAGE - EXISTING BLOCK D</u>				
	<u>LIGHTING AND SMALL POWER</u>				
	<u>Thin walled hot dipped galvanised conduits</u>				
59	20mm diameter surface mounted on brickwork	m	86		
60	20mm diameter fixed on timber rafters	m	184		
	<u>Thin walled PVC conduits</u>				
61	20mm diameter chased in brickwork	m	31		
62	20mm diameter fixed on timber rafters	m	37		
	<u>CONDUIT BOXES AND FITTINGS</u>				
63	100 x 100 x 100/50 mm Deep hot dipped galvanised box for 20mm diameter conduit in brick or concrete walls including conduit ends and cover	No.	18		
64	65 mm Round hot dipped galvanised box for 20mm diameter steel conduit in brick or concrete walls or ceiling void including conduit ends and cover	No.	44		
65	P8000 Trunking inclusive of PVC cover	m	46		
	<u>CONDUCTORS</u>				
	PVC insulated stranded copper conductors drawn into wireways				
66	2.5mm ²	m	667		
67	4mm ²	m	313		
	<u>LIGHT SWITCHES, SWITCHED SOCKET OUTLETS ETC.</u>				
	Switches etc. complete with cover plates fixed in flush boxes				
68	20A surface mounted 1 lever 1 way light switch	No.	6		
69	20A surface mounted Three-pin & Euro combo switch socket outlet with cover plate	No.	12		
	Carried Forward to Collection Page				
	Electrical Installation			R	

Item No.	<u>STORM DAMAGE - EXISTING BLOCK D</u>	Quantity	Rate	Amount R
	<u>LUMINAIRES AND EQUIPMENT</u>			
	<u>Luminaires or equipment complete with lamps, connections etc. mounted in position</u>			
70	Type A - 2 x 35W T5 Eurolux / Osram open channel fluorescent light fitting with telescopic lamp holder complete with electronic control gear	No. 24		
71	Type B - Swannlite/Magnet/Lihlelight or other approved RML round bulkhead with 1 x PL26 Watt lamp complete with electronic control gear	No. 16		
72	Type C - 2 x 35W T5 Vapour proof fluorescent light fitting complete with electronic control gear	No. 1		
73	Photocells inclusive of enclosure	No. 1		
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Item No.			Quantity	Rate	Amount R
	<u>STORM DAMAGE - EXISTING BLOCK E</u>				
	<u>LIGHTING AND SMALL POWER</u>				
	<u>Thin walled hot dipped galvanised conduits</u>				
74	20mm diameter surface mounted on brickwork	m	51		
75	20mm diameter fixed on timber rafters	m	126		
	<u>Thin walled PVC conduits</u>				
76	20mm diameter chased in brickwork	m	23		
77	20mm diameter fixed on timber rafters	m	31		
	<u>CONDUIT BOXES AND FITTINGS</u>				
78	100 x 100 x 100/50 mm Deep hot dipped galvanised box for 20mm diameter conduit in brick or concrete walls including conduit ends and cover	No.	12		
79	65 mm Round hot dipped galvanised box for 20mm diameter steel conduit in brick or concrete walls or ceiling void including conduit ends and cover	No.	26		
80	P8000 Trunking inclusive of PVC cover	m	33		
	<u>CONDUCTORS</u>				
	PVC insulated stranded copper conductors drawn into wireways				
81	2.5mm ²	m	436		
82	4mm ²	m	243		
	<u>LIGHT SWITCHES, SWITCHED SOCKET OUTLETS ETC.</u>				
	Switches etc. complete with cover plates fixed in flush boxes				
83	20A surface mounted 1 lever 1 way light switch	No.	4		
84	20A surface mounted Three-pin & Euro combo switch socket outlet with cover plate	No.	8		
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	Electrical Installation				
				R	

Item No.			Quantity	Rate	Amount R
	<u>STORM DAMAGE - EXISTING BLOCK H</u>				
	<u>LIGHTING AND SMALL POWER</u>				
	<u>Thin walled hot dipped galvanised conduits</u>				
89	20mm diameter surface mounted on brickwork	m	35		
90	20mm diameter fixed on timber rafters	m	115		
	<u>Thin walled PVC conduits</u>				
91	20mm diameter chased in brickwork	m	18		
92	20mm diameter fixed on timber rafters	m	26		
	<u>CONDUIT BOXES AND FITTINGS</u>				
93	100 x 100 x 100/50 mm Deep hot dipped galvanised box for 20mm diameter conduit in brick or concrete walls including conduit ends and cover	No.	10		
94	65 mm Round hot dipped galvanised box for 20mm diameter steel conduit in brick or concrete walls or ceiling void including conduit ends and cover	No.	22		
95	P8000 Trunking inclusive of PVC cover	m	24		
	<u>CONDUCTORS</u>				
	PVC insulated stranded copper conductors drawn into wireways				
96	2.5mm ²	m	356		
97	4mm ²	m	190		
	<u>LIGHT SWITCHES, SWITCHED SOCKET OUTLETS ETC.</u>				
	Switches etc. complete with cover plates fixed in flush boxes				
98	20A surface mounted 1 lever 1 way light switch	No.	3		
99	20A surface mounted Three-pin & Euro combo switch socket outlet with cover plate	No.	6		
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Item No.			Quantity	Rate	Amount R
	<u>STORM DAMAGE - EXISTING BLOCK I</u>				
	<u>LIGHTING AND SMALL POWER</u>				
	<u>Thin walled hot dipped galvanised conduits</u>				
104	20mm diameter surface mounted on brickwork	m	35		
105	20mm diameter fixed on timber rafters	m	115		
	<u>Thin walled PVC conduits</u>				
106	20mm diameter chased in brickwork	m	18		
107	20mm diameter fixed on timber rafters	m	26		
	<u>CONDUIT BOXES AND FITTINGS</u>				
108	100 x 100 x 100/50 mm Deep hot dipped galvanised box for 20mm diameter conduit in brick or concrete walls including conduit ends and cover	No.	10		
109	65 mm Round hot dipped galvanised box for 20mm diameter steel conduit in brick or concrete walls or ceiling void including conduit ends and cover	No.	22		
	P8000 Trunking inclusive of PVC cover	m	24		
	<u>CONDUCTORS</u>				
	PVC insulated stranded copper conductors drawn into wireways				
110	2.5mm ²	m	356		
111	4mm ²	m	190		
	<u>LIGHT SWITCHES, SWITCHED SOCKET OUTLETS ETC.</u>				
	Switches etc. complete with cover plates fixed in flush boxes				
112	20A surface mounted 1 lever 1 way light switch	No.	3		
113	20A surface mounted Three-pin & Euro combo switch socket outlet with cover plate	No.	6		
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Item No.	<u>STORM DAMAGE - EXISTING BLOCK I</u>	Quantity	Rate	Amount R
	<u>LUMINAIRES AND EQUIPMENT</u>			
	<u>Luminaires or equipment complete with lamps, connections etc. mounted in position</u>			
114	Type A - 2 x 35W T5 Eurolux / Osram open channel fluorescent light fitting with telescopic lamp holder complete with electronic control gear	No. 12		
115	Type B - Swannlite/Magnet/Lihlelight or other approved RML round bulkhead with 1 x PL26 Watt lamp complete with electronic control gear	No. 10		
116	Type C - 2 x 35W T5 Vapour proof fluorescent light fitting complete with electronic control gear	No. 1		
117	Photocells inclusive of enclosure	No. 1		
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Item No.			Quantity	Rate	Amount
	<u>EXISTING INSTALLATION</u>				R
	BLOCK B				
	Disconnect, make wiring safe and remove the following				
118	20mm conduit	m	189		
119	2,5mm PVC insulated wire	m	141		
120	1,5mm PVC insulated wire	m	259		
121	65 mm dia. PVC conduit box	No.	21		
122	100 x 100/50 conduit box and cover	No.	10		
123	Light switch	No.	4		
124	Switch socket outlets	No.	8		
125	2 x 58 Watt surface light fitting	No.	24		
126	Bulkhead light fitting	No.	8		
127	Distribution Board	No.	1		
	BLOCK C				
	Disconnect, make wiring safe and remove the following				
128	20mm conduit	m	171		
129	2,5mm PVC insulated wire	m	134		
130	1,5mm PVC insulated wire	m	243		
131	65 mm dia. PVC conduit box	No.	17		
132	100 x 100/50 conduit box and cover	No.	8		
133	Light switch	No.	3		
134	Switch socket outlets	No.	6		
135	2 x 58 Watt surface light fitting	No.	18		
136	Bulkhead light fitting	No.	8		
137	Alarm Siren	No.	1		
138	Distribution Board	No.	1		
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Item No.			Quantity	Rate	Amount
	<u>EXISTING INSTALLATION</u>				R
	BLOCK D				
	Disconnect, make wiring safe and remove the following				
139	20mm conduit	m	278		
140	2,5mm PVC insulated wire	m	186		
141	1,5mm PVC insulated wire	m	301		
142	65 mm dia. PVC conduit box	No.	32		
143	100 x 100/50 conduit box and cover	No.	15		
144	Light switch	No.	6		
145	Switch socket outlets	No.	12		
146	2 x 58 Watt surface light fitting	No.	36		
147	Bulkhead light fitting	No.	12		
148	Distribution Board	No.	1		
	BLOCK E				
	Disconnect, make wiring safe and remove the following				
149	20mm conduit	m	139		
150	2,5mm PVC insulated wire	m	104		
151	1,5mm PVC insulated wire	m	212		
152	65 mm dia. PVC conduit box	No.	11		
153	100 x 100/50 conduit box and cover	No.	3		
154	Light switch	No.	1		
155	Switch socket outlets	No.	2		
156	2 x 58 Watt surface light fitting	No.	6		
157	Bulkhead light fitting	No.	3		
158	Distribution Board	No.	1		
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Item No.			Quantity	Rate	Amount
	<u>EXISTING INSTALLATION</u>				R
	BLOCK H				
	Disconnect, make wiring safe and remove the following				
159	20mm conduit	m	171		
160	2,5mm PVC insulated wire	m	134		
161	1,5mm PVC insulated wire	m	243		
162	65 mm dia. PVC conduit box	No.	17		
163	100 x 100/50 conduit box and cover	No.	8		
164	Light switch	No.	3		
165	Switch socket outlets	No.	6		
166	2 x 58 Watt surface light fitting	No.	18		
167	Bulkhead light fitting	No.	8		
168	Distribution Board	No.	1		
	BLOCK I				
	Disconnect, make wiring safe and remove the following				
169	20mm conduit	m	171		
170	2,5mm PVC insulated wire	m	134		
171	1,5mm PVC insulated wire	m	243		
172	65 mm dia. PVC conduit box	No.	17		
173	100 x 100/50 conduit box and cover	No.	8		
174	Light switch	No.	3		
175	Switch socket outlets	No.	6		
176	2 x 58 Watt surface light fitting	No.	18		
177	Bulkhead light fitting	No.	8		
178	Distribution Board	No.	1		
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Item No.		Quantity	Rate	Amount R
	<u>LIGHTNING PROTECTION</u>			
	BLOCK B C, E, H, I, K & L			
179	Undertake soil resistivity test, witnessed by the Engineer inclusive of submitting a typed test report/certificate	Item		
180	10 mm ² aluminium conductor	m	60	
181	50 mm ² PVC insulated aluminium earth wire	m	173	
182	Bonding of earth tails to sheet trusses/roof sheeting/tiles	No.	46	
183	Supply and install 25 mm galvanised conduit	m	161	
184	Supply and install stainless steel lugs	No.	92	
185	Supply and install stainless steel bolts and nuts	No.	92	
186	Supply and install stop cork box	No.	46	
187	1,8 m earth spike	No.	56	
	TESTING AND CERTIFICATE OF COMPLIANCE			
188	Allow for testing of the complete installation to be witnessed by the Electrical Engineer, including the issue of SABS Certificate of Compliance of Earthing Systems, Annexures of recorded test results and "As Built" drawings as specified.	Item		
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**KZN SCHOOLS PROGRAMME:
NORTH COAST REGION: KING CETSHWAYO DISTRICT
STORM DAMAGE PROGRAMME: PHASE 17
MADLANKALA PRIMARY SCHOOL**

Section No	FINAL SUMMARY	Page No	Amount
1	PRELIMINARIES (PROVISIONAL)	44	
2	REPAIRS AND RENOVATIONS TO EXISTING BUILDINGS (PROVISIONAL)	70	
3	EXTERNAL WORKS (PROVISIONAL)	75	
4	BUDGETARY ALLOWANCES (PROVISIONAL)	77	
5	ELECTRICAL INSTALLATION (PROVISIONAL)	78	
	SUB-TOTAL (1)		R
	<u>ADD:</u>		
	<u>CONTINGENCY AMOUNT</u>		R
	Allow 5% Contingency Amount for the unforeseen and the sum provided is under the sole control of the client and upon approval by the Client Representative and deducted in whole or in part.	Item	
	SUB-TOTAL (2)		R
	<u>ADD:</u>		
	VAT @ 15%		R
	Carried to Form of Offer and Acceptance		R
	SAKHISIZWE CONSORTIUM		