

Item No	Quantity	Rate	Amount
<p><u>SECTION NO. 1</u></p> <p><u>BILL NO. 1</u></p> <p><u>PRELIMINARIES (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>MEANING OF TERMS "TENDER / TENDERER"</u></p> <p>Any reference to the words "Tender" or "Tenderer" herein and/or in any other documentation shall be construed to have the same meaning as the words "Bid" or "Bidder"</p> <p><u>PRELIMINARIES</u></p> <p>The JBCC Preliminaries 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"</p> <p><u>PRICING OF PRELIMINARIES</u></p> <p>Should Option A, as set out in clause B10.3.1 hereinafter be used for the adjustment of preliminaries then each item priced is to be allocated to one or more of the three categories Fixed, Value Related or Time Related and the respective amounts entered in the spaces provided under each item</p> <p>Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities</p>			
<p>Carried Forward</p>			<p>R</p>
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Brought Forward	R
<p><u>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</u></p> <p><u>DEFINITIONS</u></p> <p>A1.0 DEFINITIONS AND INTERPRETATION</p> <p>Clause 1.0 Clause 1.1 Definition of "Commencement Date" is added:</p> <p>COMMENCEMENT DATE means the date that the agreement, made in terms of the Form of Offer and Acceptance, comes into effect</p> <p>Clause 1.1 Definition of "Construction Guarantee" is amended by replacing it with the following:</p> <p>CONSTRUCTION GUARANTEE means a guarantee at call obtained by the contractor from an institution approved by the employer in terms of the employer's construction guarantee form as selected in the schedule</p> <p>Clause 1.1 Definition of "Construction Period" is amended by replacing it with the following:</p> <p>CONSTRUCTION PERIOD means the period commencing on the commencement date and ending on the date of practical completion</p> <p>Clause 1.1 Definition of "Corrupt Practice" is added:</p> <p>CORRUPT PRACTICE means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution</p> <p>Clause 1.1 Definition of "Fraudulent Practice" is added:</p> <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>	
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	<p>Clause 1.1 Definition of "Interest" is amended by replacing it with the following:</p> <p>INTEREST means the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999)</p> <p>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>		
1	<p>No clause</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
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	<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	
6	A6.0 SITE REPRESENTATIVE Clause 6.0 Fixed:_____ Value related:_____ Time related:_____	Item	
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7	<p>A7.0 COMPLIANCE WITH REGULATIONS</p> <p>Clause 7.0</p> <p>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</p> <p>Fixed:_____Value related:_____ Time related:_____</p>	Item	
8	<p>A8.0 WORKS RISK</p> <p>Clause 8.0</p> <p>Fixed:_____Value related:_____ Time related:_____</p>	Item	
9	<p>A9.0 INDEMNITIES</p> <p>Clause 9.0</p> <p>Fixed:_____Value related:_____ Time related:_____</p> <p>A10.0 WORKS INSURANCES</p> <p>Clause 10.0 Clause 10.0 is amended by the addition of the following clauses:</p> <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>	Item	
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<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> <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>	
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<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> <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>	
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10	<p>10.7.2 Injury to persons or loss of or damage to property</p> <p>The contractor shall be liable for and hereby indemnifies and holds harmless the employer against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of, or caused by a catastrophic ground movement as mentioned above</p> <p>The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract</p> <p>10.7.3 It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the 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>10.7.4 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>		
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<p>14.2 In respect of contracts with a contract sum above R1 million, the contractor shall have the right to select the security to be provided in terms of 14.3, 14.4, 14.5, 14.6, or 14.7 as stated in the schedule. Such security shall be provided to the employer within twenty-one (21) calendar days from commencement date. Should the contractor fail to select the security to be provided or should the contractor fail to provide the employer with the selected security within twenty-one (21) calendar days from commencement date, the security in terms of 14.7 shall be deemed to have been selected</p> <p>14.3 Where security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected:</p> <p>14.3.1 The contractor shall furnish the employer with a cash deposit equal in value to ten per cent (10%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date</p> <p>14.3.2 Within twenty-one (21) calendar days of the date of practical completion of the works the employer shall reduce the cash deposit to an amount equal to three per cent (3%) of the contract value (excluding VAT), and refund the balance to the contractor</p> <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>	
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<p>14.4 Where security as a variable construction guarantee of ten percent (10%) of the contract sum (excluding VAT) has been selected:</p> <p>14.4.1 The contractor shall furnish the employer with an acceptable variable construction guarantee equal in value to ten per cent (10%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date</p> <p>14.4.2 The variable construction guarantee shall reduce and expire in terms of the Variable Construction Guarantee form included in the invitation to tender</p> <p>14.4.3 The employer shall return the variable construction guarantee to the contractor within fourteen (14) calendar days of it expiring</p> <p>14.4.4 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer shall issue a written demand in terms of the variable construction guarantee</p> <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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<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> <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>	
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	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		
13	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 Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>EXECUTION</u>		
14	A15.0 PREPARATION FOR AND EXECUTION OF THE WORKS Clause 15.0 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 Clause 15.1 is amended by the addition of the following clause: 15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within twenty-one (21) calendar days of commencement date Clause 15.2.1 is amended by replacing it with the following clause:	Item	
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	
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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	
20	A20.0 NOMINATED SUBCONTRACTORS Clause 20.0 Clause 20.1.3 is amended by replacing it with the following: No clause Note: See item B9.1 hereinafter for adjustment of attendance on nominated subcontractors executing work allowed for under provisional sums Fixed:_____ Value related:_____ Time related:_____	Item	
21	A21.0 SELECTED SUBCONTRACTORS Clause 21.0 Clause 21 is amended by replacing it with: No clause Fixed:_____ Value related:_____ Time related:_____	Item	
22	A22.0 EMPLOYER'S DIRECT CONTRACTORS Clause 22.0 Fixed:_____ Value related:_____ Time related:_____	Item	
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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	
	<u>PAYMENT</u>		
	<p>A31.0 INTERIM PAYMENT TO THE CONTRACTOR</p> <p>Clause 31.0</p> <p>Clause 31.5.2 is amended by replacing "14.7.1" with "14.0"</p> <p>Clause 31.8 is amended by replacing it with the following two alternative clauses:</p> <p>Alternative A</p> <p>31.8(A) Where a security is selected in terms of 14.1; 14.5 or 14.6, the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:</p> <p>31.8(A).1 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the date of practical completion</p> <p>31.8(A).2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion</p>		
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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	
Alternative B	
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:	
31.8(B).1 Ninety per cent (90%) of such value in interim payment certificates issued up to the date of practical completion	
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	
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	
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	
Clause 31.12 is amended by deleting the following:	
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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	
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	
	Carried Forward		R
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	Brought Forward		R
	<u>DISPUTE</u>		
	A40.0 DISPUTE SETTLEMENT		
	Clause 40.0		
	Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years" Clause 40.6 is amended by removing the reference to: No clause Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following: Whether or not mediation resolves the dispute, the parties shall bear their own costs concerning the mediation and equally share the costs of the mediator and related costs		
	<u>SUBSTITUTE PROVISIONS</u>		
40	A41.0 STATE CLAUSES		
	Clause 41.0		
	Fixed:_____Value related:_____ Time related:_____	Item	
	<u>CONTRACT VARIABLES</u>		
41	A42.0 THE SCHEDULE (DPW-04EC)		
	Clause 42.0		
	Tenderers are referred to the Contract Data DPW-04(EC) for variables pertaining to this contract		
	Fixed:_____ Value related:_____ Time related:_____	Item	
	<u>SECTION B: JBCC PRELIMINARIES</u>		
	<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	
	Carried Forward		R
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	Brought Forward		R	
	<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		
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		
	Carried Forward		R	
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	Brought Forward		R
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	
	<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	
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	Brought Forward		R
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	
	<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	
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	Brought Forward		R
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	
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	
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	Brought Forward		R
	<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 preliminaries Clauses 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	
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	
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	Brought Forward		R
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	
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>	Item	
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Brought Forward	R
<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> <p>12.1.4 Defined works area [3.1] Details:</p> <p>12.1.5 Geotechnical investigation [3.2] Details:</p> <p>12.1.6 Existing premises occupied [3.4] Specific requirements:</p> <p>12.1.7 Previous work - dimensional accuracy [3.5] Details:</p> <p>12.1.8 Previous work - defects [3.6] Details:</p> <p>12.1.9 Services - known [3.7] Details:</p> <p>12.1.10 Protection of trees [3.9] Specific requirements:</p> <p>12.1.11 Inspection of adjoining properties [3.11] Specific requirements:</p> <p>12.1.12 Enclosure of the works [6.2] Specific requirements:</p>	
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<p>12.1.13 Offices [6.4.3] Specific requirements: The contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the principal agent, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chair, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times</p> <p>12.1.14 Main notice board [6.5] Specific requirements: The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3m 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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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>	Item		
103	<p>C3.0 TRADE NAMES</p> <p>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</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
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104	<p>C4.0 IMPORTED MATERIALS AND EQUIPMENT</p> <p>Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment 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)</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
105	<p>C5.0 VIEWING THE SITE IN SECURITY AREAS</p> <p>The site is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer to obtain permission to enter the site for tendering purposes</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
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		
	Carried Forward		R	
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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	
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	
	Carried Forward		R
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110	C10.1 AWARENESS CHAMPION Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification Fixed:_____ Value related:_____ Time related:_____	Item		
111	C10.2 AWARENESS WORKSHOPS Selection and appointment of a competent Service Provider approved by the principal agent, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification Fixed:_____ Value related:_____ Time related:_____	Item		
112	C10.3 POSTERS, BOOKLETS, VIDEOS, ETC. Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period, all in accordance with the HIV/AIDS Specification Fixed:_____ Value related:_____ Time related:_____	Item		
113	C10.4 ACCESS TO CONDOMS Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period, all in accordance with the HIV/AIDS Specification Fixed:_____ Value related:_____ Time related:_____	Item		
	Carried Forward		R	
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114	<p>C10.5 MONITORING</p> <p>Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period and close out, all in accordance with the HIV/AIDS Specification</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	
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	
	Carried Forward		R
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	Brought Forward			R
116	<p>C11.1 NOTIFICATION OF CONSTRUCTION WORK (Construction Regulation 2014)</p> <p>The Contractor shall comply with all the requirements of the Occupational Health and Safety Act No 85 and Amendment Act No 181 of 1993, Edition 23, Construction Regulations 2014 and the Code of Practise: Managing exposure to SARS-Cov-02 in the workplace.</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>SUMMARY OF CATEGORIES</u></p> <p>Category: Fixed F:</p> <p>Category: Value V:</p> <p>Category: Time T:</p>	Item		
	Carried to Final Summary Page			R
	<p>Section No. 1</p> <p>Bill No. 1</p> <p>Preliminaries (Provisional)</p>			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 1</u>			
	<u>ALTERATIONS AND DEMOLITIONS (PROVISIONAL)</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>View site</u>			
	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			
	<u>Explosives</u>			
	No explosives whatsoever may be used for demolition purposes unless otherwise stated			
	<u>Taking Out and Removal of Asbestos</u>			
	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			
	<u>General</u>			
	Descriptions of taking out shall be deemed to include carting away from site to a dump ground to be found by the contractor			
	Carried Forward		R	
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<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> <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>	
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The Contractor to acknowledge that sequencing of the work will be necessary to accommodate the operational aspects of the school. The Contractor to accordingly factor the above requirement in the construction programme and pricing					
<u>TEMPORARY BARRICADES, SCREENS, ETC</u>					
<u>Temporary barricades, screens, roofs, etc including removal</u>					
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	220		
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 624m ² (Block C)		Item		
<u>Note:</u> 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.					
<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)	m ²	234		
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	Brought Forward			R
4	150mm Thick reinforced concrete surface bed	m2	58	
5	2500 x 2500 x 300mm High mass concrete JoJo tank stand	No	8	
	<u>Breaking down and removing brickwork, etc</u>			
6	Half brick wall in beamfilling	m2	94	
	<u>Breaking down and removing blockwork, etc</u>			
7	Block wall in beamfilling	m2	58	
	<u>Taking out and removing doors, windows, etc from blockwork to remain</u>			
8	Timber single door and steel door frame overall size 900 x 2100mm high	No	9	
9	Glazed steel window overall size 1200 x 1200mm high	No	32	
	<u>Taking out and removing doors, windows, etc from brickwork to remain</u>			
10	Timber single door and steel door frame 900 x 2100mm high overall	No	17	
11	Glazed steel window overall size 1000 x 1000mm high	No	4	
12	Glazed steel window overall size 1200 x 1200mm high	No	28	
	<u>Taking down and removing roofs, floors, panelling ceilings, partitions, etc completely (new work elsewhere measured) including carting away</u>			
13	Asbestos roof sheeting including timber purlins and provision of a certificate of safe disposal for asbestos and weighbridge receipt	m2	108	
14	Corrugated roof sheeting including purlins, etc. complete	m2	540	
15	Corrugated roof sheeting including timber roof trusses, purlins, underlay, etc, complete	m2	1 172	
16	Corrugated roof sheeting including timber roof rafters, purlins, underlay, etc, complete	m2	16	
	Carried Forward			R
	Section No. 2			
	Bill No. 1			
	Alterations and Demolitions (Provisional)			

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NORTH COAST REGION: KING CETSHWAYO DISTRICT
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	Brought Forward			R
17	Isolated plate nailed roof trusses overall size 9,20 long x 1,750m high (Trusses to be identified by Engineer prior to removal)	No	8	
18	Isolated plate nailed roof trusses overall size 11,20 long x 1,750m high (Trusses to be identified by Engineer prior to removal)	No	12	
	<u>Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc and preparing screeds for new floor coverings (measured elsewhere)</u>			
19	Vinyl tile floor covering	m2	428	
	<u>Taking out and removing ironmongery</u>			
20	Mortice lockset from timber door	No	8	
21	132mm Brass window handles L/H and R/H	No	58	
22	175mm Brass plated sliding stay	No	58	
	<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>			
23	25mm Screed from floors	m2	1 171	
24	Internal plaster from walls	m2	125	
25	External plaster from walls	m2	125	
	<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>			
26	Tiles to floors	m2	679	
27	Tile skirting 100mm high	m	101	
	Carried Forward			R
	Section No. 2			
	Bill No. 1			
	Alterations and Demolitions (Provisional)			

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Section No. 2
Bill No. 1
Alterations and Demolitions (Provisional)

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Brought Forward				R
	<p><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></p>			
34	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 8 calendar months	No	3	
	<u>TEMPORARY ABLUTIONS</u>			
35	Rental of temporary chemical mobile toilets including transportation and establishment on site and de-establishment on completion for a period of 8 calendar months. Rental to include weekly cleaning and sanitisation of the temporary chemical mobile toilets and any other prescribed maintenance for a period of eight (8) calendar months	No	4	
Carried to Final Summary of Section No. 2				R
Section No. 2				
Bill No. 1				
Alterations and Demolitions (Provisional)				

KZN SCHOOLS PROGRAMME:
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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	6	
	<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	6	
	<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	6	
	<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	58	
	Carried Forward			
	Section No. 2			
	Bill No. 2			
	New Work to Existing Buildings (Provisional)			
			R	

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	Brought Forward			R
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	234	
	<u>Prescribed density tests on filling</u>			
7	"Modified AASHTO Density" test	No	2	
8	"Field Density" test including "Optimum Moisture Content" (four readings per test)	No	2	
	<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	58	
10	Under floors, etc. including forming and poisoning shallow furrows against foundation walls, etc., filling in furrows and ramming (walkway)	m2	234	
	<u>CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)</u>			
	<u>REINFORCED CONCRETE</u>			
	<u>25MPa/19mm Concrete</u>			
11	Surface beds cast in panels	m3	7	
12	Surface beds cast in panels (walkway)	m3	23	
	<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	2.00	
	Carried Forward			R
	Section No. 2			
	Bill No. 2			
	New Work to Existing Buildings (Provisional)			

Brought Forward			R
<u>CONCRETE SUNDRIES</u>			
<u>Finishing top surfaces of concrete smooth with power float</u>			
14	Surface beds, slabs, etc	m2	58
15	Surface beds, slabs, etc (walkway)	m2	234
<u>"Prostruct 617" or equal and approved</u>			
16	Apply general purpose epoxy adhesive, grouted into existing blockwork, 10mm deep x 8mm wide to secure rebar (elsewhere measured)	m	27
17	Apply general purpose epoxy adhesive, grouted into existing brickwork, 10mm deep x 8mm wide to secure rebar (elsewhere measured)	m	39
<u>ROUGH FORMWORK (DEGREE OF ACCURACY III)</u>			
<u>Rough Formwork to Sides</u>			
18	Edges, risers, ends and reveals not exceeding 300mm high or wide (walkway)	m	292
<u>MOVEMENT JOINTS, ETC</u>			
<u>Expansion joints with 10mm polystyrene between vertical concrete and brick surfaces</u>			
19	10mm Joints not exceeding 300mm high	m	40
<u>Saw-cut joints</u>			
20	3 x 40mm Saw-cut joints in top of concrete	m	40
<u>REINFORCEMENT (PROVISIONAL)</u>			
<u>Mild steel reinforcement to repairs to existing structural crack</u>			
21	8mm Diameter bars	t	2.54
Carried Forward			R
Section No. 2 Bill No. 2 New Work to Existing Buildings (Provisional)			

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Brought Forward			R
<u>Fabric reinforcement</u>			
22	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	58
23	Type 193 fabric reinforcement in concrete surface beds, slabs, etc (walkway)	m2	234
<u>MASONRY (PROVISIONAL)</u>			
<u>SUPERSTRUCTURE BLOCKWORK</u>			
<u>Blockwork of M190 cement blocks in class II mortar</u>			
24	Block wall in beamfilling	m2	58
<u>SUPERSTRUCTURE BRICKWORK</u>			
<u>Brickwork of NFP bricks in class II mortar</u>			
25	Half brick wall in beamfilling	m2	94
<u>BRICKWORK SUNDRIES</u>			
<u>Brickwork reinforcement</u>			
26	75mm Wide reinforcement built in horizontally	m	368
<u>Prestressed fabricated lintels</u>			
27	90 x 115mm Lintels in lengths not exceeding 3m	m	95
<u>Galvanised hoop iron cramps, ties, etc</u>			
28	30 x 1.6mm galvanised hoop iron strap 610mm long built horizontally into brickwork	No	214
<u>BLOCKWORK SUNDRIES</u>			
<u>Blockwork reinforcement</u>			
29	150mm Wide reinforcement built in horizontally	m	112
Carried Forward			R
Section No. 2 Bill No. 2 New Work to Existing Buildings (Provisional)			

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Section No. 2
Bill No. 2
New Work to Existing Buildings (Provisional)

Section No. 2
Bill No. 2
New Work to Existing Buildings (Provisional)

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>			
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 11,20m long with a height of 1,75m - Block H (Pitch not exceeding 25 degrees)	No	12
41	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 220m2 (on flat floor area inclusive of overhangs, etc.) - Block D	Item	
Carried Forward		R	
Section No. 2			
Bill No. 2			
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Brought Forward			R
<u>Sawn softwood</u>			
38 x 114mm Bolted wall plates	m	346	
76 x 50mm Purlins	m	3 640	
76 x 228mm Rafters	m	113	
76 x 114mm False timber rafter fixed onto truss for barge boards	m	525	
<u>SUNDRIES</u>			
<u>Hurricane clips fixed to timber purlins and trusses</u>			
Hurricane clips	No	9 570	
<u>EAVES, VERGES, ETC</u>			
<u>"Pressed Nutec" or other approved fibre cement boards</u>			
12mm x 225mm Fascia boards including aluminium H-profile fascia joiners fixed with galvanised screws and washers	m	359	
10 x 80 x 200mm Barge boards including H profile jointing strips	m	166	
<u>DOORS, ETC</u>			
<u>"Wrought Meranti" or other approved doors</u>			
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	26	
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)</u>			
<u>NAILED UP CEILINGS</u>			
Carried Forward			R
Section No. 2			
Bill No. 2			
New Work to Existing Buildings (Provisional)			

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Brought Forward			R
<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>			
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	1 107	
Extra over ceiling for 600 x 600mm trap door	No	17	
<u>Gypsum Plasterboard Cornice</u>			
75mm Coved cornices	m	620	
<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>			
On floors	m2	428	
100mm High skirting	m2	65	
<u>IRONMONGERY (PROVISIONAL)</u>			
<u>"Dorma" or equal and approved</u>			
"DRR-SS-012" 102 x 75 x 3mm Stainless steel rising butt hinge	No	52	
<u>WINDOW MECHANISMS</u>			
Carried Forward			R
Section No. 2 Bill No. 2 New Work to Existing Buildings (Provisional)			

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Brought Forward			R
<u>New Window Mechanisms</u>			
61	Howick Metal or other approved 132mm brass window handle R/H, including brackets, etc	No	29
62	Howick Metals or other approved 132mm brass window handle L/H, including brackets, etc	No	29
63	175mm Brass sliding stay	No	58
<u>LOCKS</u>			
<u>"Union" or equal and approved</u>			
64	" 2261-76SS" Four lever lockset	No	34
<u>SUNDRIES</u>			
<u>Manufactured by "Union" or equal and other approved</u>			
65	38mm Diameter rubber door stop, plugged and screwed to floor with 50mm long brass screw	No	26
<u>METALWORK (PROVISIONAL)</u>			
<u>GALVANISED MILD STEEL GATES</u>			
<u>Welded screens and gates to galvanised steel frame</u>			
66	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	26
<u>HOT DIPPED GALVANISED MILD STEEL DOOR FRAMES</u>			
<u>1,2mm Rebated frames suitable for half brick walls</u>			
67	Frame for door 813 x 2032mm high	No	17
Carried Forward			R
Section No. 2 Bill No. 2 New Work to Existing Buildings (Provisional)			

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	Brought Forward			R
	<u>1,2mm Rebated frames suitable for existing 190 block walls</u>			
68	Frame for door 813 x 2032mm high	No	9	
	<u>GALVANISED STEEL WINDOWS, DOORS, ETC</u>			
	<u>Standard Industrial Windows</u>			
69	1000 x 1000mm high steel window to match existing including factory fitted burglar bars	No	4	
70	1200 x 1200mm high steel window to match existing including factory fitted burglar bars	No	60	
	<u>PLASTERING (PROVISIONAL)</u>			
	<u>SCREEDS</u>			
	<u>Screeds steel trowelled, on concrete</u>			
71	25mm Thick on floors and landings	m2	1 229	
72	30mm Screed on floors and landings (walkways)	m2	234	
	<u>INTERNAL PLASTER</u>			
	<u>Cement plaster on blockwork</u>			
73	On walls	m2	58	
	<u>Cement plaster on brickwork</u>			
74	On walls	m2	94	
	<u>EXTERNAL PLASTER</u>			
	<u>Cement plaster on blockwork</u>			
75	On walls	m2	58	
	<u>Cement plaster on brickwork</u>			
76	On walls	m2	94	
	Carried Forward			R
	Section No. 2			
	Bill No. 2			
	New Work to Existing Buildings (Provisional)			

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Brought Forward			R
<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>			
77	On floors and landings	m2	679
78	100mm High skirting	m	101
<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>			
<u>RAINWATER DISPOSAL</u>			
<u>Seamless aluminium</u>			
79	150 x 150mm Box gutters with white baked enamel finish fixed with external brackets	m	354
80	Extra over eaves gutter for stopped end	No	34
81	Extra over eaves gutter for drop box suitable for 150 x 150mm box gutter	No	45
82	100 x 76mm Fluted aluminium downpipes with white baked enamel finish	m	180
83	Extra over rainwater downpipe for bends	No	180
84	Extra over rainwater downpipe for shoes	No	31
<u>SANITARY FITTINGS</u>			
<u>"Atlas Plastics (Pty) Ltd" or equal and approved</u>			
85	Atlas "VIP 200" (code 222AP) pedestal with footpiece complete with seat and lid screwed in concrete slab including inlet funnel (Code 224AP) riveted to shaft	No	9
Carried Forward			R
Section No. 2 Bill No. 2 New Work to Existing Buildings (Provisional)			

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	Brought Forward			R
	<u>Prepare and brush surface to remove all loose contaminants and one coat alkali resistant primer, one undercoat and two coats "Plascon Polvin" or equal approved emulsion paint for interior use</u>			
103	On internal walls	m2	152	
	<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>			
104	On external walls	m2	152	
	<u>ON PLASTER BOARD</u>			
	<u>Prepare and brush surface to remove all loose contaminants and one coat alkali resistant primer, one undercoat and two coats PVA emulsion paint for interior use</u>			
105	On ceilings and cornices	m2	1 107	
	<u>ON FIBRE CEMENT</u>			
	<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>			
106	On fascias and barge boards	m2	238	
	<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>			
107	Steel windows, frames, etc	m2	182	
	Carried Forward			R
	Section No. 2			
	Bill No. 2			
	New Work to Existing Buildings (Provisional)			

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	Brought Forward			R	
108	Door frames	m2	51		
	<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>				
109	On roof timbers at eaves and verges	m2	327		
	<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>				
110	On doors	m2	143		
	<u>PAINTWORK TO PREVIOUSLY PAINTED WORK</u>				
	<u>Prepare and brush surface to remove all loose contaminants and apply two coats "Plascon Polvin" or equal approved emulsion paint for interior use</u>				
111	On internal walls	m2	2 366		
	<u>Prepare and brush surface to remove all loose contaminants and apply two coats "Plascon Wall 'n All" or equal approved emulsion paint for external use</u>				
112	On external walls	m2	1 302		
	<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>				
113	Steel windows, frames, etc. (both sides measured over the full flat area)	m2	72		
	Carried Forward			R	
	Section No. 2				
	Bill No. 2				
	New Work to Existing Buildings (Provisional)				

New Work to Existing Buildings (Provisional)

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Bill No	SECTION SUMMARY - REPAIRS AND RENOVATIONS TO EXISTING BUILDINGS (PROVISIONAL)	Page No	Amount
1	Alterations and Demolitions (Provisional)	43	
2	New Work to Existing Buildings (Provisional)	61	
Section No. 2		Carried to Final Summary Page	
R			

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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 1</u>			
	<u>APRONS AND V- DRAINS (ALL TRADES) (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>SITE CLEARANCE ETC</u>			
	<u>Site clearance</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	532	
	<u>EXCAVATION OTHER THAN BULK</u>			
	<u>Excavation in earth not exceeding 2m deep</u>			
2	Reduced levels under floors	m3	69	
	<u>CARTING AWAY</u>			
	<u>Extra over all excavations for loading, carting and dumping surplus excavated material</u>			
3	Off site to be located by the contractor	m3	69	
	<u>COMPACTION</u>			
	<u>Compaction of surfaces</u>			
4	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 95% Mod. AASHTO density	m2	532	
	Carried Forward		R	
	Section No. 3 Bill No. 1 Aprons and V-Drains (Provisional)			

Brought Forward			R
<u>SOIL POISONING</u>			
<u>Soil insecticide in accordance to SANS 5859</u>			
5	Under floors, etc. including forming and poisoning shallow furrows against foundation walls, etc., filling in furrows and ramming	m2	532
<u>CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)</u>			
<u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u>			
<u>25MPa/19mm Concrete</u>			
6	Surface beds, slabs, etc to falls and currents	m3	69
<u>TEST BLOCKS</u>			
<u>Test blocks</u>			
7	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	5.00
<u>CONCRETE SUNDRIES</u>			
<u>Finishing top surfaces of concrete with a wood float finish</u>			
8	Concrete channel to falls	m2	532
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>			
<u>Rough formwork to sides</u>			
9	V drains, paving and ramps not exceeding 300mm high	m	532
<u>MOVEMENT JOINTS, ETC</u>			
Carried Forward			R
Section No. 3 Bill No. 1 Aprons and V-Drains (Provisional)			

R

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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 2</u>			
	<u>OPEN WALKWAYS (ALL TRADES)</u>			
	<u>(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>SITE CLEARANCE ETC</u>			
	<u>Site clearance</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	40	
	<u>EXCAVATION OTHER THAN BULK</u>			
	<u>Excavation in earth not exceeding 2m deep</u>			
2	Reduced levels under floors	m3	14	
	<u>CARTING AWAY</u>			
	<u>Extra over all excavations for loading, carting and dumping surplus excavated material</u>			
3	Off site to be located by the contractor	m3	14	
	<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	6	
	<u>COMPACTION</u>			
	Carried Forward		R	
	Section No. 3			
	Bill No. 2			
	Open Walkways (Provisional)			

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	Brought Forward			R
	<u>Compaction of surfaces</u>			
5	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 95% Mod. AASHTO density	m2	40	
	<u>SOIL POISONING</u>			
	<u>Soil insecticide in accordance to SANS 5859</u>			
6	Under concrete walkways, etc	m2	40	
	<u>CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)</u>			
	<u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u>			
	<u>25MPa/19mm Concrete</u>			
7	Surface beds cast in panels	m3	8	
	<u>TEST BLOCKS</u>			
	<u>Test blocks</u>			
8	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	2.00	
	<u>CONCRETE SUNDRIES</u>			
	<u>Finishing top surfaces of concrete with a wood float finish</u>			
9	Surface beds, slabs, etc. not exceeding 300mm high	m2	40	
	<u>ROUGH FORMWORK (PROVISIONAL)</u>			
	<u>Rough formwork to sides</u>			
10	Aprons slabs, paving, walkways and ramps	m	102	
	Carried Forward			R
	Section No. 3			
	Bill No. 2			
	Open Walkways (Provisional)			

Brought Forward			R
<u>MOVEMENT JOINTS, ETC</u>			
<u>Expansion joints with 10mm softboard between vertical concrete and brick surfaces</u>			
11	10mm Joints not exceeding 300mm high	m	40
<u>REINFORCEMENT (PROVISIONAL)</u>			
<u>Fabric reinforcement</u>			
12	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	40
<u>WATERPROOFING (PROVISIONAL)</u>			
<u>JOINT SEALANTS, ETC</u>			
<u>"ABE Flexothane" or equal approved two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc</u>			
13	10 x 13mm In expansion joints in vertical concrete / brick surfaces including raking out expansion joint filler as necessary	m	40
Carried to Final Summary of Section No. 3			R
Section No. 3			
Bill No. 2			
Open Walkways (Provisional)			

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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	56
<u>Extra over trench and hole excavation in earth for excavation in</u>			
2	Hard rock	m3	12
<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	12
<u>EARTH FILLING, ETC</u>			
Note: All filing 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			
<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	44
Carried Forward			R
Section No. 3 Bill No. 3 Water Tanks (Provisional)			

Brought Forward				R
<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	70	
<u>TESTS</u>				
<u>Prescribed density tests on filling</u>				
7	Modified AASHTO Density test	No	8	
<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	70	
<u>CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)</u>				
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				
<u>10MPa Concrete</u>				
9	Surface blinding under footings, bases, etc	m3	6	
<u>REINFORCED CONCRETE CAST AGAINST/ON FORMWORK</u>				
Carried Forward				R
Section No. 3 Bill No. 3 Water Tanks (Provisional)				

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Section No. 3
Bill No. 3
Water Tanks (Provisional)

Section No. 3
Bill No. 3
Water Tanks (Provisional)

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R

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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 4</u>			
	<u>STORMWATER DRAINAGE (PROVISIONAL)</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)			
	<u>uPVC Class 34 pipes</u>			
1	250mm Pipes laid in ground including excavation not exceeding 1m deep	m	110	
	<u>Extra over uPVC pipe for Class 34 fittings</u>			
2	250mm Bend	No	51	
3	250mm Junction	No	51	
	<u>Sumps, manholes, catchpits, etc</u>			
4	Excavate for and build brick stormwater manhole, overall size 1000 x 1000mm not exceeding 1000mm deep to invert fitted with and including heavy duty precast concrete manhole cover and frame including excavations, etc	No	3	
5	Excavate for and build brick stormwater sump, overall size 600 x 600mm not exceeding 1000mm deep to invert fitted with and including 550 x 550mm cast iron grating including excavations, etc	No	5	
	<u>Headwall</u>			
6	Stormwater head wall outlet formed of 220mm brick wall 600mm high x 1000mm long with two 220mm brick 45 degree splayed wing walls 600mm high x 1000mm long, the wall on and including 200mm thick (20Mpa/19mm) concrete surface bed with a 1:5 fall with brick/stone pitching, including cutting through brick wall for 200mm pipe	No	6	
	Carried Forward			
	Section No. 3 Bill No. 4 Stormwater Drainage (Provisional)		R	

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Brought Forward		R
<u>Testing</u>		
7	Allow for testing the whole of the Stormwater Drainage to the satisfaction of the Principal Agent and Local Authorities. All defective work is to be taken out and replaced at the Contractor's expense and the whole re-tested until found satisfactory	Item
Carried to Final Summary of Section No. 3		R
Section No. 3		
Bill No. 4		
Stormwater Drainage (Provisional)		

Item No	Quantity	Rate	Amount
<u>SECTION NO. 3</u>			
<u>BILL NO. 5</u>			
<u>RETAINING STRUCTURES (ALL TRADES)(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	Trenches, foundation beams, etc	m3	0.5
<u>CARTING AWAY</u>			
<u>Extra over all excavations for loading, carting and dumping surplus excavated material</u>			
2	Off site to be located by the Contractor	m3	0.4
<u>Risk of collapse of excavations</u>			
3	Sides of trench and hole excavations not exceeding 1,5m deep.	m2	2
<u>Keeping excavations free of water</u>			
4	Keeping excavations free of all water other than subterranean water	Item	
<u>FILLING ETC</u>			
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density</u>			
5	Over site to make up levels	m3	0.1
Carried Forward			R
Section No. 3 Bill No. 5 Retaining Structures (Provisional)			

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Brought Forward			R
<u>Earth filling supplied by the contractor under floors, etc</u>			
6	150mm G2 Material in accordance with SABS 1200 DM compacted to 98% Mod. AASHTO density to make up levels	m3	0.1
<u>COMPACTION</u>			
<u>Compaction of surfaces</u>			
7	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 95% Mod. AASHTO density	m2	1
<u>Prescribed density tests on filling</u>			
8	"Modified AASHTO Density" test	No	2
9	"Field Density" test including "Optimum Moisture Content" (four readings per test)	No	2
<u>SOIL POISONING</u>			
<u>Soil insecticide</u>			
10	Under floors, etc. including forming and poisoning shallow furrows against foundation walls, etc., filling in furrows and ramming	m2	3
<u>CONCRETE, FORMWORK AND REINFORCEMENT(PROVISIONAL)</u>			
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>25 MPa/19mm Concrete</u>			
11	Foundation beams	m3	0.1
Carried Forward			R
Section No. 3 Bill No. 5 Retaining Structures (Provisional)			

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Brought Forward			R
	<u>Finishing top surfaces of concrete with a wood float finish</u>		
12	Tops of beams, etc	m2	1
	<u>REINFORCEMENT (PROVISIONAL)</u>		
	<u>Fabric reinforcement</u>		
13	Type 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	1
	<u>MASONRY (PROVISIONAL)</u>		
	<u>SUBSTRUCTURE BRICKWORK</u>		
	<u>Brickwork of NFX (14 MPa nominal compressive strength) clay imperial bricks in cement mortar</u>		
14	One brick wall	m2	0.3
	<u>SUPERSTRUCTURE BRICKWORK</u>		
	<u>Brickwork of NFP clay bricks (14 MPa nominal compressive strength) clay imperial bricks in cement mortar</u>		
15	One brick wall	m2	1
	<u>BRICKWORK SUNDRIES</u>		
	<u>Bagging of 1:3 cement and sand mixture</u>		
16	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	1
	<u>Brickwork reinforcement</u>		
17	150mm Wide reinforcement built in horizontally	m	12
	<u>FACE BRICKWORK</u>		
Carried Forward			R
Section No. 3 Bill No. 5 Retaining Structures (Provisional)			

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	Brought Forward		R
18	One brick walls in stretcher bond m2	1	
Carried to Final Summary of Section No. 3			R
Section No. 3 Bill No. 5 Retaining Structures (Provisional)			

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Bill No	SECTION SUMMARY - EXTERNAL WORKS (PROVISIONAL)	Page No	Amount
1	Aprons and V-Drains (Provisional)	65	
2	Open Walkways (Provisional)	68	
3	Water Tanks (Provisional)	73	
4	Stormwater Drainage (Provisional)	75	
5	Retaining Structures (Provisional)	79	
<p style="text-align: right;">Carried to Final Summary Page</p> <p>Section No. 3</p>			<p style="text-align: center;">R</p>

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Item No		Quantity	Rate	Amount
	<u>SECTION NO.4</u>			
	<u>BILL NO.1</u>			
	<u>BUDGETARY ALLOWANCES (PROVISIONAL)</u>			
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017 Edition)			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>General</u>			
	Prime cost amounts and provisional sums are NET. Prime cost amounts include for delivery to site of all articles concerned			
	Provisional sums are for material and equipment supplied and installed complete by firms of specialists			
	<u>Profit</u>			
	Where stated, the contractor may allow for profit if required			
	<u>General attendance on nominated/selected subcontractors</u>			
	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:			
	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			
	Carried Forward		R	
	Section No. 4 Bill No. 1 Budgetary Allowances (Provisional)			

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Brought Forward		R
<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.		
7	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.	PS 197 829.42
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		R
Section No. 4		
Bill No. 1		
Budgetary Allowances (Provisional)		

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Item No	Quantity	Rate	Amount
<u>SECTION NO. 5</u>			
<u>BILL NO. 1</u>			
<u>ELECTRICAL INSTALLATION</u>			
<u>(PROVISIONAL)</u>			
The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)			
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.			
1	Electrical installation (transferred from page 29 of the Electrical BOQ)	SUM	
Carried to Final Summary Page			R
Section No. 5			
Bill No. 1			
Electrical Installation (Provisional)			

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