

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			
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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:	
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	
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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 times Clause 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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	<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>		
10	<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>	Item	
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11	A11.0 LIABILITY INSURANCES Clause 11.0 Fixed: _____ Value related: _____ Time related: _____	Item	
12	A12.0 EFFECTING INSURANCES Clause 12.0 Fixed: _____ Value related: _____ Time related: _____ 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	Item	
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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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23	A23.0 CONTRACTOR'S DOMESTIC SUBCONTRACTORS Clause 23.0 Fixed:_____ Value related:_____ Time related:_____ <u>COMPLETION</u>	Item	
24	A24.0 PRACTICAL COMPLETION Clause 24.0 Fixed:_____ Value related:_____ Time related:_____ 	Item	
25	A25.0 WORKS COMPLETION Clause 25.0 Fixed:_____ Value related:_____ Time related:_____ 	Item	
26	A26.0 FINAL COMPLETION Clause 26.0 Clause 26.1.2 is amended by inserting "#" next to 26.1.2 Fixed:_____ Value related:_____ Time related:_____ 	Item	
27	A27.0 LATENT DEFECTS LIABILITY PERIOD Clause 27.0 Fixed:_____ Value related:_____ Time related:_____ 	Item	
28	A28.0 SECTIONAL COMPLETION Clause 28.0 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	Payment shall be subject to the employer giving the contractor a tax invoice for the amount due Fixed:_____ Value related:_____ Time related:_____	Item		
32	A32.0 ADJUSTMENT TO THE CONTRACT VALUE Clause 32.0 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" Fixed:_____ Value related:_____ Time related:_____	Item		
33	A33.0 RECOVERY OF EXPENSE AND LOSS Clause 33.0 Fixed:_____ Value related:_____ Time related:_____	Item		
34	A34.0 FINAL ACCOUNT AND FINAL PAYMENT Clause 34.0 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" Fixed:_____ Value related:_____ Time related:_____	Item		
35	A35.0 PAYMENT TO OTHER PARTIES Clause 35.0 Fixed:_____ Value related:_____ Time related:_____	Item		
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	<p><u>CANCELLATION</u></p> <p>A36.0 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT</p> <p>Clause 36.0</p> <p>Clause 36.1 is amended by the addition of the following clauses: 36.1.3 refuses or neglects to comply strictly with any of the conditions of contract 36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa 36.1.5 in the judgement of the employer, has engaged in corrupt or fraudulent practices in competing for or in executing the contract Clause 36.3 is amended by removing the reference to "No clause" and replacing the words "principal agent" with "employer"</p> <p>Clause 36.0 is amended by the addition of the following clause:</p>		
36	<p>36.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> <p>A37.0 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE</p> <p>Clause 37.0</p> <p>Clause 37.3.5 is amended by replacing "ninety (90)" with "one hundred and twenty (120)"</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>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		
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	<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		
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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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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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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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	<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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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: _____ 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	Item	
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<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	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		
106	C6.0 COMMENCEMENT OF WORKS IN SECURITY AREAS 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 Fixed: _____ Value related: _____ Time related: _____	Item		
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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		
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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, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the 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	
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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	
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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			
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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	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 442m 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	82	
Carried Forward				R
Section No. 2 Bill No. 1 Alterations and Demolitions (Provisional)				

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	Brought Forward			R
4	150mm Thick reinforced concrete surface bed	m2	190	
5	2500 x 2500 x 300mm High mass concrete JoJo tank stand	No	3	
	<u>Breaking down and removing brickwork, etc</u>			
6	Half brick wall in beamfilling	m2	53	
	<u>Breaking down and removing blockwork, etc</u>			
7	Block wall in beamfilling	m2	10	
	<u>Taking out and removing doors, windows, etc from blockwork to remain</u>			
8	Timber single door and steel door frame 900 x 2100mm high overall	No	8	
	<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 roof trusses, purlins, underlay, etc complete and the provision of a certificate of safe disposal for asbestos and weighbridge receipt	m2	662	
10	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	62	
11	Ridge capping to corrugated roof sheeting	m	40	
12	Existing marseille roof tiles covering including timber purlins, underlay, etc in patches	m2	10	
13	Ridge capping to marseille roof tiles	m	37	
14	Verge capping to marseille roof tiles	m	19	
15	Gypsum plasterboard ceilings including cornices, timber brandering, etc	m2	442	
	Carried Forward			R
	Section No. 2			
	Bill No. 1			
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	Brought Forward			R
16	Gypsum plasterboard ceilings including cornices, timber bandering, etc in patches	m2	110	
17	Fibre cement fascia boards and fixings	m	272	
18	Fibre cement barge boards and fixings	m	141	
19	uPVC rainwater gutters and fixings	m	24	
20	uPVC rainwater downpipes and fixings	m	8	
21	Aluminium rainwater gutters and fixings	m	249	
22	Aluminium rainwater downpipes and fixings	m	120	
	<u>Taking out and removing ironmongery</u>			
23	Mortice lockset from timber door	No	3	
24	132mm Brass window handles L/H and R/H	No	34	
25	175mm Brass plated sliding stay	No	12	
	<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>			
26	25mm Screed from floors	m2	98	
27	25mm Screed from floors in patches	m2	50	
28	Internal plaster from walls in patches	m2	15	
29	External plaster from walls in patches	m2	70	
	<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>			
30	uPVC WC pedestal and seat, including short lengths of piping, etc	No	14	
	Carried Forward			R
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	Brought Forward			R
31	uPVC wash hand basin, including short lengths of piping, etc	No	3	
32	Stainless steel urinal, including short lengths of piping, etc	No	1	
33	5000 Litre JoJo tank	No	3	
	<u>Taking out and removing glass, mirror, etc</u>			
34	Glass from steel windows including cleaning out rebates and preparing for new glass (elsewhere measured)	m2	36	
	<u>Repairs to structural cracks, etc</u>			
35	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	6	
	<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>			
36	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 eight (8) calendar months	No	3	
	Carried Forward			R
	Section No. 2 Bill No. 1 Alterations and Demolitions (Provisional)			

Brought Forward					
<u>TEMPORARY ABLUTIONS</u>					
37	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	8		R
<p style="text-align: right;">Carried to Final Summary of Section No. 2</p> <p>Section No. 2 Bill No. 1 Alterations and Demolitions (Provisional)</p>					R

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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	19	
	<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	19	
	<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	19	
	<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	190	
	Carried Forward			
	Section No. 2			
	Bill No. 2			
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			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	82	
	<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	190	
10	Under floors, etc. including forming and poisoning shallow furrows against foundation walls, etc., filling in furrows and ramming (walkway)	m2	82	
	<u>CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)</u>			
	<u>REINFORCED CONCRETE</u>			
	<u>25MPa/19mm Concrete</u>			
11	Surface beds cast in panels	m3	19	
12	Surface beds cast in panels (walkway)	m3	8	
	<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	
	Carried Forward			R
	Section No. 2 Bill No. 2 New Work to Existing Buildings (Provisional)			

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Brought Forward			R
<u>CONCRETE SUNDRIES</u>			
<u>Finishing top surfaces of concrete smooth with power float</u>			
14	Surface beds, slabs, etc	m2	190
15	Surface beds, slabs, etc (walkway)	m2	82
<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	6
<u>ROUGH FORMWORK (PROVISIONAL)</u>			
<u>Rough Formwork to Sides</u>			
17	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	84
18	Edges, risers, ends and reveals not exceeding 300mm high or wide (walkway)	m	102
<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	84
<u>Saw-cut joints</u>			
20	3 x 40mm Saw-cut joints in top of concrete	m	21
<u>REINFORCEMENT (PROVISIONAL)</u>			
<u>Mild steel reinforcement to repairs to existing structural crack</u>			
21	8mm Diameter bars	t	0.01
Carried Forward			R
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Brought Forward			R
<u>Fabric reinforcement</u>			
22	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	190
23	Type 193 fabric reinforcement in concrete surface beds, slabs, etc (walkway)	m2	82
<u>MASONRY (PROVISIONAL)</u>			
<u>SUPERSTRUCTURE BRICKWORK</u>			
<u>Brickwork of NFP bricks in class II mortar</u>			
24	Half brick wall in beamfilling	m2	53
<u>SUPERSTRUCTURE BLOCKWORK</u>			
<u>Blockwork of M190 cement blocks in class II mortar</u>			
25	Block wall in beamfilling	m2	10
<u>BRICKWORK SUNDRIES</u>			
<u>Brickwork reinforcement</u>			
26	75mm Wide reinforcement built in horizontally	m	212
<u>Blockwork reinforcement</u>			
27	150mm Wide reinforcement built in horizontally	m	40
<u>Galvanised hoop iron cramps, ties, etc</u>			
28	30 x 1.6mm Roof tie 1,6m long with one end fixed to timber and other end built into brickwork, including "M12 Fischer Excalibur screwbolts" as per Engineers standard detail	No	114
29	30 x 1.6mm Roof tie 1,6m long with one end fixed to timber and other end built into blockwork, including "M12 Fischer Excalibur screwbolts" as per Engineers standard detail	No	22
<u>WATERPROOFING (PROVISIONAL)</u>			
Carried Forward			R
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	Brought Forward			R	
	<u>DAMP-PROOFING OF WALLS AND FLOORS</u>				
	<u>One layer of 250 micron "Consol Plastic Gunplas USB Green" or other approved waterproof sheeting Type C, sealed at laps with "Gunplas Pressure Sensitive Tape"</u>				
30	Under surface beds, slabs, etc	m2	190		
31	Under surface beds, slabs, etc (walkway)	m2	82		
	<u>WATERPROOFING TO ROOFS, BASEMENTS, ETC.</u>				
	<u>Five coats "Acrylastic" or other equal and approved fibre reinforced heavy duty maintenance free acrylic waterproofing</u>				
32	Over roof screws	m2	505		
	<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>				
33	10 x 13mm In expansion joints in vertical concrete / brick surfaces including raking out expansion joint filler as necessary	m	84		
34	3 x 40mm In saw cut joints including reaming out 8 x 35mm in concrete surface	m	21		
	<u>ROOF COVERINGS, ETC (PROVISIONAL)</u>				
	<u>CONCRETE ROOF TILING AND ACCESSORIES</u>				
	<u>"Marseille" or other approved Standard roof tiles size 240mm wide x 410mm long laid with straight-bond and fixed with non-corrodible tile nails and/or clips fixed to sawn softwood battens on underlay all in accordance to manufacturer's instructions (battens and underlay elsewhere measured)</u>				
35	Roof covering with pitch not exceeding 25 degrees	m2	10		
	Carried Forward			R	
	Section No. 2				
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Brought Forward			R
36	Ridge tiles to match roofing tiles bedded and pointed in 1:3 cement mortar tinted to match tile colour	m	37
37	Verge capping tiles to match roofing tiles fixed with non-corrosive fixing accessories	m	19
<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
<u>0.5mm Thick "Safintra AZ150ZincAl" or equal and approved IBR profile pre-painted finish aluminium sheeting in single lengths fixed to timber purlins (elsewhere measured), and fixed strictly in accordance with the manufacturer's instructions, colour to Architect's approval</u>			
38	Roof covering with pitch not exceeding 25 degrees	m2	724
39	Standard galvanised ridge capping (550mm girth) screwed through sheeting to purlins	m	98
40	Sondor IBR pattern polyclosures to undersides of ridge capping	m	196
41	Moulded narrow and broad rib polyethelene filler blocks	m	196
<u>ROOF AND WALL INSULATION</u>			
<u>"Sisalation 420" or equal approved heavy industrial grade aluminium foil based insulation</u>			
42	Insulation laid taut over purlins (at approximately 450mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	724
<u>CARPENTRY AND JOINERY (PROVISIONAL)</u>			
<u>ROOFS ETC</u>			
Carried Forward			R
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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>			
43	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 82m2 (on flat floor area inclusive of overhangs, etc.) - Block E	Item	
44	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 234m2 (on flat floor area inclusive of overhangs, etc.) - Block A	Item	
Carried Forward			R
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	Brought Forward			R
45	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 236m2 (on flat floor area inclusive of overhangs, etc.) - Block B		Item	
46	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>			
47	38 x 114mm Bolted wall plates	m	137	
48	76 x 50mm Purlins	m	838	
49	76 x 228mm Rafters	m	59	
50	76 x 114mm False timber rafter fixed onto truss for barge boards	m	413	
	<u>SUNDRIES</u>			
	<u>Hurricane clips fixed to timber purlins and trusses</u>			
51	Hurricane clips	No	2 020	
	<u>EAVES, VERGES, ETC</u>			
	<u>"Pressed Nutec" or other approved fibre cement boards</u>			
52	12mm x 225mm Fascia boards including aluminium H-profile fascia joiners fixed with galvanised screws and washers	m	272	
53	10 x 80 x 200mm Barge boards including H profile jointing strips	m	141	
	Carried Forward			R
	Section No. 2			
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Brought Forward				R
<u>DOORS, ETC</u>				
<u>"Wrought Meranti" or other approved doors</u>				
54	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	8	
<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>				
55	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	552	
56	Extra over ceiling for 600 x 600mm trap door	No	11	
<u>Gypsum Plasterboard Cornice</u>				
57	75mm Coved cornices	m	352	
<u>IRONMONGERY (PROVISIONAL)</u>				
<u>HINGES, BOLTS, ETC.</u>				
58	Solid Art 294 WC or equal and approved anodised aluminium mortice indicator bolt	No	8	
<u>"Dorma" or equal and approved</u>				
59	"DRR-SS-012" 102 x 75 x 3mm Stainless steel rising butt hinge	No	24	
Carried Forward				R
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	Brought Forward			R
	<u>LOCKS</u>			
	<u>"Union" or equal and approved</u>			
60	" 2261-76SS" Four lever lockset	No	3	
	<u>WINDOW MECHANISMS</u>			
	<u>New Window Mechanisms</u>			
61	Howick Metal or other approved 132mm brass window handle R/H, including brackets, etc	No	17	
62	Howick Metals or other approved 132mm brass window handle L/H, including brackets, etc	No	17	
63	175mm Brass sliding stay	No	12	
	<u>SUNDRIES</u>			
	<u>Manufactured by "Union" or equal and other approved</u>			
64	50mm diameter rubber door stop	No	11	
	<u>METALWORK (PROVISIONAL)</u>			
	<u>GALVANISED MILD STEEL GATES</u>			
	<u>Welded screens and gates to galvanised steel frame</u>			
65	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	2	
	<u>HOT DIPPED GALVANISED MILD STEEL DOOR FRAMES</u>			
	<u>1,2mm Rebated frames suitable for block walls</u>			
66	Frame for door 813 x 2032mm high	No	8	
	<u>PLASTERING (PROVISIONAL)</u>			
	Carried Forward			R
	Section No. 2			
	Bill No. 2			
	New Work to Existing Buildings (Provisional)			

Brought Forward			R
<u>SCREEDS</u>			
<u>Screeds steel trowelled, on concrete</u>			
67	25mm Thick on floors and landings	m2	420
<u>INTERNAL PLASTER</u>			
<u>Cement plaster on brickwork</u>			
68	On walls	m2	53
<u>Cement plaster on blockwork</u>			
69	On walls	m2	10
70	On existing walls in patches	m2	15
<u>EXTERNAL PLASTER</u>			
<u>Cement plaster on brickwork</u>			
71	On walls	m2	53
<u>Cement plaster on blockwork</u>			
72	On walls	m2	10
73	On existing walls in patches	m2	70
<u>PLUMBING AND DRAINAGE</u>			
<u>(PROVISIONAL)</u>			
<u>RAINWATER DISPOSAL</u>			
<u>Seamless aluminium</u>			
74	150 x 150mm Box gutters with white baked enamel finish fixed with external brackets	m	274
75	Extra over eaves gutter for stopped end	No	26
Carried Forward			R
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	Brought Forward			R
76	Extra over eaves gutter for drop box suitable for 150 x 150mm box gutter	No	32	
77	100 x 76mm Fluted aluminium downpipes with white baked enamel finish	m	128	
78	Extra over rainwater downpipe for bends	No	128	
79	Extra over rainwater downpipe for shoes	No	47	
<u>SANITARY FITTINGS</u>				
<u>"Atlas Plastics (Pty) Ltd" or equal and approved</u>				
80	Atlas Plastics "SC urinal" (Code 496AP) colour Granite with 40mm waterless waste - 496 (Code: 101228), overall size 350 x 320 x 470mm high plugged and screwed to wall with galvanised screws and brackets	No	1	
81	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	14	
82	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	3	
<u>TAPS, VALVES, ETC</u>				
<u>"Cobra Watertech" or other approved</u>				
83	15mm Chromium plated 'Star 136-15' stopcock	No	3	
84	15mm Chromium plated 'Star 106-15' basin bibtap	No	3	
<u>SANITARY PLUMBING</u>				
<u>Black uPVC UV stabilised pipes</u>				
85	110mm Vent pipes	m	35	
Carried Forward				R
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Brought Forward			R
<u>Extra over Black uPVC UV stabilised pipes for fittings</u>			
86	Vent cowl formed of 110mm vent valve with top cut off and black shade cloth fixed over end of vent pipe	No	14
<u>uPVC pipes</u>			
87	50mm Pipes	m	25
<u>Extra over uPVC pipes for fittings</u>			
88	50mm Bend	No	11
89	50mm Junction	No	6
90	50mm Access bend	No	8
<u>WATER SUPPLIES</u>			
<u>Class 0 copper pipes</u>			
91	28mm Pipes	m	25
<u>Extra over class 0 copper pipes for capillary fittings</u>			
92	28mm Fittings	No	30
<u>Extra over class 0 copper pipes for brass compression fittings</u>			
93	28mm Fittings	No	10
<u>TESTING</u>			
94	Allow for testing the whole of the sanitary plumbing and water supply	Item	
<u>GLAZING (PROVISIONAL)</u>			
<u>GLAZING TO STEEL WITH PUTTY</u>			
<u>4mm Thick clear float glass</u>			
95	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	36
Carried Forward			R
Section No. 2 Bill No. 2 New Work to Existing Buildings (Provisional)			

Brought Forward			R
<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>			
96	On internal walls	m2	78
<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>			
97	On external walls	m2	133
<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>			
98	On ceilings and cornices	m2	552
<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>			
99	On fascias and barge boards	m2	163
<u>ON WOOD</u>			
Carried Forward			R
Section No. 2 Bill No. 2 New Work to Existing Buildings (Provisional)			

	Brought Forward		R
	<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>		
100	On roof timbers at eaves and verges	m2	137
	<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>		
101	On doors	m2	44
	<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>		
102	On internal walls	m2	1 980
	<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>		
103	On external walls	m2	986
	<u>ON PLASTER BOARD</u>		
	<u>Prepare, brush surface to remove all loose contaminants and apply one coat "Timesaver" or equal approved alkali resistant primer, and two coats "Plascon Polvin" or equal approved super acrylic PVA Colour: White</u>		
104	On ceilings and cornices	m2	322
	<u>ON METAL</u>		
	Carried Forward		R
	Section No. 2 Bill No. 2 New Work to Existing Buildings (Provisional)		

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	Brought Forward			R
	<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>			
105	Steel windows, frames, etc. (both sides measured over the full flat area)	m2	321	
106	Door frames	m2	24	
	<u>Remove all loose contaminants, rust, etc., apply one coat of approved roof sheeting primer, one base coat and one finishing coat of approved roof sheeting paint</u>			
107	On corrugated steel roof sheeting	m2	505	
	<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>			
108	On doors	m2	134	
Carried to Final Summary of Section No. 2				R
Section No. 2				
Bill No. 2				
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)		59	
Carried to Final Summary Page				R
Section No. 2				

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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	66	
	<u>EXCAVATION OTHER THAN BULK</u>			
	<u>Excavation in earth not exceeding 2m deep</u>			
2	Reduced levels under floors	m3	9	
	<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	9	
	<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	66	
	Carried Forward			
	Section No. 3 Bill No. 1 Aprons and V-Drains (Provisional)		R	

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	66
<u>CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)</u>			
<u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u>			
<u>20MPa/19mm Concrete</u>			
6	Surface beds, slabs, etc to falls and currents	m3	9
<u>CONCRETE SUNDRIES</u>			
<u>Finishing top surfaces of concrete with a wood float finish</u>			
7	Concrete channel to falls	m2	70
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II) (PROVISIONAL)</u>			
<u>Rough formwork to sides</u>			
8	V drains, paving and ramps not exceeding 300mm high	m	66
<u>MOVEMENT JOINTS, ETC</u>			
<u>Expansion joints with 10mm softboard between vertical concrete and brick surfaces</u>			
9	10mm Joints not exceeding 300mm high	m	66
<u>REINFORCEMENT (PROVISIONAL)</u>			
Carried Forward			R
Section No. 3 Bill No. 1 Aprons and V-Drains (Provisional)			

	Brought Forward	R
<u>Fabric reinforcement</u>		
10 Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	66
<u>WATERPROOFING (PROVISIONAL)</u>		
<u>JOINT SEALANTS, ETC</u>		
" <u>ABE Flexothane"</u> or equal approved two-part grey <u>polysulphide sealing compound including backing</u> <u>cord, bond breaker, primer, etc</u>		
11 10 x 13mm In expansion joints in vertical concrete / brick surfaces including raking out expansion joint filler as necessary	m	66
Carried to Final Summary of Section No. 3		R
Section No. 3		
Bill No. 1		
Aprons and V-Drains (Provisional)		

Item No	Quantity	Rate	Amount
<u>SECTION NO. 3</u>			
<u>BILL NO. 2</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	36
<u>Extra over trench and hole excavation in earth for excavation in</u>			
2	Hard rock	m3	6
<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	24
<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			
<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	24
Carried Forward			R
Section No. 3 Bill No. 2 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	42
<u>TESTS</u>			
<u>Prescribed density tests on filling</u>			
7	Modified AASHTO Density test	No	6
8	"Field Density" test including "Optimum Moisture Content" (four readings per test)	No	6
<u>SOIL POISONING</u>			
<u>Soil insecticide in accordance to SANS 5859</u>			
9	Under floors, etc., including forming and poisoning shallow furrows against foundation walls, etc., filling in furrows and ramming	m2	78
<u>CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)</u>			
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>10MPa Concrete</u>			
10	Surface blinding under footings, bases, etc	m3	6
Carried Forward			R
Section No. 3 Bill No. 2 Water Tanks (Provisional)			

Brought Forward				R
<u>REINFORCED CONCRETE CAST AGAINST/ON FORMWORK</u>				
<u>25MPa/19mm Concrete</u>				
11	Surface beds	m3	6	
12	Bases	m3	12	
<u>CONCRETE SUNDRIES</u>				
<u>Finishing top surfaces of concrete with a wood float</u>				
13	Surface beds, slabs, etc	m2	42	
<u>Test blocks</u>				
14	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>				
15	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	60	
<u>Boxing in smooth formwork to form</u>				
16	50mm Horizontal chamfer at corner	m	60	
<u>REINFORCEMENT (PROVISIONAL) (CPAP WORK GROUP NO. 114)</u>				
<u>Mild steel reinforcement to structural concrete work</u>				
17	10mm Diameter bars	t	0.480	
<u>MASONRY (PROVISIONAL)</u>				
<u>BRICKWORK IN FOUNDATIONS</u>				
Carried Forward				R
Section No. 3 Bill No. 2 Water Tanks (Provisional)				

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	Brought Forward			R	
	<u>Brickwork of NFX (14 MPa nominal compressive strength) clay imperial bricks in cement mortar</u>				
18	One brick wall	m2	48		
	<u>BRICKWORK IN SUPERSTRUCTURE</u>				
	<u>Brickwork of NFP Bricks in Class II mortar</u>				
19	One brick wall	m2	24		
	<u>BRICKWORK SUNDRIES</u>				
	<u>Bagging of 1:3 cement and sand mixture</u>				
20	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	24		
	<u>Brickwork reinforcement</u>				
21	150mm Wide reinforcement built in horizontally	m	276		
	<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>				
22	Extra over brickwork for face brickwork	m2	24		
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>				
	<u>WATER SUPPLIES AND FIRE SERVICES</u>				
	<u>TAPS, VALVES, ETC</u>				
	<u>"Cobra Watertech" or other approved</u>				
23	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		
	Carried Forward			R	
	Section No. 3				
	Bill No. 2				
	Water Tanks (Provisional)				

Brought Forward		R
<u>TANKS, ETC</u>		
<u>Polyethylene drinking water tanks</u>		
24	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
<p align="center">Carried to Final Summary of Section No. 3</p> <p>Section No. 3 Bill No. 2 Water Tanks (Provisional)</p>		R

Item No	Quantity	Rate	Amount
<u>SECTION NO. 3</u>			
<u>BILL NO. 3</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	19
<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	15
<u>Risk of collapse of excavations</u>			
3	Sides of trench and hole excavations not exceeding 1,5m deep.	m2	64
<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	5
Carried Forward			R
Section No. 3 Bill No. 3 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	4
7	150mm G5 Material in accordance with SABS 1200 DM compacted to 98% Mod. AASHTO density	m3	4
<u>COMPACTION</u>			
<u>Compaction of surfaces</u>			
8	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	24
<u>Prescribed density tests on filling</u>			
9	"Modified AASHTO Density" test	No	2
10	"Field Density" test including "Optimum Moisture Content" (four readings per test)	No	2
<u>SOIL POISONING</u>			
<u>Soil insecticide</u>			
11	Under floors, etc. including forming and poisoning shallow furrows against foundation walls, etc., filling in furrows and ramming	m2	104
<u>CONCRETE, FORMWORK AND REINFORCEMENT(PROVISIONAL)</u>			
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>25 MPa/19mm Concrete</u>			
12	Foundation beams	m3	4
Carried Forward			R
Section No. 3 Bill No. 3 Retaining Structures (Provisional)			

Section No. 3
Bill No. 3
Retaining Structures (Provisional)

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Brought Forward			R
<u>"Corobrik Travertine FBA" or equal and approved face bricks in stretcher bond with flush joints on both sides</u>			
19	One brick walls in stretcher bond	m2	20
<p style="text-align: right;">Carried to Final Summary of Section No. 3</p> <p>Section No. 3 Bill No. 3 Retaining Structures (Provisional)</p>			R

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Bill No		Page No	Amount
1	Aprons and V-Drains (Provisional)	63	
2	Water Tanks (Provisional)	68	
3	Retaining Structures (Provisional)	72	
Section No. 3			R

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> <ol style="list-style-type: none"> 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 Making good in all trades and cleaning down and removal of rubbish on completion 			
<p>Carried Forward</p> <p>Section No. 4 Bill No. 1 Budgetary Allowances (Provisional)</p>		R	

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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>Community Liaison Officer</u>		
4	Allow the sum of R100000(One Hundred ThousandRand)for Community Liason Officer	
	Item	100 000.00
5	Add for admin/handling fee on the above	
	Item	
MINIMUM TARGETED ENTERPRISE DEVELOPMENT		
6	A provisional amount has been allowed for in the execution of this project as described in C3.1 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.	
	PS	105 039.00
7	Allowance for profit all inclusive of associated costs to the contractor for implementation.	%
8	Allowance for attendance all inclusive of associated costs to the contractor for implementation.	%
Carried to Final Summary Page		R
Section No. 4		
Bill No. 1		
Budgetary Allowances (Provisional)		

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