

Item No		Unit	Quantity	Rate	Amount
	<p><u>PRELIMINARIES</u></p> <p><u>MEANING OF TERMS "TENDER / TENDERER"</u></p> <p>Any reference to the words "Tender" or "Tenderer" herein and/or in any other documentation shall be construed to have the same meaning as the words "Bid" or "Bidder"</p> <p><u>PRELIMINARIES</u></p> <p>The JBCC Preliminaries Code 2103, May 2005 edition for use with the JBCC Principal Building Agreement Edition 4.1 Code 2101, March 2005 is taken to be incorporated herein. The tenderer is deemed to have referred to these documents for the full intent and meaning of each clause. These clauses are referred to by number and heading only. Where standard clauses or options are not applicable to the contract such modifications or corrections as are necessary are given under each relevant clause. Where an item is not relevant to this specific contract such item is marked. "N/A" signifying "Not Applicable".</p> <p><u>PRICING OF PRELIMINARIES</u></p> <p>Should Option A, as set out in clause B10.3.1 hereinafter be used for the adjustment of preliminaries then each item priced is to be allocated to one or more of the three categories Fixed, Value Related or Time Related and the respective amounts entered in the spaces provided under each item</p> <p>Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities.</p> <p><u>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</u></p> <p><u>DEFINITIONS</u></p>				
1	<p>A1 DEFINITIONS AND INTERPRETATION</p> <p>Clause 1.0</p> <p>Clause 1.1 Definition of "Commencement Date" is added:</p> <p>"COMMENCEMENT DATE" means the date that the agreement, made in terms of the Form of Offer and Acceptance, comes into effect</p>				
	<p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries and General</p>				R

<p style="text-align: right;">Brought Forward</p> <p>Clause 1.1 Definition of "Construction Guarantee" is amended by replacing it with the following:</p> <p>"CONSTRUCTION GUARANTEE" means a guarantee at call obtained by the contractor from an institution approved by the employer in terms of the employer's construction guarantee form as selected in the schedule</p> <p>Clause 1.1 Definition of "Construction Period" is amended by replacing it with the following:</p> <p>"CONSTRUCTION PERIOD" means the period commencing on the commencement date and ending on the date of practical completion</p> <p>Clause 1.1 Definition of "Corrupt Practice" is added:</p> <p>"CORRUPT PRACTICE" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution</p> <p>Clause 1.1 Definition of "Fraudulent Practise" is added:</p> <p>"FRAUDULENT PRACTICE" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition.</p> <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>			R	
<p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries and General</p>			R	

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	<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 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 works "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> <p>No clause</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>OBJECTIVE AND PREPARATION</u></p>			
2	A2 OFFER, ACCEPTANCE AND PERFORMANCE		Item	
	<p>Clause 2.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>		Item	
3	A3 DOCUMENTS			
	<p>Clause 3.0</p> <p>Clause 3.2.1 is amended by replacing "14.1" with "14.0"</p> <p>Clause 3.7 is amended by the addition of the following:</p> <p>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</p> <p>Clause 3.10 is amended by replacing the second reference to "principal agent" with the word "employer"</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>		Item	
	Carried Forward			R
	<p>Section No. 1</p> <p>Bill No. 1</p> <p>Preliminaries and General</p>			

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4	A4 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 EMPLOYER'S AGENTS Clause 5.0 Clause 5.1.2 is amended to include clauses 32.6.3, 34.3 and 34.4 and 38.5.8 Fixed: _____ Value related: _____ Time related: _____	Item		
6	A6 SITE REPRESENTATIVE Clause 6.0 Fixed: _____ Value related: _____ Time related: _____	Item		
7	A7 COMPLIANCE WITH REGULATIONS Clause 7.0 Note: The provisions herein include <i>inter alia</i> , compliance with <u>all</u> the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993), and in particular with Regulation 5(1) requiring the compilation of a health and safety plan, as well as Regulation 6(1) requiring the appointment of a construction supervisor See also clause C10 of Section C - Specific Preliminaries Fixed: _____ Value related: _____ Time related: _____	Item		
	Carried Forward			R
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		Brought Forward			R
8	A8 WORKS RISK				
	Clause 8.0				
	Fixed: _____ Value related: _____ Time related: _____		Item		
9	A9 INDEMNITIES				
	Clause 9.0				
	Fixed: _____ Value related: _____ Time related: _____		Item		
10	A10 WORKS INSURANCES				
	Clause 10.0				
	Clause 10.0 is amended by the addition of the following clauses:				
	10.5 Damage to the Works				
	(a) Without in any way limiting the 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				
	(b) The contractor shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works				
	(c) The employer shall carry the risk of damage to or destruction of the works and material paid for by the employer that is the result of the excepted risks as set out in 10.6				
	(d) Where the employer bears the risk in terms of this contract, the contractor shall, if requested to do so, reinstate any damage or destroyed portions of the works and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof				
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<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 neglect 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 neglect of any person for whose actions the employer is legally liable</p> <p>(c) The contractor shall, upon receiving a contract instruction from the principal agent, cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the employer shall be entitled to cause it to be made good and to recover the cost thereof from the contractor or to deduct the same from amounts due to the contractor</p> <p>(d) The contractor shall be responsible for the protection and safety of such portions of the premises placed under his control by the employer for the purpose of executing the works until the issue of the certificate of practical completion</p> <p>(e) Where the execution of the works involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the contractor shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the works has been completed</p>	
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<p>Section No. 1 Bill No. 1 Preliminaries and General</p>	

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<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> <p>10.7.2 Injury to persons or loss of or damage to property</p> <p>The contractor shall be liable for and hereby indemnifies and holds harmless the employer against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above</p>				
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<p>Section No. 1 Bill No. 1 Preliminaries and General</p>				

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	<p>The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract</p> <p>10.7.3 It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the contractor's obligations in terms of the contract, the contractor shall, within twenty-one (21) calendar days of the commencement date but before commencement of the works, submit to the employer proof of such insurance policy, if requested to do so</p> <p>10.7.4 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>			
11	A11 LIABILITY INSURANCES		Item	
	<p>Clause 11.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>		Item	
12	A12 EFFECTING INSURANCES			
	<p>Clause 12.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>		Item	
13	A13.0 No clause		N/A	
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	<p>Section No. 1 Bill No. 1 Preliminaries and General</p>			

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14	A14 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 submitted by the contractor to the employer will be as a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT)				
	14.1.1 The payment reduction of the value certified in a payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(A)				
	14.1.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the payment reduction security or portions thereof to the contractor				
	14.2 In respect of contracts with a contract sum above R1 million, the contractor shall have the right to select the security to be provided in terms of 14.3, 14.4, 14.5, 14.6, or 14.7 as stated in the schedule . Such security shall be provided to the employer within twenty-one (21) calendar days from commencement date . Should the contractor fail to select the security to be provided or should the contractor fail to provide the employer with the selected security within twenty-one (21) calendar days from commencement date , the security in terms of 14.7 shall be deemed to have been selected.				
	14.3 Where security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected:				
	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				
	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				
	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				
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<p style="text-align: right;">Brought Forward</p> <p>14.3.4 On the date of payment of the amount in the final payment certificate, the employer shall refund the remainder of the cash deposit to the contractor</p> <p>14.3.5 The employer shall be entitled to recover expense and loss from the cash deposit in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof to the contractor</p> <p>14.3.6 The parties expressly agree that neither the employer nor the contractor shall be entitled to cede the rights to the deposit to any third party</p> <p>14.4 Where security as a variable construction guarantee of ten percent (10%) of the contract sum (excluding VAT) has been selected:</p> <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 practical completion</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries and General</p>			R	
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<p style="text-align: right;">Brought Forward</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> <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 <i>mutatis mutandi</i> 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 <i>mutatis mutandi</i> 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> <p style="text-align: right;">Carried Forward</p>			R	
<p>Section No. 1 Bill No. 1 Preliminaries and General</p>			R	

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	<p>14.8 Payments made by the guarantor to the employer in terms of the fixed or variable construction guarantee shall not prejudice the rights of the employer or contractor in terms of this agreement</p> <p>14.9 Should the contractor fail to furnish the security in terms of 14.2, the employer, in his sole discretion and without notification to the contractor, is entitled to change the contractor's selected form of security to that of a ten per cent (10%) payment reduction of the value certified in the payment certificate (excluding VAT), whereafter 14.7 shall be applicable</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>EXECUTION</u></p>			
15	<p>A15 PREPARATION FOR AND EXECUTION OF THE WORKS</p> <p>Clause 15.0</p> <p>Clause 15.1.1 is amended by replacing it with:</p> <p>No Clause</p> <p>Clause 15.1.2 is amended by replacing it with:</p> <p>The security selected in terms of 14.0</p> <p>Clause 15.1 is amended by the addition of the following clause:</p> <p>15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within twenty-one (21) calendar days of commencement date</p> <p>Clause 15.2.1 is amended by replacing it with the following clause:</p>		Item	
16	<p>Give the contractor possession of the site within ten (10) working days of the contractor complying with the terms of 15.1.4</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>		Item	
17	<p>A16 ACCESS TO THE WORKS</p> <p>Clause 16.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>		Item	
	Carried Forward			R
	<p>Section No. 1</p> <p>Bill No. 1</p> <p>Preliminaries and General</p>			

		Brought Forward			R
18	A17 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		
19	A18 SETTING OUT OF THE WORKS				
	Clause 18.0				
	Fixed: _____ Value related: _____ Time related: _____		Item		
20	A19 ASSIGNMENT				
	Clause 19.0				
	Fixed: _____ Value related: _____ Time related: _____		Item		
21	A20 NOMINATED SUB-CONTRACTORS				
	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		
22	A21 SELECTED SUBCONTRACTORS				
	Clause 21.0				
	Clause 21 is amended by replacing it with:				
	No Clause				
	Fixed: _____ Value related: _____ Time related: _____		Item		
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	Section No. 1				
	Bill No. 1				
	Preliminaries and General				

	Brought Forward		R
23	A22 EMPLOYER'S DIRECT CONTRACTORS Clause 22.0 Fixed:_____ Value related:_____ Time related:_____ 	Item	
24	A23 CONTRACTOR'S DOMESTIC SUBCONTRACTORS Clause 23.0 Fixed:_____ Value related:_____ Time related:_____ <u>COMPLETION</u>	Item	
25	A24 PRACTICAL COMPLETION Clause 24.0 Fixed:_____ Value related:_____ Time related:_____ 	Item	
26	A25 WORK'S COMPLETION Clause 25.0 Fixed:_____ Value related:_____ Time related:_____ 	Item	
27	A26 FINAL COMPLETION Clause 26.0 Clause 26.1.2 s amended by inserting "#" next 26.1.2 Fixed:_____ Value related:_____ Time related:_____ 	Item	
28	A27 LATENT DEFECTS LIABILITY PERIOD Clause 27.0 Fixed:_____ Value related:_____ Time related:_____ 	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries and General		

	Brought Forward		R
29	A28 SECTIONAL COMPLETION Clause 28.0 Fixed: _____ Value related: _____ Time related: _____	Item	
30	A29 REVISION OF DATE FOR PRACTICAL COMPLETION Clause 29.0 Clause 29.2.5 is amended by replacing it with: No clause Fixed: _____ Value related: _____ Time related: _____	Item	
31	A30 PENALTY FOR NON-COMPLETION Clause 30.0 Fixed: _____ Value related: _____ Time related: _____ <u>PAYMENT</u>	Item	
32	A31 INTERIM PAYMENT TO THE CONTRACTOR Clause 31.0 Clause 31.5.2 is amended by replacing "14.7.1" with "14.0" Clause 31.8 is amended by replacing it with the following two alternative clauses: Alternative A 31.8(A) Where a security is selected in terms of 14.1; 14.5 or 14.6, the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments: 31.8(A).1 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the date of practical completion 31.8(A).2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion		
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<p style="text-align: right;">Brought Forward</p> <p>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</p> <p>31.8(A).4 One hundred per cent (100%) of such value in the final payment certificate in terms of 34.6 except where the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate</p> <p>Alternative B</p> <p>31.8(B) Where security is a payment reduction in terms of 14.7 the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:</p> <p>31.8(B).1 Ninety per cent (90%) of such value in interim payment certificates issued up to the date of practical completion</p> <p>31.8(B).2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion</p> <p>31.8(B).3 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 34.6</p> <p>31.8(B).4 One hundred per cent (100%) of such value in the final payment certificate in terms of 34.6 except where the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate</p> <p>Clause 31.12 is amended by deleting the following:</p> <p>Payment shall be subject to the employer giving the contractor a tax invoice for the amount due</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries and General</p>			R	
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	Brought Forward		R
33	A32 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	
34	A33 RECOVERY OF EXPENSE AND LOSS Clause 33.0 Fixed:_____ Value related:_____ Time related:_____ 	Item	
35	A34 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	
36	A35 PAYMENT TO OTHER PARTIES Clause 35.0 Fixed:_____ Value related:_____ Time related:_____ 	Item	
	Carried Forward		R
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	Brought Forward			R
	<p><u>CANCELLATION</u></p> <p>A36 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:</p> <p>36.1.3 refuses or neglects to comply strictly with any of the conditions of contract</p> <p>36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa</p> <p>36.1.5 in the judgement of the employer, has engaged in corrupt or fraudulent practices in competing for or in executing the contract</p> <p>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> <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>			
37	<p>A37 CANCELLATION BY EMPLOYER – LOSS AND DAMAGE</p> <p>Clause 37.0</p>	Item		
	Carried Forward			R
	<p>Section No. 1</p> <p>Bill No. 1</p> <p>Preliminaries and General</p>			

	Brought Forward			R
	<p>Clause 37.0 is amended by the addition of the following clause:</p> <p>Clause 37.3.5 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)"</p> <p>37.5 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
38	<p>A38 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)"</p> <p>Clause 38.0 is amended by the addition of the following clause:</p> <p>38.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
39	<p>A39 CANCELLATION - CESSATION OF THE WORKS</p> <p>Clause 39.0</p> <p>Clause 39.3.5 is amended by the addition of the following at the end of the sentence: "within one hundred and twenty (120) working days of completion of such a report"</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
	Carried Forward			R
	<p>Section No. 1 Bill No. 1 Preliminaries and General</p>			

Carried Forward

	Brought Forward			R
	<u>SECTION B: JBCC PRELIMINARIES</u>			
	<u>B1.0 DEFINITIONS AND INTERPRETATION</u>			
43	<i>B1.1 Definitions and interpretation</i> See also clause A1.0 of Section A for additional and/or amended definitions which shall apply equally to this Section Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B2.0 DOCUMENTS</u>			
44	<i>B2.1 Checking of documents</i> Fixed: _____ Value related: _____ Time related: _____	Item		
45	<i>B2.2 Provisional bills of quantities</i> Fixed: _____ Value related: _____ Time related: _____	Item		
46	<i>B2.3 Availability of construction documentation</i> Fixed: _____ Value related: _____ Time related: _____	Item		
47	<i>B2.4 Interests of agents</i> Fixed: _____ Value related: _____ Time related: _____	Item		
48	<i>B2.5 Priced documents</i> Fixed: _____ Value related: _____ Time related: _____	Item		
49	<i>B2.6 Tender submission</i> Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer and Acceptance (DPW07EC)" Fixed: _____ Value related: _____ Time related: _____	Item		
	Carried Forward			R
	Section No. 1 Bill No. 1 Preliminaries and General			

	Brought Forward			R	
	<u>B3.0 THE SITE</u>				
50	<i>B3.1 Defined works area</i> Fixed: _____ Value related: _____ Time related: _____	Item			
51	<i>B3.2 Geotechnical investigation</i> Fixed: _____ Value related: _____ Time related: _____	Item			
52	<i>B3.3 Inspection of the site</i> Tenderers shall complete the Site Inspection Certificate (DPW16EC) included in the tender documents and return the same with the tender submission. Fixed: _____ Value related: _____ Time related: _____	Item			
53	<i>B3.4 Existing premises occupied</i> Fixed: _____ Value related: _____ Time related: _____	Item			
54	<i>B3.5 Previous work - dimensional accuracy</i> Fixed: _____ Value related: _____ Time related: _____	Item			
55	<i>B3.6 Previous work - defects</i> Fixed: _____ Value related: _____ Time related: _____	Item			
56	<i>B3.7 Services - known</i> Fixed: _____ Value related: _____ Time related: _____	Item			
57	<i>B3.8 Services - unknown</i> Fixed: _____ Value related: _____ Time related: _____	Item			
58	<i>B3.9 Protection of trees</i> Fixed: _____ Value related: _____ Time related: _____	Item			
	Carried Forward			R	
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		Brought Forward		R	
59	B3.10 Articles of value				
	Fixed:_____ Value related:_____ Time related:_____		Item		
60	B3.11 Inspection of adjoining properties				
	Fixed:_____ Value related:_____ Time related:_____		Item		
	<u>B4.0 MANAGEMENT OF CONTRACT</u>				
61	B4.1 Management of the works				
	Fixed:_____ Value related:_____ Time related:_____		Item		
62	B4.2 Programme for the works				
	Fixed:_____ Value related:_____ Time related:_____		Item		
63	B4.3 Progress meetings				
	Fixed:_____ Value related:_____ Time related:_____		Item		
64	B4.4 Technical meetings				
	Fixed:_____ Value related:_____ Time related:_____		Item		
65	B4.5 Labour and plant records				
	Fixed:_____ Value related:_____ Time related:_____		Item		
	<u>B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u>				
66	B5.1 Samples of materials				
	Fixed:_____ Value related:_____ Time related:_____		Item		
67	B5.2 Workmanship samples				
	Fixed:_____ Value related:_____ Time related:_____		Item		
	Carried Forward			R	
	Section No. 1 Bill No. 1 Preliminaries and General				

	Brought Forward	R
68	B5.3 Shop drawings Fixed: _____ Value related: _____ Time related:_____	Item
69	B5.4 Compliance with manufacturers instruction Fixed: _____ Value related: _____ Time related:_____	Item
	<u>B6.0 TEMPORARY WORKS AND PLANT</u>	
70	B6.1 Deposits and fees Fixed: _____ Value related: _____ Time related:_____	Item
71	B6.2 Enclosure of the works Fixed: _____ Value related: _____ Time related:_____	Item
72	B6.3 Advertising Fixed: _____ Value related: _____ Time related:_____	Item
73	B6.4 Plant, equipment, sheds and offices Fixed: _____ Value related: _____ Time related:_____	Item
74	B6.5 Main notice board Fixed: _____ Value related: _____ Time related:_____	Item
75	B6.6 Subcontractors' notice board Fixed: _____ Value related: _____ Time related:_____	Item
	<u>B7.0 TEMPORARY SERVICES</u>	
76	B7.1 Location Fixed: _____ Value related: _____ Time related:_____	Item
	Carried Forward	R
	Section No. 1 Bill No. 1 Preliminaries and General	

	Brought Forward		R
77	B7.2 Water Fixed:_____ Value related:_____ Time related:_____	Item	
78	B7.3 Electricity Fixed:_____ Value related:_____ Time related:_____	Item	
79	B7.4 Telecommunication facilities Fixed:_____ Value related:_____ Time related:_____	Item	
80	B7.5 Ablution facilities Fixed:_____ Value related:_____ Time related:_____	Item	
	<u>B8.0 PRIME COST AMOUNTS</u>		
81	B8.1 Responsibility for prime cost amounts Fixed:_____ Value related:_____ Time related:_____	Item	
	<u>9.0 ATTENDANCE ON N/S SUBCONTRACTORS</u>		
82	B9.1 General attendance Fixed:_____ Value related:_____ Time related:_____	Item	
83	B9.2 Special attendance Fixed:_____ Value related:_____ Time related:_____	Item	
84	B9.3 Commissioning - fuel, water and electricity Fixed:_____ Value related:_____ Time related:_____	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries and General		

	Brought Forward			R
	<u>B10. FINANCIAL ASPECTS</u>			
85	<i>B10.1 Statutory taxes, duties and levies</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
86	<i>B10.2 Payment for preliminaries</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
87	<i>B10.3 Adjustment of preliminaries</i>			
	Clauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) working days of taking possession of the site " with "in his priced bills of quantities /lump sum document submitted with his tender offer"			
	Fixed: _____ Value related: _____ Time related: _____	Item		
88	<i>B10.4 Payment certificate cash flow</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B11. GENERAL</u>			
89	<i>B11.1 Protection of the works</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
90	<i>B11.2 Protection / isolation of existing / sectionally occupied works</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
91	<i>B11.3 Security of the works</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
	Carried Forward			R
	Section No. 1 Bill No. 1 Preliminaries and General			

	Brought Forward		R
92	B11.4 Notice before covering work Fixed:_____ Value related:_____ Time related:_____	Item	
93	11.5 Disturbance Fixed:_____ Value related:_____ Time related:_____	Item	
94	B11.6 Environmental disturbance Fixed:_____ Value related:_____ Time related:_____	Item	
95	B11.7 Works cleaning and clearing Fixed:_____ Value related:_____ Time related:_____	Item	
96	B11.8 Vermin Fixed:_____ Value related:_____ Time related:_____	Item	
97	B11.9 Overhand work Fixed:_____ Value related:_____ Time related:_____	Item	
98	B11.10 Instruction manuals and guarantees Fixed:_____ Value related:_____ Time related:_____	Item	
99	B11.11 As built information Fixed:_____ Value related:_____ Time related:_____	Item	
100	B11.12 Tenant installations Fixed:_____ Value related:_____ Time related:_____	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries and General		

	Brought Forward		R	
	B12. SCHEDULE OF VARIABLES			
101	B12.1 Pre-tender information			
	Fixed: _____ Value related: _____ Time related: _____	Item		
	<p>This schedule contains all variables referred to in this document and is divided into pretender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of these Preliminaries.</p> <p>Spaces requiring information must be filled in, shown as “not applicable” or deleted and not left blank. Where choices are offered, the non-applicable items are to be deleted.</p> <p>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 italicized in [] brackets</p>			
	12.1 PRE TENDER INFORMATION			
	12.1.1 Provisional Bills of Quantities			
	[2.2] The quantities are provisional: Yes			
	12.1.2 Availability of construction documentation			
	[2.3] Construction of documentation is complete: Yes			
	12.1.3 Interest of agents			
	[2.4] Details: See Contract Data Part C/1 of Tender			
	12.1.4 Defined works area			
	[3.1] Details: As per Tender Data			
	12.1.5 Geotechnical investigation			
	[3.2] Details: None			
	12.1.6 Existing premises occupied			
	[3.4] Specific requirements: Yes			
	12.1.7 Previous work - dimensional accuracy			
	[3.5] Details: To be checked on site by contractor prior to building operations.			
	12.1.8 Previous work - defects			
	[3.6] Details: To be checked on site by contractor prior to building operations.			
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries and General			

<p style="text-align: right;">Brought Forward</p> <p>12.1.9 Services - unknown [3.7] Details: Should the contractor encounter any existing services such as underground cables, pipes or sewer during the execution of the works he shall notify the principal agent immediately and suspend all affected work in the immediate vicinity until instruction to proceed has been given by the principal agent.</p> <p>12.1.10 Protection of trees [3.9] Specific requirements: All trees on the site outside of the position of the proposed structure must be protected.</p> <p>12.1.11 Inspection of adjoining properties[3.11] Specific requirements: The contractor must inspect adjoining properties and immediately bring to the notice of the Principal Agent of any consequences that may arise from the building works.</p> <p>12.1.12 Enclosure of the works [6.2] Specific requirements: The contractor shall enclose the works as required by the Occupational Health and Safety Act.</p> <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, chairs, 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 3000 x 3420mm all as per EPWP requirements constructed of suitable boarding with flat smooth surface and with edging bead 40mm thick all round. 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 EPWP "orange" with 40mm wide white dividing lines. All wording shall be inscribed in black painted sans serif lettering. Sub-contractor's individual boards will be allowed on the site subject to the written approval of the Representative/Agent.</p>			R	
<p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries and General</p>			R	

Brought Forward					R
12.1.15	Subcontractors' notice board [6.6] Specific requirements: NO				
12.1.16	Water [7.2] Option A (by contractor) (Yes)				
	Option B (by employer) (No)				
	Option C (by employer - metered) (No)				
12.1.17	Electricity [7.3] Option A (by contractor) (Yes)				
	Option B (by employer) (No)				
	Option C (by employer - metered) (No)				
12.1.18	Telecommunications [7.4] <u>Telephone</u> (Yes)				
	<u>Facsimile</u> (No)				
	<u>E-mail</u> (Yes)				
12.1.19	Ablution facilities [7.5] <u>Option A (by contractor)</u> (Yes)				
	Option B (by employer) (No)				
12.1.20	Protection of existing/sectionally occupied works [11.2] Protection is required (Only when existing buildings) (Yes)				
Carried Forward					R
Section No. 1 Bill No. 1 Preliminaries and General					

	Brought Forward	R
12.1.21 Special attendance		
[9.2] Electrical sub-contractor (1) details: Site Meetings		
12.1.22 Protection of works		
[11.1] Specific requirements:		
The contractor shall protect the works for the duration of the contract.		
12.1.23 Disturbance		
[11.5] Specific requirements:		
The contractor shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the principal agent		
12.1.24 Environmental disturbance		
[11.6] Specific requirements: None		
12.2 POST-TENDER INFORMATION		
12.2.1 Payment of preliminaries		
[10.2] Option A (prorated)		
(No)		
Option B (calculates)		
(Yes)		
12.2.2 Adjustment of preliminaries		
[10.3] Option A (three categories)		
(Yes)		
Option B (detailed breakdown)		
(Yes)		
12.2.3 Additional agreed preliminaries items		
Details: N/A		
	Carried Forward	R
Section No. 1		
Bill No. 1		
Preliminaries and General		

**REPAIRS AND MAINTENANCE OF IKHALA TVET COLLEGE : EZIBELENI
CAMPUS - TENDER NO - ITVETC-INFRA002/11/2023**

[illegible]

Brought Forward			R	
<p><u>SCHEDULE OF SUPPLEMENTARY INFORMATION</u></p> <p><u>NOTE:</u></p> <p>The information listed below is in respect of certain clauses in the Preliminaries, requiring the supplementary information</p> <p>Amount of insurance against injury to person or property in respect of any single occurrence R 5 million</p> <p>Amount of insurance against removal of support to adjoining properties in respect of any single occurrence Not specifically prescribed</p> <p>Contract period - 12 (Twelve) months</p> <p>The date for site handover :- TBA</p> <p>Amount of penalty per day on which the completion of the works may be in arrears:</p> <p>R0.0275 per R100 of contract value per day (Excluding VAT)</p> <p>Specification of materials and methods to be used: Specification of Materials and Methods to be used - PW 371, Fourth Revision, October 1993</p> <p>Edition of Standard System of measuring building work: Sixth Edition including the latest amendments</p> <p><u>SECTION C: SPECIFIC PRELIMINARIES</u></p> <p>Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item</p>				
Carried Forward			R	
<p>Section No. 1 Bill No. 1 Preliminaries and General</p>				

		Brought Forward			R	
102	C1	CONTRACT DRAWINGS				
		<p>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</p> <p>Should any part of the drawings not be clearly intelligible to the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item			
103	C2	GENERAL PREAMBLES				
		<p>The document "Specification of Materials and Methods to be used (PW371)" is obtainable on request from the head office and all regional offices of the Department, and shall be read in conjunction with the bills of quantities and be referred to for the full descriptions of work to be done and materials to be used</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item			
104	C3	TRADE NAMES				
		<p>Wherever a trade name for any product has been described in the bills of quantities, 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</p> <p>If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item			
		Carried Forward			R	
		<p>Section No. 1 Bill No. 1 Preliminaries and General</p>				

	Brought Forward			R
105	<p>C4 IMPORTED MATERIALS AND EQUIPMENT</p> <p>Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment (DPW23EC) to be completed by tenderer)</p> <p>Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable)</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
106	<p>C5 VIEWING THE SITE IN SECURITY AREAS</p> <p>The site is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer to obtain permission to enter the site for tendering purposes</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
107	<p>C6 COMMENCEMENT OF WORKS IN SECURITY AREAS</p> <p>As the works falls within a security area the contractor must give the unit commander or other responsible officer notice before commencement of the works. Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
108	<p>C7 ENTRANCE PERMITS TO SECURITY AREAS</p> <p>As the works falls within a security area the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police or chief security officer</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
	Carried Forward			R
	<p>Section No. 1 Bill No. 1 Preliminaries and General</p>			

	Brought Forward	R
109	<p>C8 SECURITY CHECK OF PERSONNEL</p> <p>The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified</p> <p>In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item
110	<p>C9 PROHIBITION ON TAKING OF PHOTOGRAPHS</p> <p>In terms of article 119 of the defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister</p> <p>The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item
	Carried Forward	R
	Section No. 1 Bill No. 1 Preliminaries and General	

		Brought Forward			R
	C10 HIV/AIDS AWARENESS				
	<p>It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the Bills of Quantities. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained. Also see Part C3.6 Social and Economic Deliverables F1</p> <p>The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of Clause A 31 of "Section 1: Preliminaries (Section A)" or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment</p>				
111	C10.1 AWARENESS CHAMPION				
	<p>Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>		Item		
112	C10.2 AWARENESS WORKSHOPS				
	<p>Selection and appointment of a competent Service Provider approved by the principal agent, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>		Item		
		Carried Forward			R
	Section No. 1 Bill No. 1 Preliminaries and General				

	Brought Forward			R	
113	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			
114	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			
115	C10.5 MONITORING Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period and close out, all in accordance with the HIV/AIDS Specification Fixed:_____ Value related:_____ Time related:_____	Item			
	Carried Forward			R	
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	Brought Forward			R	
116	<p>C11 OCCUPATIONAL HEALTH AND SAFETY ACT</p> <p>The contractor shall comply with the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 19093 (Act No. 85 of 1993).</p> <p>It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities/lump sum document.</p> <p>The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A3.10 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.</p> <p>Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>				
		Item			
117	<p>C12. SOCIAL AND ECONOMIC DELIVERABLES IN CONSTRUCTION WORKS CONTRACTS</p> <p>The contractor shall thoroughly study and comply with the requirements and specification data set out in Part C3.6: Specification for Social and Economic Deliverables in Construction.</p> <p>Provision for pricing of Social and Economic Deliverables is made under items C12.1 to C12.4 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, and no additional items or extras to the contract in this regard shall be entertained.</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>				
		Item			
	Carried Forward			R	
	<p>Section No. 1 Bill No. 1 Preliminaries and General</p>				

	Brought Forward			R	
118	C12.1 UTILIZE LOCAL RESOURCES Deliverable A1: Utilize local resources as described in the Specification Data. Fixed:_____ Value related:_____ Time related:_____	Item			
119	C12.2 PROVIDE EXPERIENTIAL WORK OPPORTUNITIES TOWARDS A TECHNICAL QUALIFICATIONFOR DESIGNATED PERSONS Deliverables E2: Provide experiential work opportunities towards a technical qualification for designated persons as described in the Specification Data. Fixed:_____ Value related:_____ Time related:_____	Item			
120	C12.3 PROVIDE EXPERIENTIAL WORK OPPORTUNITIES AND TRAINING TOWARDS TRADE COMPETENCIES FOR DESIGNATED PERSONS Deliverables E3: Provide experiential work opportunities and training towards trade competencies for designated persons as described in the Specification Data. Fixed:_____ Value related:_____ Time related:_____	Item			
121	C12.4 PROVIDE AND MANAGE TRAINING PROVIDERS TO PROVIDE LIFE SKILLS TRAINING TO EMPLOYEES. Deliverables E4: Procure and manage a training provider to provide spesific training for the minimum number of employees as per Part C3.6 in life skills training. As described in the Specification Data. Fixed:_____ Value related:_____ Time related:_____	Item			
	Carried Forward			R	
	Section No. 1 Bill No. 1 Preliminaries and General				

Brought Forward

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C13 LABOUR-INTENSIVE WORKS

Those parts of the contract to be constructed using labour-intensive methods have been marked in the bill of quantities with the letters LI in a separate column filled in against every item so designated. The works, or parts of the works so designated are to be constructed using labour-intensive methods only. The use of plant to provide such works, other than plant specifically provided for in the scope of work, is a variation to the contract. The items marked with the letters LI are not necessarily an exhaustive list of all the activities which must be done by hand, and this clause does not over-ride any of the requirements in the **'Specification for social and economic deliverables in construction works contracts'**.

122	C13.1 LABOUR INTENSIVE
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Payment for items which are designated to be constructed labour-intensively (either in this schedule or in the Scope of Works) will not be made unless they are constructed using labour-intensive methods. Any unauthorised use of plant to carry out work which was to be done labour-intensively will not be condoned and any works so constructed will not be certified for payment.

Fixed:_____ Value related:_____ Time
related:_____

Item

Carried to Final Summary

R

Section No. 1
Bill No. 1
Preliminaries and General

Carried Forward

Section No. 2
Bill No. 1
Alterations

<p style="text-align: right;">Brought Forward</p> <p><u>Electrical and other services</u></p> <p>Special care is to be exercised not to unnecessarily interfere with any electric light, bell, power, telephone or other wires and fittings that may be met with and due notice must be given to the Architect when any disconnections, removals, diversions, interruptions, etc. are necessary and the Contractor is to afford every facility to the workmen carrying out this work.</p> <p><u>Protection, etc.</u></p> <p>The Contractor must protect all work not removed such as walls, floors, doors, windows, fittings, etc. from damage during the progress of the work and provide all necessary materials for doing so. All shoring, etc. of portions of the existing buildings necessary to ensure the stability of the premises while executing the demolitions or alterations is to be provided by the Contractor, who will be held solely responsible for any damage to persons or property and for the safety of the structure throughout the contract period. The Contractor will be required to make good at his own expense any damage that may occur.</p> <p><u>Existing buildings occupied</u></p> <p>Tenderers are advised that the existing buildings will be in occupation during the building operations and due allowance must be made for the work being carried out in such a manner as will least interfere with the general routine of the occupants.</p> <p>Adequate warning must be given if a particular section of the building has to be evacuated to carry out the work. The contractor should allow for this in his program as there will be no extension of time whatsoever will be entertained on failure of the contractor to properly arrange movement of the occupants in time.</p> <p><u>Noise prevention</u></p> <p>The Contractor shall take special care to minimise noisy operations during business hours. Such measures will include, inter alia, the use of silent compressors and strict control of workmen.</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 2 Bill No. 1 Alterations</p>	<p style="text-align: right;">R</p> <p style="text-align: right;">R</p>
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<p style="text-align: right;">Brought Forward</p> <p><u>Demolition, removals and works on site</u></p> <p>The Contractor shall demolish the portions of existing structure or buildings with a minimum amount of damage to adjoining buildings, materials, pavings, etc. Any damage caused is to be made good at his own expense with materials to match existing to the entire satisfaction of the Architect. Tenderers should take particular note of and allow accordingly in their prices for the type of structure and materials to be encountered and the thickness of walls, concrete slabs, etc. to be demolished. Unless otherwise described all materials arising from the demolitions and alterations are to become the property of the Contractor and he is to allow a credit for the same as provided for on the final summary page. These materials, including all rubbish and debris shall be immediately carted away and the site left clean and unencumbered. None of the old bricks from the demolitions are to be re-used for any new brickwork.</p> <p><u>Bricking up, altering or breaking new openings in existing walls</u></p> <p>Where the Contractor is required to form openings, alter openings or brick up openings in existing walls all brickwork shall be made good at jambs including properly bonding to existing. Brickwork in bricking up openings shall be wedged and pinned up to brickwork or concrete over in cement mortar. Cement screeds, pavings, granolithic, etc. in openings are to be levelled and prepared for raising of brickwork. Plaster to reveals to openings are to have all external angles rounded and making good of finishes is to include for junction with existing finishes. Where openings are described as having new brick lintols they are to be with minimum 220 mm end bearings and prices are to include for brick reinforcement to suit the width of the wall. Lintols are to be three courses high up to span of 1 000 mm and four courses high when exceeding that span and brickwork is to be built in 1:3 cement mortar. Where openings are described as having precast prestressed concrete lintols they are to be with minimum 220 mm end bearings of 30 MPa concrete. One prestressed lintol for each half brick thickness is required and is to be reinforced with and including all necessary high tensile wire.</p> <p><u>Making good, etc.</u></p> <p>Prices are to include for making good in all trades to existing work, where damaged or disturbed through alterations, with all necessary new materials to match existing and leave complete and perfect in every respect.</p>	<p style="text-align: right;">R</p>	
<p style="text-align: right;">Carried Forward</p> <p>Section No. 2 Bill No. 1 Alterations</p>	<p style="text-align: right;">R</p>	

Brought Forward			R
<u>DEMOLISH, HACK UP/OFF, TAKE UP/OFF/OUT AND REMOVE</u>			
NOTE : Tenderers are advised to study the "Standard Trade Preambles" before pricing this bill			
1	Half brick wall.	m2	5
2	Breaking out one brick wall for door opening size 884 x 2570mm including making good to jambs and finishes all round.	No	4
3	Breaking out one brick wall for door opening size 1910 x 2570mm including making good to jambs and finishes all round.	No	2
4	Open up, clean out, add ABE plaster key, re-grout, add expanded mesh 150mm either side of the crack, and re-plaster to match existing lime based 12-15mm plaster.	m	423
5	50 x 76 mm Timber purlins.	m	10
6	Corrugated iron roof sheeting.	m2	15
7	Take off existing fascia boards, barge boards, etc	m	25
8	Gypsum plasterboard ceilings including cover strips, banding and cornices.	m2	61
9	Scrap out and remove glass panes from steel windows including raking out old putty in sashes.	m2	32
10	Take out door size 813 x 2032mm	No	32
11	Timber door and frame. Size 810 x 2 032 mm high overall.	No	20
12	Take out steel glazed window carefully overall size 978 x 987 mm high.	No	4
13	Timber reception counter approx 3500mm x 600mm complete.	No	1
14	Timber kitchen cupboards approx 3500mm x 600mm complete.	No	1
15	Timber enrolments counter approx 6000mm x 600mm complete.	No	1
16	150 mm aluminium eaves gutter.	m	84
17	Hack up and remove existing screeds	m2	100
Carried Forward			R
Section No. 2 Bill No. 1 Alterations			

**REPAIRS AND MAINTENANCE OF IKHALA TVET COLLEGE : EZIBELENI
CAMPUS - TENDER NO - ITVETC-INFRA002/11/2023**

	Brought Forward			R
18	Take out and remove wall tiles	m2	239	
19	Take out and remove floor tiles	m2	628	
20	Take out and remove vinyl floor tiles	m2	649	
21	Carpeting to floors and prepare surfaces to receive new finish (elsewhere measured).	m2	153	
22	Take out existing 19 x 69mm skirtings	m	690	
23	Lift and set aside for re-use pre-cast concrete interlocking paving. Compact the surface to 95% of modified AASHTO density with 3% cement stabilised sabunga or stabilised G7 and re-use paving blocks on newly compacted surfaces, etc.	m2	189	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 1				
Alterations				

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO.2</u>			
	<u>FOUNDATIONS (PROVISIONAL)</u>			
	<u>EXCAVATION, ETC</u>			
1	Clear the whole of the site of all grass, roots, rubbish, debris, hedges and small trees not exceeding 200mm girth, etc. including stripping vegetable soil from the building area.	m2	220	
	<u>Excavate in pickable material not exceeding 2m deep below natural or reduced ground level</u>			
2	Surface trenches	m3	81	
3	Holes	m3	13	
	<u>Excavation of vertical sides of excavation in earth for working space including suitable imported backfilling material compacted to 98% Mod. AASHTO maximum density:</u>			
4	Exceeding 1,5m and not exceeding 3,0m deep for erection and removal of formwork to lift pit and installation of vertical waterproofing membrane where the face of the measured excavation is 500mm away from the face of the wall.	m2	19	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
5	Soft rock	m3	5	
6	Hard rock	m3	3	
	<u>Extra over all excavations for carting away:</u>			
7	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor.	m3	73	
	<u>Risk of collapse of excavations</u>			
8	Allow for risk of collapse to sides of excavations to column bases, trenches, etc. from ground level to not exceeding 1.5m deep	m2	129	
	Carried Forward			
	Section No. 2			
	Bill No. 2			
	Foundations			
			R	

Brought Forward			R
<u>Keeping excavations free of water:</u>			
9	Keeping excavations free from mud and all water including subterranean sources.	Item	
<u>EARTH FILLING, ETC.</u>			
<u>Earth filling obtained from the rubble material on site and compacted in layers not exceeding 150mm to achieve 95% Modified AASHTO density</u>			
10	Backfilling to trenches	m3 34	
<u>Approved G7 filling supplied and carted on by the Contractor, compacted in layers not exceeding 150mm to 98% Mod. AASHTO density</u>			
11	Under solid floors	m3 27	
12	Backfilling to trenches	m3 2	
13	Backfilling to holes	m3 1	
<u>Approved river sand filling supplied and carted on by the Contractor</u>			
14	25mm layer under solid floors, etc.	m2 267	
<u>Compaction of surfaces:</u>			
15	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 93% Mod AASHTO density.	m2 267	
<u>Soil Poisoning</u>			
16	Termite poisoning of ground surfaces under solid floors by the treatment of ground in accordance with SABS 0124 and application in accordance with SABS 1164 and 1165	m2 267	
<u>Prescribed density tests on filling:</u>			
17	Allow for compaction tests by an approved laboratory to determine density of filling material.	No 13	
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 2			
Foundations			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 3</u>			
	<u>CONCRETE FORMWORK AND REINFORCING</u>			
	<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
	<u>15MPa/19mm concrete:</u>			
1	Blinding (Provisional).	m3	0.1	
	<u>20MPa/20mm concrete:</u>			
2	Footings to walls (Provisional).	m3	11	
	<u>25MPa/20mm concrete:</u>			
3	Surface beds.	m3	8	
	<u>REINFORCED CONCRETE CAST ON FORMWORK</u>			
	<u>25MPa/20mm concrete:</u>			
4	Bases (Provisional).	m3	1	
5	Slabs, including beams and inverted beams.	m3	0.4	
6	Vee Channel cast in panels ne 3m.	m3	6	
7	Ramp	m3	5	
	<u>30MPa/19mm concrete:</u>			
8	Stub columns with chamfered edges.	m3	0.2	
	<u>CONCRETE TESTS</u>			
	<u>Test blocks:</u>			
9	Making and testing set of three 150x150x150mm concrete strength test cubes (Provisional).	No	4	
	<u>CONCRETE SUNDRIES</u>			
	Carried Forward			
	Section No. 2 Bill No. 3 Concrete, formwork and reinforcing		R	

Section No. 2
Bill No. 3
Concrete, formwork and reinforcing

[illegible]

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 5</u>			
	<u>MASONRY</u>			
	<u>BRICKWORK IN FOUNDATIONS (PROVISIONAL)</u>			
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar:</u>			
1	Half brick wall.	m2	15	
2	One brick walls.	m2	51	
	<u>BRICKWORK IN SUPERSTRUCTURE</u>			
	<u>Brickwork of NFP bricks (14 MPa nominal compressive strength) in Class II mortar:</u>			
3	Half brick wall.	m2	50	
4	One brick walls.	m2	187	
5	Half brick walls in beamfilling.	m2	29	
	<u>BRICKWORK AND BLOCKWORK SUNDRIES</u>			
	<u>Bagging and sealing the outer face of the inner skin of walls with 1:3 cement and sand mixture and seal with two coats "Brixeal" bitumen emulsion waterproofing coating:</u>			
6	To walls (Provisional).	m2	189	
	<u>Brickwork reinforcement:</u>			
7	75mm Wide reinforcement built in horizontally.	m	167	
8	150mm Wide reinforcement built in horizontally.	m	761	
9	Ditto, but in foundations (Provisional).	m	206	
	<u>Prestressed fabricated lintels:</u>			
10	110 x 75mm Lintels in lengths not exceeding 3m.	m	43	
	Carried Forward			
	Section No. 2 Bill No. 5 Masonry		R	

	Brought Forward			R
	<u>Turning pieces:</u>			
11	200mm Wide turning piece to lintels etc.	m	47	
	<u>Cramps, ties, etc:</u>			
12	30 x 2mm Galvanized roof tie 1500mm long with one end fixed to timber and other built into brickwork or concrete.	No	60	
	<u>FACE BRICKWORK</u>			
	<u>Face bricks (FBS) prime cost of R7 000.00 per thousand excluding VAT delivered to the site pointed with square ruled recessed horizontal and vertical joints:</u>			
13	Extra over half brick wall facing both sides.	m2	16	
14	Extra over brickwork for face brickwork facing both sides.	m2	37	
15	Extra over brickwork for face brickwork externally.	m2	134	
16	Ditto, but in foundations (Provisional).	m2	69	
	<u>Brick-on-edge header course copings, sills, etc with recessed joints on all exposed faces:</u>			
17	220mm Wide lintel pointed on face and 220mm soffit.	m	18	
18	220mm Wide header course to top of one brick wall bedded and jointed in cement mortar and pointed on top and both sides as described.	m	38	
19	220mm Wide header course to top of concrete blinding bedded and jointed in cement mortar and pointed on top and both sides as described.	m	53	
	<u>Brickwork Sundries</u>			
20	250 x 230mm clean 19mm crushed stone layer wrapped with geotextile fabric.	m	20	
21	50mm diameter PVC weep hole pipes.	m	21	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 5				
Masonry				

Section No. 2
Bill No. 6
Waterproofing

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 7</u>			
	<u>ROOF COVERINGS ETC.</u>			
	<u>IBR RIBBED SHEETING AND ACCESSORIES</u>			
	<u>0.8mm thick Aluminium sheeting with a colour finish (Forest Green) to exterior side with a standard colour backing to interior side, in IBR 686 profile. Sheeting to be fixed with appropriate roofing screws in strict accordance with manufacturer's specifications.</u>			
1	Roof covering with pitch not exceeding 5 degrees.	m2	113	
	<u>0.8mm Nominal thickness ditto, but flashings:</u>			
2	Ridge 460mm girth with minimum 230mm laps, fixed to roof sheeting (measured net).	m	38	
3	Valley set 460mm girth	m	7	
4	Serrated ridge closers	m	38	
	<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
	<u>Global Roofing Solutions 0.80mm thick 762mm cover Corrugated profile 3004 Forest Green Color-Tech G4 Aluminium roof sheeting. Fixed to steel purlins on steel trusses. All in accordance with manufacturer's instructions.</u>			
5	Roof covering with pitch not exceeding 20 degrees	m2	51	
6	Side Cladding	m2	13	
	<u>ROOF INSULATION</u>			
	<u>"Sisalation 405" heavy industrial grade aluminium foil based insulation</u>			
7	Insulation laid taut over steel and timber purlins at approximately 1450mm centres and fixed concurrent with roof covering	m2	113	
	Carried Forward to Summary of Section No. 2			
	Section No. 2			
	Bill No. 7			
	Roof coverings etc			

Item No			Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 8</u>				
	<u>CARPENTRY AND JOINERY</u>				
	<u>Roof Timbers</u>				
	<u>Sawn S.A.Pine</u>				
1	38 x 114mm Wall plate	m	61		
2	38 x 228mm Gang boarding (Provisional)	m	56		
3	50 x 76mm Purlins	m	181		
4	38 x 114 Sprocket ends joined to the existing rafter feet	m	41		
	<u>Wrot S.A. Pine</u>				
5	50 x 76mm Splayed purlins	m	45		
	<u>Laminated S.A. Pine</u>				
6	75 x 150mm Beams	m	5		
	<u>Gangnail Roof Trusses</u>				
	<u>The following trusses shall be "Gangnail" or other approved engineering designed roof trusses manufactured from sawn S.A.Pine as described at average 1100mm centres to support 0.6mm thick corrugated iron roofing with 4mm " Cladit " ceilings under, including hoisting and fixing in position approximately 3m above bearing level</u>				
7	Double pitched roof truss 4775mm overall wide span between wall plates not exceeding 25 degree pitch with 450mm eaves overhang both ends	No	15		
8	Girder truss 2390mm wide span with rafter projecting 450mm to apex, to pitch ne 25 degrees pitch with 450mm eaves overhang both sides.	No	2		
9	Half truss 3550mm wide span with rafter projecting 650mm to apex, to pitch ne 25 degrees pitch with 450mm overhang.	No	6		
	Carried Forward				R
	Section No. 2 Bill No. 8 Carpentry and joinery				

**REPAIRS AND MAINTENANCE OF IKHALA TVET COLLEGE : EZIBELENI
CAMPUS - TENDER NO - ITVETC-INFRA002/11/2023**

	Brought Forward			R
10	Half truss 2630mm wide span with rafter projecting 450mm to apex, to pitch ne 25 degrees pitch with 450mm overhang.	No	6	
11	Jack truss 1320mm wide span, to pitch ne 25 degrees with 450mm overhang.	No	16	
12	Allow for bracing, cross bracing, connecting clips , fixing brackets , etc., as required for fixing in position of roof trusses as described in accordance with the manufacturer's instructions.		Item	
<u>Eaves and Verges</u>				
13	15 x 225mm "Everite" pressed fibre cement fascia and barge board drilled and brass screwed to and including 38 x 50 x 114mm long S.A.P. cleats screwed to rafter feet including H - profile jointing strips	m	53	
14	Extra for splay cut end	No	16	
15	Extra for apex mitre	No	16	
<u>Pressed fibre-cement:</u>				
16	12 x 225mm Fascia board three times drilled, and brass screwed to and including 38 x 50 x 114mm long S.A. Pine cleats twice brass screwed to rafter foot including galvanised steel H-profile jointing strips, screws, holes etc.	m	180	
<u>Skirtings</u>				
<u>Wrot Meranti</u>				
17	19 x 70mm Skirting with 19mm quadrant bead planted on including grouting solid at back against facings in cement mortar, cutting mitres, etc	m	90	
<u>Doors</u>				
<u>FL&B Doors</u>				
18	Swartland winsters PD60 horizontal slatted hardwood door size 850 x 2032mm refer to door schedule attached at the back of these bills of quantities. (D 01)	No	1	
19	Swartland winsters PD60 horizontal slatted hardwood door size 813 x 2032mm refer to door schedule attached at the back of these bills of quantities. (D 02)	No	10	
Carried Forward				R
Section No. 2 Bill No. 8 Carpentry and joinery				

**REPAIRS AND MAINTENANCE OF IKHALA TVET COLLEGE : EZIBELENI
CAMPUS - TENDER NO - ITVETC-INFRA002/11/2023**

Brought Forward			R
20	44mm Thick wrot meranti framed, ledged and braced batten door size 813 x 2032mm with and including 6mm plywood panel.	No	44
21	50 x 100mm Wrot meranti rebated and splayed weatherboard screwed to door and bedding in thick white lead	m	40
<u>Semi-solid flush doors with hardwood concealed edge strips and finished both sides with Sapele Mahogany veneer</u>			
22	44mm Thick door size 813 x 2032mm	No	15
<u>Door frames, etc.</u>			
<u>Wrot Meranti</u>			
23	19 mm Quadrant moulding planted on.	m	214
24	76 x 108 mm Rebated framed frame.	m	214
<u>Pinning boards</u>			
25	10mm Insulation board backing glued to walls with an approved adhesive, including all square cutting and waste	m2	3
26	Carpet (PC Amount R 70 m²) delivered to site and glued to insulation board with an approved adhesive	m2	3
27	32 x 44mm Sawn SA Pine rebated surround plugged to walls with heads of screws sunk and pelleted	m	7
28	32 x 44mm Wrot meranti twice rebated transome plugged to walls with heads of screws sunk and pelleted	m	7
<u>Sundries</u>			
29	Two coats creosote on sawn timbers	m2	15
30	"Hurricane clip" between truss and windbracing(Provisional)	No	750
<u>Budgetary Allowances</u>			
31	Allow the Budgetary Sum of R 35 000. 00 (nett) for supply and installation of built in cupboards to Kitchen. Block B	Item	
32	Allow the Budgetary Sum of R 90 000. 00 (nett) for joinery fittings. Block A	Item	
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 8			
Carpentry and joinery			

[illegible]

Item No		Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 10</u>				
<u>FLOOR COVERINGS</u>				
<u>Cleaning:</u>				
Rates for floor covering shall include for proper cleaning on completion.				
Note : Rates to include grouting, pointing, Tal adhesive, labour, etc.				
<u>CARPETS</u>				
<u>DESSO Airmaster turfed structured loop pile carpet tiles colour 9502 with EcoBase® backing, overall size 500 x 500 x 6mm thick, laid in pressure sensitive adhesive, all installed by an approved installer according to EN 1307..</u>				
1	On screeded floors	m2	619	
<u>Vinyl Tile Flooring</u>				
<u>FloorworX Floorflex® semi flexible vinyl floor tiles colour Old Steel (Colour code: MF2516), size 300 x 300 x 2.5mm thick, manufactured in accordance with SANS 581, laid in FloorworX No. 62 acrylic adhesive spread with a trowel fitted with an A2 notched blade at a rate of between 5.5m² and 6.5m² per litre on suitably prepared subfloor (elsewhere specified) in accordance with SANS 10070, using FloorworX Self Leveller when required and rolled with 68kg three section metal roller on completion.</u>				
2	On floors	m2	649	
<u>Polish, Sealers, etc</u>				
3	Three coats wax polish on vinyl flooring	m2	649	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 10				
Floor coverings				

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 11</u>			
	<u>IRONMONGERY</u>			
	<u>HINGES, BOLTS, ETC</u>			
	<u>"Dorma":</u>			
1	Ball bearing butt hinge as "Dorma DBB - SS - 009", size 102x75x3mm.	No	140	
2	Floor stop as "Dorma DDS-SS-017", plugged.	No	70	
	<u>LOCKS</u>			
	<u>Locks</u>			
	<u>"Dorma":</u>			
3	Bathroom WC indicator with turn knob as "Dorma DWC-005" Staineless Steel.	No	8	
4	Bathroom WC indicator with 79mm turn knob as "Dorma DWC-006" Staineless Steel.	No	8	
5	"Dorma D036S",euro-profile cylinder sash lock SS.	No	62	
	<u>EN-SUITE LOCKS</u>			
	The following locks are to be suitable for master key and grand master key operation (Contact Colin Arenz: 082 374 5107)The en-suite keys and locks shall be stamped with the appropriate 'suite' designation.			
	<u>"Dorma":</u>			
6	Euro profile master-keyed double cylinder as "Dorma DDC106501".	No	62	
7	Cylinder escutcheon as "Dorma DCE-002".	No	124	
8	"Dorma D038R",Rebated conversion kit for euro-profile cylinder lock SS.	No	62	
	<u>HANDLES</u>			
	Carried Forward			
	Section No. 2 Bill No. 11 Ironmongery			

	Brought Forward			R
	<u>"Dorma":</u>			
9	"Dorma TH124",stainless steel lever handles on rose.	No	62	
10	Stainless steel "D" shaped straight back-to-back pull handles "Dorma DPH 213",size 350x32mm,	No	8	
	<u>PUSH PLATES AND KICKING PLATES</u>			
	<u>"Union":</u>			
11	Dorma DSS4 "Wheelchair" pictogram on 76mm diameter stainless steel plate	No	1	
12	800 x 300 x 0.9mm Stainless Steel kick plate as Grade 304 x 0.9mm thick drilled and countersunk for screws and fixed in position.	No	140	
	<u>DOOR CLOSERS</u>			
	<u>"Dorma":</u>			
13	Door closer as "Dorma TS73N/EN3-4" parallel arm delayed closing - push side fitting.	No	4	
	<u>LETTERS, NAMEPLATES, ETC.</u>			
14	Allow PC amount of R35 000.00 excluding VAT for signage, letters and name plates delivered to site. All to be specified by architect and to be fitted in strict accordance with manufacturer's instructions.		Item	
	<u>BATHROOM FITTINGS</u>			
	<u>"Chairman Industries cc" or other approved:</u>			
15	Dorma DGR-SS-152 Stainless Steel 300-300-300mm grab rail, plugged and screwed to walls.	No	1	
16	32mm Diameter stainless steel straight cistern grab rail as "SR2", plugged and screwed to tiled wall.	No	1	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2			
	Bill No. 11			
	Ironmongery			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO 12</u>			
	<u>STRUCTURAL STEELWORK</u>			
	PREAMBLES			
	For Preambles the tenderer is advised to study "Department of Public Works: Specification of materials and methods to be used - PW371" before pricing this document. (www.publicworks.gov.za)			
	Fabricate, supply, deliver and erect structural steelwork.			
	All structural steelwork shall be grade 300W.			
	<u>MAIN ROOF</u>			
	<u>Galvanised beams with flat connection plates and angle section cleats:</u>			
1	IPE 140 x 13kg/m beam with 8mm thick welded gussets and welded cleats to support purlins.	t	0.22	
	<u>Galvanised purlins, girts, bracing, etc.:</u>			
2	150 x 65 x 20 x 2mm thick Cold-formed lipped channel section purlins, including connections.	t	0.46	
3	50 x 50 x 5mm Angle section bracing, including connections.	t	0.36	
	<u>Galvanised hollow sections, etc.:</u>			
4	152.4 x 4.0mm thick round hollow sections with 8mm thick welded gusset plates and 25mm thick base plate bolted into concrete stub column and 200 mm long 152.4 x 4mm stub column with fully welded IPE 140 Steel.	t	0.08	
5	152.4 x 4.0mm thick round hollow sections with fully welded IPE 140 Steel.	t	0.03	
6	76 x 3mm thick diagonal strut with welded 8mm thick welded 8mm thick end caps and connecting plates bolted at each end with 2M16 bolts to support the rafters.	t	0.10	
	Carried Forward		R	
	Section No. 2 Bill No. 12 Structural Steelwork			

**REPAIRS AND MAINTENANCE OF IKHALA TVET COLLEGE : EZIBELENI
CAMPUS - TENDER NO - ITVETC-INFRA002/11/2023**

Brought Forward			R
<u>Bolts:</u>			
7	M12 bolts.	No	138
8	M16 bolts.	No	74
9	M12 Raw bolts.	No	22
10	M16 holding down bolts.	No	10
<u>Box Gutter</u>			
11	2mm thick purpose made hot dipped galvanised steel profiled gutter with 100mm long by 50mm diameter welded over flow spout.	m	6
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 12			
Structural Steelwork			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 13</u>			
	<u>METALWORK</u>			
	NOTE : Tenderers are advised to study the "Standard Trade Preambles" before pricing this bill			
	<u>SUNDRY GALVANISED STEELWORK</u>			
	<u>Brass</u>			
1	6 x 50mm Weather bar cut to lengths and bedded in door openings including forming groove in top of concrete	m	3	
	<u>Balustrades</u>			
	<u>The following in galvanised balustrades</u>			
2	Galvanised mild steel industrial railings, code HS 2A MS M G, consisting of 1000mm high, 35° 43mm Ø x 3.0mm A35 stanchions spaced at 1400mm centres, with 34mm Ø x 2.5mm hand/knee rails. Top mounted stanchions to be fitted with baseplate pre-drilled with 30 x 18mm slotted holes for fixing to concrete/metal surface, including all necessary bends, closures, ferrules etc. as indicated on drawings.	m	13	
	<u>Steel Windows</u>			
3	Servicing of existing steel windows including window stays and closures. Servicing must ensure that the window fully closes on completion.	No	80	
	<u>Security Gates</u>			
4	Single security gate size 900 x 2 060 mm high formed of 40 x 40 x 2 mm mild steel square tube welded to form frame. Frame fixed to wall and concrete floor with RS PRO carbon steel shield anchor loose bolts M10 x 60mm, 16mm fixing hole. (G 01	No	1	
	<u>ALUMINIUM DOORS, FANLIGHTS AND SIDELIGHTS</u>			
	Abutments between door frames, fanlight and sidelight frames and surrounding faced or plastered brickwork shall be pointed internally and externally with an approved silicone sealer. Rates of aluminium doors, fanlights and sidelights shall be deemed to include for silicone pointing.			
	Carried Forward			R
	Section No. 2 Bill No. 13 Metalwork			

Brought Forward				R
Doors shall be supplied and fitted with ironmongery as described in the items. Rates of doors, fanlights and sidelights shall be deemed to include for ironmongery.				
All glazed sections to be fixed with internal clip-on glazing beads and neoprene seals.				
<u>Natural anodised aluminium doors, frames, sidelights and fanlights, frames fixed to and including meranti sub-frame, doors, sidelights and fanlights glazed with 6.38mm clear laminated safety glass, sub-frames plugged to brickwork or concrete:</u>				
5	Aluminium double door and frame with fanlight and sidelights complete with clear laminated safety glass, ironmongery, etc overall size 2630 x 2570mm. (D 01).	No	1	
6	Aluminium double door and frame with fanlight complete with clear laminated safety glass, ironmongery, etc overall size 2630 x 2570mm. (D 02).	No	9	
<u>ALUMINIUM WINDOWS / SHOPFRONTS</u>				
Abutments between window, door frames and surrounding faced or plastered brickwork shall be pointed internally and externally with an approved silicone sealer. Rates of aluminium windows shall be deemed to include for silicone pointing.				
Opening sashes to be provided with standard casement hinges, pegs and stays as supplied by window manufacturer.				
All glazed sections to be fixed with internal clip-on glazing beads and neoprene seals.				
<u>Natural anodised aluminium windows glazed with 6.38mm clear laminated safety glass, unless otherwise described, frames fixed to meranti sub-frames plugged to brickwork or concrete and sealed all round as described (All in accordance with manufacturer's instructions and to architect's approval):</u>				
7	Aluminium window frame complete with clear sheet glass, ironmongery, etc overall size 600 x 600mm. (W 01)	No	8	
8	Aluminium window frame complete with clear sheet glass, ironmongery, etc overall size 1200 x 600mm. (W 03)	No	1	
9	Aluminium window frame complete with clear sheet glass, ironmongery, etc overall size 1800 x 600mm. (W 02)	No	4	
Carried Forward				R
Section No. 2 Bill No. 13 Metalwork				

**REPAIRS AND MAINTENANCE OF IKHALA TVET COLLEGE : EZIBELENI
CAMPUS - TENDER NO - ITVETC-INFRA002/11/2023**

Brought Forward			R
10	Aluminium shop front complete with clear sheet glass, ironmongery, etc overall size 884 x 2570mm. (SF 01)	No	4
11	Aluminium shop front complete with clear sheet glass, ironmongery, etc overall size 1910 x 2570mm. (SF 02)	No	2
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 13			
Metalwork			

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Section No. 2
Bill No. 15
Tiling

Carried Forward

**REPAIRS AND MAINTENANCE OF IKHALA TVET COLLEGE : EZIBELENI
CAMPUS - TENDER NO - ITVETC-INFRA002/11/2023**

	Brought Forward			R
	<u>"Clay, etc"</u>			
7	Plumline White Amaro 2 wall hung basin fixed with stainless steel screws and washers to plugs in wall and sealed with acetoxysilicone sealant where basin meets wall with Amaro (Code: 031228)	No	10	
8	Duravit ceramic D-Code wall hung pan colour White (Code: 221109 00002), size 350 x 480 x 400mm, bolted to wall with stainless steel bolts and sealed with abe Dow Corning acetoxysilicone sealant.)	No	9	
9	Duravit ceramic D-Code urinal visible inlet urinal colour White (Code: 082830 0000), size 305 x 295 x 575mm, bolted to wall with stainless steel bolts and sealed with abe Dow Corning acetoxysilicone sealant. Refer to floor plan	No	8	
	<u>TOILET PAPER HOLDERS, ETC</u>			
10	MR2 Stainless Steel Toilet Tissue Dispenser stainless steel (Code: SA426130) or similar approved, overall size 130 x 135 x 256mm high..	No	9	
11	Franke Stratos STRX618 1,2/1,5mm thick satin finished stainless steel soap dispenser (Code: 2120041), size 100 x 134 x 304mm high with a replaceable and refillable 1 litre container, cylinder lock with standard Franke key, plugged and screwed to the wall with stainless steel screws.	No	6	
12	Franke HF2400HD 1,2/1,5mm thick satin finished stainless steel automatic hands free hand dryer (Code: 2500001), size 280 x 207 x 245mm high with 2 vandal proof lock screws and key wrench, plugged and screwed to the wall with stainless steel screws, 200 W motor connected to 230/240 volt power supply. With 5 year warranty.	No	5	
	<u>WASTE UNIONS, ETC</u>			
13	40mm chrome plated anti-theft plug with spindle (Code: 309-40).	No	16	
14	40mm 316 CP waste union	No	16	
	<u>TRAPS, ETC</u>			
	<u>"Chrome plated, brass, etc"</u>			
15	40mm chrome plated deep seal bottle trap with outlet for 40mm PVC (Code: 365/40).	No	8	
	Carried Forward			R
	Section No. 2 Bill No. 16 Plumbing and Drainage			

**REPAIRS AND MAINTENANCE OF IKHALA TVET COLLEGE : EZIBELENI
CAMPUS - TENDER NO - ITVETC-INFRA002/11/2023**

Brought Forward			R
16	32 x 32mm chrome plated deep seal bottle trap with MI outlet (Code: 340).	No	8
<u>TAPS, VALVES, ETC</u>			
17	Junior Flushmaster exposed flush valve, chrome. Includes: top entry, flush pipe, compression pan connector, wall flange, rubber seat buffer, and integral vacuum breaker. SANS 1240.	No	8
18	Splashworks Icon Red wall mounted flushing valve for small urinal (Code: UFV2), overall size 30 x 40 x105mm, installed in accordance with the manufacturer's recommendations..	No	8
19	Plumline 10-year warranty Clinix Chrome pillar tap (Code: 35566) with a flowrate of 7 litres/minute @ 50KPa.	No	1
20	Demand pillar tap, chrome. Includes: pushbutton, raised nose, hot and cold indices, 1/2 BSP male inlet, and flanged backnut. An excellent water-saving product, and can be easily installed in place of conventional taps. SANS 1808-66. Tap to be supplied with fitting accessories	No	9
<u>SANITARY PLUMBING</u>			
<u>uPVC pipes</u>			
21	50mm Pipes	m	40
22	110mm Pipes	m	78
23	110mm Pipes laid in and including trenches not exceeding 1m deep under surface beds	m	44
<u>Extra over uPVC pipes for uPVC fittings</u>			
24	40mm Reducer	No	16
25	50mm Reducer	No	16
26	40mm Bend	No	24
27	50mm Bend	No	19
28	110mm Bend	No	12
29	40mm Junction	No	25
30	50mm Junction	No	23
Carried Forward			R
Section No. 2 Bill No. 16 Plumbing and Drainage			

**REPAIRS AND MAINTENANCE OF IKHALA TVET COLLEGE : EZIBELENI
CAMPUS - TENDER NO - ITVETC-INFRA002/11/2023**

Brought Forward				R
31	110mm Junction	No	8	
32	50mm Reducing junction	No	4	
33	110mm Pan connector	No	9	
34	40mm Access bend	No	26	
35	50mm Access bend	No	12	
36	110mm Access bend	No	16	
37	40mm Access junction	No	10	
38	50mm Access junction	No	6	
39	110mm Access junction	No	11	
40	50mm Access reducing junction	No	18	
41	110mm Access reducing junction	No	14	
42	110mm "GI two-way" vent valve	No	10	
43	110mm Access rodding screw cap.	No	1	
<u>Sundries</u>				
44	Testing waste pipe system		Item	
<u>WATER SUPPLIES</u>				
<u>Class O copper pipes</u>				
45	15mm Pipes	m	89	
<u>HDPE Class 12</u>				
46	22mm Diameter Pipe	m	12	
<u>Extra over class O copper pipes for capillary fittings</u>				
47	15mm Fittings	No	39	
48	22mm Fittings	No	15	
Carried Forward				R
Section No. 2 Bill No. 16 Plumbing and Drainage				

Brought Forward				R
<u>TESTING</u>				
49	Testing water pipe system		Item	
<u>Sundries:</u>				
50	Mass concrete Class 25 MPa encasement around horizontal raking or vertical drainpipes including all necessary excavations, formwork, etc.	m3	0.3	
51	110mm 'ABC' cast iron rodding eye cover and frame and joint to UPVC pipe with and including necessary adaptor.	No	1	
<u>SERVICING OF EXISTING SEWERS</u>				
52	All existing sewer lines, manholes and rodding eyes shall be cleaned of all debris, intrusive roots or vegetable matter, faecal build up or any extraneous matter by rodding or jetting and flushing to achieve a system that is clean and free flowing			SUM
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 16				
Plumbing and Drainage				

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Carried Forward

Brought Forward			R
<u>Remove any loose flaking paint, and apply Universal undercoat and two coats PVA paint on:</u>			
7	Fibre-cement ceilings	m2	1 930
8	Fibre-cement fascias, barge boards, etc	m2	189
<u>On plaster etc.</u>			
<u>Remove any loose and flaking residue by means of wire brushing, wash with "Polycell Sugar Soap" or weak spirits of salts, open up cracks and make good with "Polycell Mendall 90" or "Masonry Patching plaster" filler sanded smooth, apply one coat "Professional Gypsum and Plaster Primer" and two coats "Professional Superior Low Sheen" paint on existing water based paint surfaces</u>			
9	Plastered Interior walls	m2	2 238
<u>Remove any loose and flaking residue by means of wire brushing, wash with "Polycell Sugar Soap" or weak spirits of salts, open up cracks and make good with "Polycell Mendall 90" or "Polycell Polyfilla Exterior" filler sanded smooth, apply one coat "Masonry Paint" and two coats "Exterior quality paint with mica" paint on existing water based paint surfaces</u>			
10	Plastered Exterior walls	m2	900
<u>On Metalwork</u>			
<u>Remove any loose and flaking residue by means of wire brushing, sand down, wash with "Polycell Sugar Soap" or weak spirits of salts, rinse, spot prime with "Zinc Phosphate Metal Primer and apply two coats "Super High Gloss enamel Paint on existing steel</u>			
11	On window frames (both sides measured)	m2	380
12	Pressed steel door frames and metal doors	m2	10
13	Steel gates, balustrading, etc (measured flat on both sides)	m2	8
14	On steel posts not exceeding 300mm girth	m	23
<u>On Wood</u>			
Carried Forward			R
Section No. 2 Bill No. 18 Painting			

	Brought Forward			R
	<u>Prepare , stop and apply three coats clear suede polyurethane varnish to SABS specifi- cation 887 type 1. All to architect's approval.</u>			
15	Skirtings, cornices, rails, etc. not exceeding 300mm girth	m	89	
	<u>Stop, sand down, seal and prepare wood surfaces and apply one coat primer undercoat and two coats eggshell enamel paint on:</u>			
16	Wooden frames and linings	m2	14	
17	General surfaces of timbers at eaves	m2	23	
	<u>On floors</u>			
	<u>Prepare and apply Construction Chemicals Pale Grey G62 abeflo self-leveling, solvent free epoxy flooring system and comprising a resin hardener system, pre-packed aggregates and pigment including all necessary primers (abecote WD 337), all in accordance with the manufacturer's instructions.</u>			
18	On screeded floors	m2	1 530	
	<u>ON ROOF</u>			
	<u>Remove any loose and flaking residue by means of wire brushing, sand down, wash with "Polycell Sugar Soap" or weak spirits of salts, rinse, spot prime with "Plascon Namelcote Synthetic Metal Primer and apply two coats "Plascon Velvaglio Polyurethane enamel Paint on existing roof sheeting</u>			
19	On roof covering	m2	2 623	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 18				
Painting				

[illegible]

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 1</u>			
	<u>PROVISIONAL SUMS</u>			
	NOTE : Tenderers are advised to study the "Standard Trade Preambles" before pricing this bill			
	<u>PROVISIONAL AMOUNTS</u>			
	<u>The following nominated sub-contract amounts are for work to be carried out by nominated sub-contractors in terms of Clause 15 of the Conditions of contract:</u>			
	<u>ELECTRICAL WORKS</u>			
1	Provide a sum of R 400 000.00 (Four Hundred Thousand Rand) for electrical works and fittings	Item		
2	Profit on above item	Item		
3	Attendance on ditto	Item		
	<u>MECHANICAL WORKS</u>			
4	Provide a sum of R 200 000.00 (Two Hundred Thousand Rand) for mechanical works and fittings	Item		
5	Profit on above item	Item		
6	Attendance on ditto	Item		
	<u>BILL NO 18</u>			
	<u>LANDSCAPING</u>			
7	Allow the Amount of R100 000.00 (One Hundred Thousand Rand) for Landscaping.	Item		
8	Profit on above item.	Item		
9	Attendance on ditto.	Item		
	Carried to Final Summary			
	Section No. 3			
	Bill No. 1			
	Provisional Sums			
			R	

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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 4</u>			
	<u>BILL NO. 2</u>			
	<u>WALKWAYS, PARKING, ETC (PROVISIONAL)</u>			
	<u>ALTERATIONS</u>			
1	<u>Lift and set aside for re-use pre-cast concrete interlocking paving. Compact the surface to 95% of modified AASHTO density with 3% cement stabilised sabunga or stabilised G7 and re-use paving blocks on newly compacted surfaces, etc.</u>	m2	582	
	<u>EARTHWORKS</u>			
2	Allow for the clearing and levelling of the site to be built upon, including the removal of all vegetable matter, rubbish, etc, including trees and shrubs having a circumference of less than 200 mm diameter measured 1 000 mm above ground level, that may be encountered, and cart away excess material to a dumping site to be located by the contractor	m2	98	
3	Excavate for and strip off top soil to an average depth of 150 mm, and deposit in spoil heaps on site for re-use, where directed by the Principal Agent	m2	98	
4	Excavate for roadways and walkways not exceeding 1 m deep, and cart away excess material to a dumping site to be located by the contractor.	m3	29	
	<u>Road bed preparation</u>			
5	Scarify in-situ road bed surface to a depth of 300 mm and compact to 93% Modified AASTO density at optimum moisture content	m2	98	
	<u>Base</u>			
6	Construct base of natural G7 gravel imported by the contractor in one layer of 150mm, with a CBR not less than 15 and not greater than 45 and a PI not less than 10 and a maximum particle size of 65mm, compacted to 95% Modified AASHTO density at optimum moisture content.	m3	29	
	<u>Dewatering</u>			
7	Keeping excavations free from all mud and water			SUM
	Carried Forward			R
	Section No. 4 Bill No. 2 Walkways, Parking, Etc			

	Brought Forward			R
	<u>Sundries</u>			
8	Cart away surplus excavated material	m3	44	
	<u>Prescribed Density Tests</u>			
9	"Modified AASHTO density" tests on road bed and road base material	No	10	
	<u>PRECAST CONCRETE PAVING</u>			
	<u>Precast Concrete</u>			
10	60mm thick SABS approved natural colour interlocking pavers laid to falls on and including 20mm thick layer of sand and treated with weedkill before laying including all excavations, cutting, bordering, etc.	m2	98	
	<u>Roadwork Marking</u>			
	<u>Two coats approved road marking paint on tarmac, pavings and concrete</u>			
11	100mm Solid straight line	m	77	
Carried Forward to Summary of Section No. 4				R
Section No. 4				
Bill No. 2				
Walkways, Parking, Etc				

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 4</u>			
	<u>BILL NO. 3</u>			
	<u>BRICK RETAINING WALLS</u>			
	<u>EXCAVATION, ETC</u>			
1	Clear the whole of the site of all grass, roots, rubbish, debris, hedges and small trees not exceeding 200mm girth, etc. including stripping vegetable soil from the building area.	m2	146	
	<u>Excavate in pickable material not exceeding 2m deep below natural or reduced ground level</u>			
2	Surface trenches	m3	27	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
3	Soft rock	m3	4	
4	Hard rock	m3	3	
	<u>Extra over all excavations for carting away:</u>			
5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor.	m3	20	
	<u>Risk of collapse of excavations</u>			
6	Allow for risk of collapse to sides of excavations to column bases, trenches, etc. from ground level to not exceeding 1.5m deep	m2	78	
	<u>Keeping excavations free of water:</u>			
7	Keeping excavations free from mud and all water including subterranean sources.	Item		
	<u>EARTH FILLING, ETC.</u>			
	<u>Earth filling obtained from the rubble material on site and compacted in layers not exceeding 150mm to achieve 95% Modified AASHTO density</u>			
8	Backfilling to trenches	m3	7	
	Carried Forward			
	Section No. 4			
	Bill No. 3			
	Retaining Wall			

Brought Forward			R
<u>Soil Poisoning</u>			
9	Termite poisoning of ground surfaces under solid floors by the treatment of ground in accordance with SABS 0124 and application in accordance with SABS 1164 and 1165	m2	146
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>20MPa/20mm concrete:</u>			
10	Footings to walls (Provisional).	m3	17
11	Walkways.	m3	240
<u>REINFORCED CONCRETE CAST ON FORMWORK</u>			
12	Slabs, including beams and inverted beams.	m3	11
<u>CONCRETE TESTS</u>			
<u>Test blocks:</u>			
13	Making and testing set of three 150x150x150mm concrete strength test cubes (Provisional).	No	2
<u>BRICKWORK IN FOUNDATIONS (PROVISIONAL)</u>			
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar:</u>			
14	Half brick wall.	m2	0.5
15	One brick walls.	m2	20
<u>BRICKWORK IN SUPERSTRUCTURE</u>			
<u>Brickwork of NFP bricks (14 MPa nominal compressive strength) in Class II mortar:</u>			
16	Half brick wall.	m2	1
17	One brick walls.	m2	98
<u>BRICKWORK AND BLOCKWORK SUNDRIES</u>			
Carried Forward			R
Section No. 4 Bill No. 3 Retaining Wall			

Brought Forward			R
	<u>Bagging and sealing the outer face of the inner skin of walls with 1:3 cement and sand mixture and seal with two coats "Brixeal" bitumen emulsion waterproofing coating:</u>		
18	To walls (Provisional).	m2	118
	<u>Brickwork reinforcement:</u>		
19	75mm Wide reinforcement built in horizontally.	m	10
20	150mm Wide reinforcement built in horizontally.	m	292
	<u>FACE BRICKWORK</u>		
	<u>Face bricks (FBS) prime cost of R7 000.00 per thousand excluding VAT delivered to the site pointed with square ruled recessed horizontal and vertical joints:</u>		
21	Extra over half brick wall facing both sides.	m2	2
22	Extra over brickwork for face brickwork facing both sides.	m2	118
	<u>Brick-on-edge header course copings, sills, etc with recessed joints on all exposed faces:</u>		
23	220mm Wide header course to top of one brick wall bedded and jointed in cement mortar and pointed on top and both sides as described.	m	97
	<u>STORMWATER DRAINAGE (PROVISIONAL)</u>		
	<u>NOTE:</u>		
	Where items in this Bill are identical to those in the previous Bills, the descriptions have been shortened, and the full descriptions in the Trades concerned are to be referred to for the full meaning and intent of each item		
	For Preambles see "Specification of materials and methods to be used - PW 371"		

	<u>SURFACE DRAINAGE</u>		
	Carried Forward		R
	Section No. 4 Bill No. 3 Retaining Wall		

Section No. 4
Bill No. 3
Retaining Wall

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 4</u>			
	<u>BILL NO. 4</u>			
	<u>RAINWATER TANKS AND TANK STANDS (PROVISIONAL)</u>			
	<u>ALTERATIONS</u>			
1	Demolish water tank stands and build new (elsewhere measured)	No	4	
	<u>EARTHWORKS (Provisional)</u>			
2	Clear the whole of the site of all grass, roots, rubbish, etc. including stripping vegetable soil from the building area.	m2	140	
	<u>Excavations</u>			
	<u>Excavate in pickable material not exceeding 2 m deep below natural or reduced ground level</u>			
3	Surface trenches.	m3	8	
	<u>Extra over excavation in pickable material for column bases, trenches, lift pits, sumps, etc for excavation</u>			
4	Soft rock.	m3	1	
5	Hard rock.	m3	1	
6	Allow for risk of collapse to sides of excavations to column bases, trenches, etc. from ground level to not exceeding 1.5 m deep.	m2	24	
7	Allow for keeping excavations entirely free from water or mud.	Item		
	<u>FILLING</u>			
8	Approved clean, hard, dry filling obtained from the excavations in backfilling to trenches, well consolidated and rammed.	m3	2	
9	Filling in approved selected surplus material from the excavations, spread, levelled, watered, consolidated and compacted under solid floors. (Measured nett - no allowance will be made for bulking).	m3	10	
10	Scarify in-situ material for a depth of 150 mm and compact to obtain 93% modified AASHTO dry density.	m2	32	
	Carried Forward			
	Section No. 4			
	Bill No. 4			
	Tank Stand And Tanks			

Brought Forward			R
<u>CONCRETE, FORMWORK & REINFORCEMENT</u>			
<u>Concrete</u>			
<u>Cement concrete (15 MPa) mass in:</u>			
11	Wall footings cast against excavated surfaces.	m3	8
<u>Cement concrete (20 MPa) mass in:</u>			
12	Surface Bed.	m3	5
<u>Sundries</u>			
13	Floating off smooth tops of pavings with a wood float to falls.	m2	32
<u>Formwork</u>			
<u>General formwork</u>			
14	Edges, risers, ends and reveals not exceeding 300 mm high.	m	48
<u>MASONRY</u>			
<u>The following in Stock Bricks in (5:1) Cement Mortar</u>			
15	One brick wall.	m2	24
16	Ditto, but in foundations. (Provisional).	m2	10
<u>Facings Externally</u>			
<u>Selected facing bricks as specified in the "Notes To Tenderers" pointed with square recessed horizontal and vertical joints</u>			
17	Extra over ordinary brickwork for facing in stretcher bond and pointing as described.	m2	24
18	Face brick on edge 220mm wide, bedded and jointed in cement mortar and pointed on face and returns as described.	m	48
<u>IRONMONGERY</u>			
19	30 mm Approved brass padlock.	No	8
Carried Forward			R
Section No. 4 Bill No. 4 Tank Stand And Tanks			

Brought Forward			R
<u>PLUMBING</u>			
20	5 000 Litre plastic water storage tank complete with lid, fitted with and including 15 mm brass bibtap with handle suitable for padlocking and setting in position on concrete tankstand (elsewhere measured) and tying down with 4mm diameter galvanised wire wrapped twice around centre of tank and secured to each corner of tank stand with a double strand of 4mm diameter galvanised wire embedded into concrete.	No	8
21	Hole through top of tank lid for 100 mm diameter pipe.	No	8
<u>PAINTING</u>			
<u>Clean down with Spirits of Salts solution and apply two coats "Marley" Silicone-based brick dressing on :</u>			
22	Clinker brick facings (Externally).	m2	24
<u>SURFACE DRAINAGE</u>			
<u>Precast or in-situ concrete (Class 20) open stormwater channels having V-shaped waterway formed in top, finished smooth on all exposed surfaces in (3:1) untinted cement plaster trowelled smooth and with angles rounded, cast in suitable lengths, and reinforced as necessary for handling if precast, including all formwork, moulds, shallow excavation, filling and ramming, laying to falls, bedding and pointing in (3:1) cement mortar</u>			
23	Channel size 600 x 150 mm overall with 560 x 60 mm deep v-shaped waterway.	m	48
24	Extra for angle.	No	16
25	Extra for irregular T-intersection.	No	4
26	Extra for fair end.	No	4
Carried Forward to Summary of Section No. 4			R
Section No. 4			
Bill No. 4			
Tank Stand And Tanks			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 5</u>			
	<u>BILL NO. 1</u>			
	<u>SEWER</u>			
	<u>Excavate, in accordance with SABS 1200 LB, in all materials for pipe trenches, including backfilling, compaction and disposal of surplus material within the freehaul distance of 1km, for trenches 650mm wide and for single pipe up to and including 160mm diameter for depths:</u>			
1	Not exceeding 1m deep.	m	79	
2	Exceeding 1m ne 2m deep.	m	78	
3	Excavate unsuitable material from bottom of trench, including backfilling, compacting and disposal of surplus excavated material within freehaul distance of 1km.	m3	18	
	<u>Extra over excavation in all depths for:</u>			
4	Soft rock excavations.	m3	6	
5	Hard rock excavations.	m3	3	
	<u>In accordance with SABS 1200 LB, supply, lay and joint on bedding and prove the following pipe:</u>			
6	110mm Diameter uPVC pipes class 34.	m	5	
7	160mm Diameter uPVC pipes class 34.	m	152	
	<u>Manholes:</u>			
8	Manhole size 1200 x 1200 mm x not exceeding 1m deep internally to invert level formed of hard burnt one brick sides in 1:3 cement mortar on and including 200 mm thick mass concrete (20 MPa at 28 days in 19 mm stone) bottom projecting 150 mm beyond sides and mass concrete (15 MPa at 28 days in 12 mm stone) benching, rendered internally in 25mm thick sulphate resistant with 150mm thick grade 25 reinforced pre cast concrete manhole cover and lid	No	3	
	Carried Forward			
	Section No. 4			
	Bill No. 5			
	Sewer			

Brought Forward					
9	Manhole size 1200 x 1200 mm x exceeding 1m ne 2 deep internally to invert level formed of hard burnt one brick sides in 1:3 cement mortar on and including 200 mm thick mass concrete (20 MPa at 28 days in 19 mm stone) bottom projecting 150 mm beyond sides and mass concrete (15 MPa at 28 days in 12 mm stone) benching, rendered internally in 25mm thick sulphate resistant with 150mm thick grade 25 reinforced pre cast concrete manhole cover and lid	No	3		R
<p style="text-align: center;">Carried Forward to Summary of Section No. 4</p> <p>Section No. 4 Bill No. 5 Sewer</p>					R

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Bill No	SECTION SUMMARY - Section 4 - External Works		Page No	Amount
1	Storm Water Earth Berm		81	
2	Walkways, Parking, Etc		83	
3	Retaining Wall		87	
4	Tank Stand And Tanks		90	
5	Sewer		92	
6	Netball Court		93	
Carried to Final Summary				
Section No. 4				

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO 10</u>			
	<u>HEALTH AND SAFETY(PROVISIONAL)</u>			
	Tenderers are to refer to Project Specific Health And Safety Specification when pricing.			
1	Preparation of the contractor's site specific health and safety plan.		SUM	
2	Principal contractor's initial obligations in respect of the occupational health and safety act and construction regulations.		SUM	
3	Principal contractor's time related obligations in respect of the occupational health and safety act and construction regulations.		SUM	
	<u>Provision of Personal Protective Equipment</u>			
4	Reflective vests	No		
5	Hard Hats	No		
6	Protective Foot Wear	No		
7	Earplugs	No		
8	Dust Masks	No		
9	Gloves	No		
10	High visibility overalls to SARTSM Chapter 13 Level 3	No		
11	Ear Defenders SABS approved	No		
12	Provision of a full time construction health and safety officer.		SUM	
	<u>Cost of medical certificates and medical surveillance.</u>			
13	Initial (baseline) medical examinations.	No		
14	Allow for handling costs and profit.	Item		
15	Periodic and exit examinations.	No		
16	Allow for handling costs and profit	Item		
	Carried Forward		R	
	Section No. 5 Bill No. 1 Health & Safety			

**REPAIRS AND MAINTENANCE OF IKHALA TVET COLLEGE : EZIBELENI
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Brought Forward			R
17	Induction training.	No	
18	Provision of first aid boxes to GSR requirements.	No	
<u>Noise Monitoring.</u>			
19	Establishment of noise zones (Plant).	No	
20	Audiograms (Personnel).	No	
21	Submission of a site specific health and safety file		SUM
<u>Covid-19 Intervention.</u>			
22	Infra-red scanner.	No	
23	Awareness and warning signage.		SUM
24	Disposal of contaminated material.		SUM
25	Hand sanitizers.	No	
26	Sanitizing spraying chemical.	No	
27	Cloth face masks	No	
28	Latex gloves (Only for the person responsible for screening)	No	
29	Induction training for Covid 19.		SUM
30	Preparation of addendum Covid 19 Health and Safety Plan.		SUM
Carried to Final Summary			R
Section No. 5			
Bill No. 1			
Health & Safety			

**REPAIRS AND MAINTENANCE OF IKHALA TVET COLLEGE : EZIBELENI
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