

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

	Brought Forward		R
	<u>DEFINITIONS</u>		
1	A1 DEFINITIONS AND INTERPRETATION		
	Clause 1.0		
	Clause 1.1 Definition of " Commencement Date " is added:		
	"COMMENCEMENT DATE" means the date that the agreement , made in terms of the Form of Offer and Acceptance, comes into effect		
	Clause 1.1 Definition of " Construction Guarantee " is amended by replacing it with the following:		
	"CONSTRUCTION GUARANTEE" means a guarantee at call obtained by the contractor from an institution approved by the employer in terms of the employer's construction guarantee form as selected in the schedule		
	Clause 1.1 Definition of " Construction Period " is amended by replacing it with the following:		
	"CONSTRUCTION PERIOD" means the period commencing on the commencement date and ending on the date of practical completion		
	Clause 1.1 Definition of "Corrupt Practice" is added:		
	"CORRUPT PRACTICE" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution		
	Clause 1.1 Definition of " Fraudulent Practise " is added:		
	"FRAUDULENT PRACTICE" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition.		
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries		

<p style="text-align: right;">Brought Forward</p> <p>Clause 1.1 Definition of "Interest" is amended by replacing it with the following:</p> <p>"INTEREST" means the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999).</p> <p>Clause 1.1 Definition of "Principal Agent" is amended by replacing it with the following:</p> <p>"PRINCIPAL AGENT" means the person or entity appointed by the employer and named in the schedule. In the event of a principal agent not being appointed, then all duties and obligations of a principal agent as detailed in the agreement shall be fulfilled by a representative of the employer as named in the schedule</p> <p>Clause 1.1 Definition of "Security" is amended by replacing it with the following:</p> <p>"SECURITY" means the form of security provided by the employer or contractor, as stated in the schedule, from which the contractor or employer may recover expense or loss</p> <p>Clause 1.6 is amended by replacing the words "prepaid registered post, telefax or e-mail" with "prepaid registered post or telefax"</p> <p>Clause 1.6.4 is amended by replacing it with the following:</p> <p>No clause</p> <p>Fixed:_____ Value related:_____ Time related:_____</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>	<p style="text-align: center;">Item</p>	<p style="text-align: right;">R</p>	
		R	

	Brought Forward	R
	OBJECTIVE AND PREPARATION	
2	A2 OFFER, ACCEPTANCE AND PERFORMANCE Clause 2.0 Fixed:_____ Value related:_____ Time related:_____	Item
3	A3 DOCUMENTS Clause 3.0 Clause 3.2.1 is amended by replacing "14.1" with "14.0" Clause 3.7 is amended by the addition of the following: The contractor shall supply and keep a copy of the JBCC Series 2000 Principal Building Agreement and Preliminaries applicable to this contract on the site , to which the employer, principal agent and agents shall have access at all times Clause 3.10 is amended by replacing the second reference to " principal agent " with the word " employer " Fixed:_____ Value related:_____ Time related:_____	Item
4	A4 DESIGN RESPONSIBILITY Clause 4.0 Clause 4.3 is amended by replacing it with the following: No clause Fixed:_____ Value related:_____ Time related:_____	Item
	Carried Forward	R
	Section No. 1 Bill No. 1 Preliminaries	

	Brought Forward	R	
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	
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	
	Carried Forward	R	
	Section No. 1 Bill No. 1 Preliminaries		

	Brought Forward		R
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		
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries		

<p style="text-align: center;">Brought Forward</p> <p>10.6 Injury to Persons or loss of or damage to Properties</p> <p>(a) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the works unless due to any act or 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 style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>	<p style="text-align: center;">R</p> <p style="text-align: center;">R</p>
---	---

<p style="text-align: center;">Brought Forward</p> <p>(e) Where the execution of the works involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the contractor shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the works has been completed</p> <p>(f) The contractor shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the works</p> <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 style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>	<p style="text-align: center;">R</p> <p style="text-align: center;">R</p>
--	---

Brought Forward		R		
<p>10.7.2 Injury to persons or loss of or damage to property</p> <p>The contractor shall be liable for and hereby indemnifies and holds harmless the employer against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above</p> <p>The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract</p> <p>10.7.3 It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the contractor's obligations in terms of the contract, the contractor shall, within twenty-one (21) calendar days of the commencement date but before commencement of the works, submit to the employer proof of such insurance policy, if requested to do so</p> <p>10.7.4 The employer shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the contractor's default of his obligations as set out in 10.7.1; 10.7.2 and 10.7.3. Such losses or damages may be recovered from the contractor or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the employer and the contractor and for this purpose all these contracts shall be considered one indivisible whole</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item			
Carried Forward Section No. 1 Bill No. 1 Preliminaries		R		

	Brought Forward	R
11	A11 LIABILITY INSURANCES Clause 11.0 Fixed:_____ Value related:_____ Time related:_____ 	Item
12	A12 EFFECTING INSURANCES Clause 12.0 Fixed:_____ Value related:_____ Time related:_____ 	Item
13	A13.0 No clause	N/A
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	
	Carried Forward	R
Section No. 1 Bill No. 1 Preliminaries		

<p style="text-align: center;">Brought Forward</p> <p>14.2 In respect of contracts with a contract sum above R1 million, the contractor shall have the right to select the security to be provided in terms of 14.3, 14.4, 14.5, 14.6, or 14.7 as stated in the schedule. Such security shall be provided to the employer within twenty-one (21) calendar days from commencement date. Should the contractor fail to select the security to be provided or should the contractor fail to provide the employer with the selected security within twenty-one (21) calendar days from commencement date, the security in terms of 14.7 shall be deemed to have been selected.</p> <p>14.3 Where security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected:</p> <p>14.3.1 The contractor shall furnish the employer with a cash deposit equal in value to ten per cent (10%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date</p> <p>14.3.2 Within twenty-one (21) calendar days of the date of practical completion of the works the employer shall reduce the cash deposit to an amount equal to three per cent (3%) of the contract value (excluding VAT), and refund the balance to the contractor</p> <p>14.3.3 Within twenty-one (21) calendar days of the date of final completion of the works the employer shall reduce the cash deposit to an amount equal to one per cent (1%) of the contract value (excluding VAT) and refund the balance to the contractor</p> <p>14.3.4 On the date of payment of the amount in the final payment certificate, the employer shall refund the remainder of the cash deposit to the contractor</p> <p>14.3.5 The employer shall be entitled to recover expense and loss from the cash deposit in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof to the contractor</p> <p>14.3.6 The parties expressly agree that neither the employer nor the contractor shall be entitled to cede the rights to the deposit to any third party</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>		R	

<p style="text-align: right;">Brought Forward</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>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>		R	
<p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>		R	

<p style="text-align: right;">Brought Forward</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> <p>Section No. 1 Bill No. 1 Preliminaries</p>	<p style="text-align: center;">R</p> <hr/> <p style="text-align: center;">R</p>
--	---

	<p>Brought Forward</p> <p>14.8 Payments made by the guarantor to the employer in terms of the fixed or variable construction guarantee shall not prejudice the rights of the employer or contractor in terms of this agreement</p> <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> <p>15 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> <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> <p>Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>		R	
		Item		
			R	

	Brought Forward		R
16	A16 ACCESS TO THE WORKS Clause 16.0 Fixed:_____ Value related:_____ Time related:_____	Item	
17	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	
18	A18 SETTING OUT OF THE WORKS Clause 18.0 Fixed:_____ Value related:_____ Time related:_____	Item	
19	A19 ASSIGNMENT Clause 19.0 Fixed:_____ Value related:_____ Time related:_____	Item	
20	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	
	Carried Forward		R
Section No. 1 Bill No. 1 Preliminaries			

	Brought Forward		R
21	A21 SELECTED SUBCONTRACTORS Clause 21.0 Clause 21 is amended by replacing it with: No Clause Fixed: _____ Value related: _____ Time related: _____	Item	
22	A22 EMPLOYER'S DIRECT CONTRACTORS Clause 22.0 Fixed: _____ Value related: _____ Time related: _____	Item	
23	A23 CONTRACTOR'S DOMESTIC SUBCONTRACTORS Clause 23.0 Fixed: _____ Value related: _____ Time related: _____ <u>COMPLETION</u>	Item	
24	A24 PRACTICAL COMPLETION Clause 24.0 Fixed: _____ Value related: _____ Time related: _____	Item	
25	A25 WORK'S COMPLETION Clause 25.0 Fixed: _____ Value related: _____ Time related: _____	Item	
	Carried Forward		R
Section No. 1 Bill No. 1 Preliminaries			

	Brought Forward	R
26	A26 FINAL COMPLETION Clause 26.0 Clause 26.1.2 s amended by inserting "#" next 26.1.2 Fixed:_____ Value related:_____ Time related:_____ 	Item
27	A27 LATENT DEFECTS LIABILITY PERIOD Clause 27.0 Fixed:_____ Value related:_____ Time related:_____ 	Item
28	A28 SECTIONAL COMPLETION Clause 28.0 Fixed:_____ Value related:_____ Time related:_____ 	Item
29	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
30	A30 PENALTY FOR NON-COMPLETION Clause 30.0 Fixed:_____ Value related:_____ Time related:_____ 	Item
	Carried Forward	R
	Section No. 1 Bill No. 1 Preliminaries	

	Brought Forward	R
	PAYMENT	
31	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	
	31.8(A).3 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 34.6	
	31.8(A).4 One hundred per cent (100%) of such value in the final payment certificate in terms of 34.6 except where the amount certified is in favour of the employer . In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate	
	Alternative B	
	31.8(B) Where security 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:	
	Carried Forward	R
	Section No. 1 Bill No. 1 Preliminaries	

	Brought Forward		R	
	<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>			
32	A32 ADJUSTMENT TO THE CONTRACT VALUE	Item		
	<p>Clause 32.0</p> <p>Clauses 32.5.1, 32.5.4 and 32.5.7 are amended by the addition of the following at the end of the sentence:</p> <p>"due to no fault of the contractor"</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item		
	Carried Forward		R	
	<p>Section No. 1</p> <p>Bill No. 1</p> <p>Preliminaries</p>			

Brought Forward		R
33	A33 RECOVERY OF EXPENSE AND LOSS Clause 33.0 Fixed: _____ Value related: _____ Time related: _____	Item
34	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
35	A35 PAYMENT TO OTHER PARTIES Clause 35.0 Fixed: _____ Value related: _____ Time related: _____	Item
Carried Forward		R
Section No. 1 Bill No. 1 Preliminaries		

[illegible]

	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>			
37	A38 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT	Item		
	<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		
	Carried Forward			R
	<p>Section No. 1 Bill No. 1 Preliminaries</p>			

		Brought Forward			R
38	<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			
39	<p>A40 DISPUTE SETTLEMENT</p> <p>Clause 40.0</p> <p>Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years"</p> <p>Clause 40.6 is amended by removing the reference to:</p> <p>No clause</p> <p>Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following:</p> <p>Whether or not mediation resolves the dispute, the parties shall bear their own cost concerning the mediation and equally share the costs of the mediator and related costs</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item			
	<u>SUBSTITUTE PROVISIONS</u>				
40	<p>A41 STATE CLAUSES</p> <p>Clause 41.0</p> <p>Fixed:_____ Value related:_____ Time related:_____</p>	Item			
	<u>CONTRACT VARIABLES</u>				
		Carried Forward			R
<p>Section No. 1 Bill No. 1 Preliminaries</p>					

Brought Forward

R

THE SCHEDULE (DPW04EC)

41	A42	PRE-TENDER INFORMATION
----	------------	-------------------------------

Clause 42.0

Tenderers are referred to the document C1.2 Contract Data DPW04(EC) for variables pertaining to this contract

Fixed: _____ Value related: _____ Time
related: _____

Item

Carried Forward

R

Section No. 1
Bill No. 1
Preliminaries

	Brought Forward		R	
	<u>SECTION B: JBCC PRELIMINARIES</u>			
	<u>B1.0 DEFINITIONS AND INTERPRETATION</u>			
42	<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>			
43	<i>B2.1 Checking of documents</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
44	<i>B2.2 Provisional bills of quantities</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
45	<i>B2.3 Availability of construction documentation</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
46	<i>B2.4 Interests of agents</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
47	<i>B2.5 Priced documents</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
48	<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			

	Brought Forward		R
	<u>B3.0 THE SITE</u>		
49	<i>B3.1 Defined works area</i>		
	Fixed: _____ Value related: _____ Time related: _____	Item	
50	<i>B3.2 Geotechnical investigation</i>		
	Fixed: _____ Value related: _____ Time related: _____	Item	
51	<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	
52	<i>B3.4 Existing premises occupied</i>		
	Fixed: _____ Value related: _____ Time related: _____	Item	
53	<i>B3.5 Previous work - dimensional accuracy</i>		
	Fixed: _____ Value related: _____ Time related: _____	Item	
54	<i>B3.6 Previous work - defects</i>		
	Fixed: _____ Value related: _____ Time related: _____	Item	
55	<i>B3.7 Services - known</i>		
	Fixed: _____ Value related: _____ Time related: _____	Item	
56	<i>B3.8 Services - unknown</i>		
	Fixed: _____ Value related: _____ Time related: _____	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries		

	Brought Forward		R	
57	B3.9 Protection of trees Fixed: _____ Value related: _____ Time related: _____	Item		
58	B3.10 Articles of value Fixed: _____ Value related: _____ Time related: _____	Item		
59	B3.11 Inspection of adjoining properties Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B4.0 MANAGEMENT OF CONTRACT</u>			
60	B4.1 Management of the works Fixed: _____ Value related: _____ Time related: _____	Item		
61	B4.2 Programme for the works Fixed: _____ Value related: _____ Time related: _____	Item		
62	B4.3 Progress meetings Fixed: _____ Value related: _____ Time related: _____	Item		
63	B4.4 Technical meetings Fixed: _____ Value related: _____ Time related: _____	Item		
64	B4.5 Labour and plant records Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u>			
65	B5.1 Samples of materials Fixed: _____ Value related: _____ Time related: _____	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries			

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

	Brought Forward		R	
	<u>B7.0 TEMPORARY SERVICES</u>			
75	<i>B7.1 Location</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
76	<i>B7.2 Water</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
77	<i>B7.3 Electricity</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
78	<i>B7.4 Telecommunication facilities</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
79	<i>B7.5 Ablution facilities</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B8.0 PRIME COST AMOUNTS</u>			
80	<i>B8.1 Responsibility for prime cost amounts</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>9.0 ATTENDANCE ON N/S SUBCONTRACTORS</u>			
81	<i>B9.1 General attendance</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
82	<i>B9.2 Special attendance</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries			

	Brought Forward		R
83	B9.3 Commissioning - fuel, water and electricity Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B10. FINANCIAL ASPECTS</u>		
84	B10.1 Statutory taxes, duties and levies Fixed: _____ Value related: _____ Time related: _____	Item	
85	B10.2 Payment for preliminaries Fixed: _____ Value related: _____ Time related: _____	Item	
86	B10.3 Adjustment of preliminaries Clauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) working days of taking possession of the site " with "in his priced bills of quantities /lump sum document submitted with his tender offer" Fixed: _____ Value related: _____ Time related: _____	Item	
87	B10.4 Payment certificate cash flow Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>B11. GENERAL</u>		
88	B11.1 Protection of the works Fixed: _____ Value related: _____ Time related: _____	Item	
89	B11.2 Protection / isolation of existing / sectionally occupied works Fixed: _____ Value related: _____ Time related: _____	Item	
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries		

	Brought Forward		R	
90	B11.3 Security of the works Fixed: _____ Value related: _____ Time related: _____	Item		
91	B11.4 Notice before covering work Fixed: _____ Value related: _____ Time related: _____	Item		
92	11.5 Disturbance Fixed: _____ Value related: _____ Time related: _____	Item		
93	B11.6 Environmental disturbance Fixed: _____ Value related: _____ Time related: _____	Item		
94	B11.7 Works cleaning and clearing Fixed: _____ Value related: _____ Time related: _____	Item		
95	B11.8 Vermin Fixed: _____ Value related: _____ Time related: _____	Item		
96	B11.9 Overhand work Fixed: _____ Value related: _____ Time related: _____	Item		
97	B11.10 Instruction manuals and guarantees Fixed: _____ Value related: _____ Time related: _____	Item		
98	B11.11 As built information Fixed: _____ Value related: _____ Time related: _____	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries			

		Brought Forward		R	
99	B11.12 Tenant installations	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B12. SCHEDULE OF VARIABLES</u>				
100	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. 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> <p>12.1 PRE TENDER INFORMATION</p> <p>12.1.1 Provisional Bills of Quantities</p> <p>[2.2] The quantities are provisional: <i>NO</i></p> <p>12.1.2 Availability of construction documentation</p> <p>[2.3] <i>Construction of documentation is complete: NO</i></p> <p>12.1.3 Interest of agents</p> <p>[2.4] Details: To be advised.</p> <p>12.1.4 Defined works area</p> <p>[3.1] Details: Ski Boat Club, Diaz Road Jeffrey's Bay</p> <p>12.1.5 Geotechnical investigation</p> <p>[3.2] Details: NONE</p> <p>12.1.6 Existing premises occupied</p> <p>[3.4] Specific requirements: N/A</p>				
		Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries				

<p style="text-align: center;">Brought Forward</p> <p>12.1.7 Previous work - dimensional accuracy [3.5] Details: N/A</p> <p>12.1.8 Previous work - defects [3.6] Details: N/A</p> <p>12.1.9 Services - known [3.7] Details:</p> <p style="padding-left: 40px;"><i>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.</i></p> <p>12.1.10 Protection of trees [3.9] Specific requirements:</p> <p style="padding-left: 40px;">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:</p> <p style="padding-left: 40px;">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:</p> <p style="padding-left: 40px;">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 style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>	<p style="text-align: center;">R</p> <p style="text-align: center;">R</p>
---	---

<p style="text-align: center;">Brought Forward</p> <p>12.1.14 Main notice board [6.5] Specific requirements:</p> <p>The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3000 x 3420mm constructed of suitable boarding with flat smooth surface and with edging bead 40mm thick all round.</p> <p>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. (Proof to be sent to Department of Public Works for Attention Mr. Charles van der Westhuizen at 040 - 6094414).</p> <p>Sub-contractor's individual boards will be allowed on the site subject to the written approval of the Representative/Agent.</p> <p>12.1.15 Subcontractors' notice board [6.6] Specific requirements: <i>NO</i></p> <p>12.1.16 Water [7.2] <i>Option A (by contractor)</i> <i>(YES)</i></p> <p><i>Option B (by employer - free of charge when available)</i> <i>(NO)</i></p> <p><i>Option C (by employer - metered)</i> <i>(NO)</i></p> <p>12.1.17 Electricity [7.3] <u><i>Option A (by contractor)</i></u> <i>(YES)</i></p> <p><i>Option B (by employer - free of charge when available)</i> <i>(NO)</i></p> <p><i>Option C (by employer - metered)</i> <i>(NO)</i></p> <p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>	<p style="text-align: center;">R</p> <p style="text-align: center;">R</p>
--	---

<p style="text-align: right;">Brought Forward</p> <p>12.1.18 Telecommunications [7.4] <u>Telephone</u> (YES)</p> <p><u>Facsimile</u> (NO)</p> <p><u>E-mail</u> (NO)</p> <p>12.1.19 Ablution facilities [7.5] <u>Option A (by contractor)</u> (YES)</p> <p>Option B (by employer) (NO)</p> <p>12.1.20 Protection of existing/sectionally occupied works [11.2] Protection is required (Only when existing buildings)</p> <p>12.1.21 Special attendance [9.2] Electrical sub-contractor (1) details: Site Meetings</p> <p>12.1.22 Protection of works [11.1] Specific requirements: The contractor shall protect the works for the duration of the contract.</p> <p>12.1.23 Disturbance [11.5] Specific requirements: The contractor shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the principal agent</p> <p>12.1.24 Environmental disturbance [11.6] Specific requirements: None</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>	<p style="text-align: center;">R</p> <hr/> <p style="text-align: center;">R</p>
---	---

Brought Forward		R	
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: EPWP requirements as per form C3.5 of the tender documentation.		
Carried Forward		R	
Section No. 1 Bill No. 1 Preliminaries			

<p style="text-align: right;">Brought Forward</p> <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 Amount of insurance against removal of support to adjoining properties in respect of any single occurrence Not specifically prescribed</p> <p>Contract Price Adjustment Provisions (CPAP): Not applicable (No Contract Price Adjustment), fixed Contract Amount.</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 arrear:</p> <p style="text-align: center;">R2.75c per R100 of contract value per day (Excluding VAT)</p> <p>Contract drawing numbers:</p> <p style="text-align: center;">Refer to drawing schedule.</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> <p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>	<p style="text-align: center;">R</p> <p style="text-align: center;">R</p>
---	---

		Brought Forward			R
101	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		
102	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		
103	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.</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</p>				

	Brought Forward	R
104	<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
105	<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
106	<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
	Carried Forward	R
	Section No. 1 Bill No. 1 Preliminaries	

		Brought Forward			R
107	C7	ENTRANCE PERMITS TO SECURITY AREAS			
		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			
		Fixed: _____ Value related: _____ Time related: _____	Item		
108	C8	SECURITY CHECK OF PERSONNEL			
		The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified			
		In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works			
		Fixed: _____ Value related: _____ Time related: _____	Item		
109	C9	PROHIBITION ON TAKING OF PHOTOGRAPHS			
		In terms of article 119 of the defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister			
		The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959			
		Fixed: _____ Value related: _____ Time related: _____	Item		
		Carried Forward			R
		Section No. 1 Bill No. 1 Preliminaries			

		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</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>			
110	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		
		Carried Forward			R
		<p>Section No. 1 Bill No. 1 Preliminaries</p>			

	Brought Forward		R	
111	C10.2 AWARENESS WORKSHOPS Selection and appointment of a competent Service Provider approved by the principal agent , provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification Fixed: _____ Value related: _____ Time related: _____	Item		
112	C10.3 POSTERS, BOOKLETS, VIDEOS, ETC. Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period , all in accordance with the HIV/AIDS Specification Fixed: _____ Value related: _____ Time related: _____	Item		
113	C10.4 ACCESS TO CONDOMS Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period , all in accordance with the HIV/AIDS Specification Fixed: _____ Value related: _____ Time related: _____	Item		
114	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	
	Section No. 1 Bill No. 1 Preliminaries			

Brought Forward

R

C11 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 override any of the requirements in the generic labour intensive specification in the Scope of Works.

115	C11.1 LABOUR INTENSIVE
-----	-------------------------------

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

Item No		Quantity	Rate	Amount
	<u>EARTHWORKS (PROVISIONAL)</u>			
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 1</u>			
	<u>PREAMBLES</u>			
	<u>The contractor is referred to the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Nature of ground</u>			
	<u>A soils investigation has been carried out on site by the engineer and the report is annexed to these bills of quantities. Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" described in the above report and where conditions of a more difficult character are indicated these are separately measured.</u>			
	<u>Carting away of excavated material</u>			
	<u>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site.</u>			
	<u>Filling</u>			
	<u>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material.</u>			
	<u>Trade names</u>			
	<u>Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior written approval from the Project Manager.</u>			
	Carried Forward		R	
	Section No. 2 Bill No. 1 Earthwork			

Brought Forward			R	
<u>Excavations in conditions other than earth</u>				
Should the contractor consider that the excavation at any point are in "soft rock" or "hard rock", he must notify the Principal Agent immediately in order that an inspection may be made and a decision arrived at by the Project Manager as to the category of such excavation. Should the contractor fail to give such notification, the excavation shall be deemed to be in earth and shall be valued accordingly.				
<u>Subterranean water</u>				
The information on subterranean water is included in the soils investigation report and can be viewed at the Engineer's offices.				
<u>SITE CLEARANCE, ETC</u>				
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	No	2	
2	Strip topsoil average 150mm deep and dispose offsite	m2	364	
<u>BULK EXCAVATION, FILLING, ETC</u>				
3	Excavation in earth for pit not exceeding 2m deep	m3	144	
4	Exceeding 2m and not exceeding 4m deep	m3		
<u>Extra over bulk excavations in earth for excavation in</u>				
5	Soft rock	m3	43	
6	Hard rock	m3	9	
<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	196	
Carried Forward			R	
Section No. 2 Bill No. 1 Earthwork				

Brought Forward			R
<u>Risk of collapse of excavations</u>			
8	Sides of bulk excavations exceeding 1,5m deep	m2	59
<u>Keeping excavations free of water</u>			
9	Keeping excavations free of all water other than subterranean water	Item	
<u>FILLING, ETC</u>			
10	Backfilling soilcrete 8%	m3	50
<u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u>			
11	Excavation in earth or compacted filling not exceeding 2m deep in trenches	m3	76
<u>Extra over trench and hole excavations in earth for excavation in</u>			
12	Soft rock	m3	23
13	Hard rock	m3	11
<u>Extra over all excavations for carting away</u>			
14	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	110
<u>Risk of collapse of excavations</u>			
15	Sides of trench and hole excavations not exceeding 1,5m deep	m2	45
<u>Keeping excavations free of water</u>			
16	Keeping excavations free of all water other than subterranean water	Item	
Carried Forward			R
Section No. 2 Bill No. 1 Earthwork			

Brought Forward			R
<u>FILLING, ETC</u>			
17	Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density to trenches, holes, etc	m3	103
18	Earth filling of G7 material supplied by the contractor compacted in 150mm layers to 95% Mod AASHTO to density under floors, steps, pavings, Concrete walkway etc	m3	94
19	Coarse river sand filling supplied by the contractor under floors etc	m3	
<u>Compaction of surfaces</u>			
20	Compaction of natural or excavated 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	279
<u>Prescribed density tests on filling</u>			
21	"Modified AASHTO Density" test	No	4
<u>SOIL POISONING</u>			
<u>Soil insecticide under a 10 year guarantee by a firm of specialist</u>			
22	Under floors, etc including forming and poisoning shallow furrows etc and filling in furrows and ramming	m2	201
23	To bottoms and sides of trenches, aprons etc	m2	255
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 1			
Earthwork			

Item No	Quantity	Rate	Amount
<u>SECTION NO. 2</u>			
<u>BILL NO. 2</u>			
<u>CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)</u>			
<u>PREAMBLES</u>			
The contractor is referred to the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Cost of tests</u>			
The costs of making, storing and testing of concrete test cubes/slump tests as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Engineer. The testing shall be undertaken by an independent firm or institution nominated by the contractor and to the approval of the Engineer. (Test cubes are measured separately).			
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>15MPa/19mm Concrete in:</u>			
1	Surface blinding under footings and bases	m3	10
2	Aprons	m3	5
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
Carried Forward			R
Section No. 2 Bill No. 2 Concrete_Formwork_Reinf			

Brought Forward			R
	<u>25MPa/19mm concrete in:</u>		
3	Strip footings	m3	63
	<u>REINFORCED CONCRETE</u>		
	<u>25MPa/19mm concrete</u>		
4	Surface beds cast in panels on waterproofing	m3	28
5	Slabs	m3	14
6	220 x 220mm concrete columns including all propping and formwork	No	
	<u>TEST CUBES (PROVISIONAL)</u>		
7	Making and testing 150 x 150 x 150mm concrete strength test cube and submit report to the Representative / Agent (only successful tests will be paid for)	No	5
	<u>CONCRETE SUNDRIES</u>		
	<u>Finishing top surfaces of concrete smooth with a steel trowel</u>		
8	Surface beds, slabs, etc	m2	183
9	Aprons	m2	61
	<u>FORMWORK</u>		
	<u>Rough formwork to sides:</u>		
10	Edges, risers, ends and reveals not exceeding 300mm high or wide	m2	50
	Carried Forward		R
	Section No. 2		
	Bill No. 2		
	Concrete_Formwork_Reinf		

Brought Forward			R
<u>Permanent formwork to soffits:</u>			
11	Slabs propped up exceeding 1500mm	m2	91
12	Leave or form 500mm diameter opening in top of floor slab	No	16
<u>MOVEMENT JOINTS, ETC</u>			
<u>Expansion joints with 10mm bitumen impregnated softboard closed cell expanded polyethylene between vertical concrete and brick surfaces</u>			
13	Not exceeding 300mm high to edges of surface beds	m	120
14	Saw cut joints 5 x 10mm Saw cuts in top of concrete	m	75
<u>REINFORCEMENT</u>			
<u>Mild steel reinforcement to structural concrete work</u>			
15	In Varying diameters	t	
<u>High tensile steel reinforcement to structural concrete work</u>			
16	In Varying diameters	t	
<u>Fabric reinforcement</u>			
17	Mesh Ref 193 fabric reinforcement in concrete surface beds, slabs, aprons etc	m2	183
18	Mesh Ref 617 fabric reinforcement in concrete surface beds, slabs, aprons etc	m2	91
19	Mesh Ref 215 fabric reinforcement in concrete surface beds, slabs, aprons etc	m2	94
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 2			
Concrete_Formwork_Reinf			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 3</u>			
	<u>MASONRY (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	The contractor is referred to the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>BRICKWORK</u>			
	Unless otherwise described, all brickwork shall be built in stretcher bond			
	<u>SIZES IN DESCRIPTIONS</u>			
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick			
	<u>POINTING</u>			
	Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc			
	<u>WALL TIES</u>			
	Descriptions of solid walls (except if built in English bond) and cavity walls shall be deemed to include metal wall ties complying with SABS 28, and of the butterfly or of the modified PWD type, of the required length with each end built at least 75mm deep into brickwork, spaced at not more than 1m centres alternately to every third course of brickwork			
	<u>FACINGS</u>			
	Descriptions of "Extra over ordinary brickwork" items shall be deemed to include for the extra cost of the facing bricks specified over common brickwork built in stretcher bond unless otherwise stated, and shall include for building in cement mortar made of clean			
	Carried Forward		R	
	Section No. 2 Bill No. 3 Masonry			

Brought Forward			R
<u>washed sand</u>			
<u>Bricks shall be ordered timeously to obtain uniformity in size and colour</u>			
<u>SAMPLE PANEL</u>			
<u>The contractor shall be required to build a 2m² sample panel of face brick work for approval by the Agent / Representative prior to commencing with the work</u>			
<u>FOUNDATIONS (PROVISIONAL)</u>			
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class I mortar</u>			
1	One brick walls	m2	78
2	One brick walls in pit (M200)	m2	112
3	Half brick corbelling in pit	m	55
<u>SUPERSTRUCTURE</u>			
<u>Brickwork in NFP bricks (7 Mpa nominal compressive strength) in class II mortar</u>			
4	Half brick walls	m2	55
5	Half brick walls in beamfilling	m2	27
6	One brick walls.	m2	408
<u>BRICKWORK SUNDRIES</u>			
<u>Brickwork reinforcement</u>			
7	75mm Wide reinforcement built in horizontally	m	363
8	150mm Wide reinforcement built in horizontally	m	999
Carried Forward			R
Section No. 2 Bill No. 3 Masonry			

Brought Forward				R
9	Wire wall ties	No	50	
	<u>Concrete prestressed fabricated lintels</u>			
10	110 x 75mm Lintels in lengths not exceeding 3m	m	22	
11	Galvanised hoop iron cramps, ties, etc 30 x 1,6mm Wall tie 500mm long with one end cast into concrete and other end built into brickwork	No	50	
12	Turning pieces 110mm Wide turning piece to lintels etc	m	22	
13	Air bricks etc 230 x 160mm Cement air brick	No	12	
	<u>FACE BRICKWORK</u>			
	<u>Approved face bricks pointed with recessed horizontal and vertical joints (Allow PC Amount of R 7 500.00 per thousand delivered to site excluding VAT)</u>			
14	Extra over brickwork for face brickwork	m2	308	
15	Extra over brickwork for face brickwork in foundations (Provisional)	m2	15	
16	Extra over brickwork for face brickwork in beamfilling	m2	27	
17	Extra over brickwork for face brickwork in column base	m3	3	
18	Fair raking and splay cutting	m	20	
19	Breeze wall	m2	7	
	<u>Brick-on-edge header course copings, sills, etc approved face bricks pointed with recessed joints on all exposed faces</u>			
20	Brick-on-edge header course lintel pointed on face and 110mm soffit	m	22	
	Carried Forward			R
	Section No. 2 Bill No. 3 Masonry			

Brought Forward				R
21	Cut face brick-on-edge external window cill, 180mm wide, set sloping and slightly projecting in cement mortar and pointed on top, front edge and projecting soffit including all necessary fair raking cutting to facings under and fair and fitted ends	m	22	
22	Cut face brick-on-edge internal window cill, 115mm wide, set horizontal and flush in cement mortar and pointed on top and front edge	m	5	
<u>Sample panel</u>				
23	Construct a sample panel 2000mm long x 1500mm high of one brick wall in cement mortar faced and pointed on both sides in stretcher bond and with brick-on-edge coping to top including pointing to top and both sides and with and including necessary excavations for and including 15MPa/38mm mass concrete strip footing in a position as directed by the Representative/Agent and including demolishing and removal after completion of all brickwork	No	1	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 3				
Masonry				

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 4</u>			
	<u>WATERPROOFING (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	<u>The contractor is referred to the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Waterproofing</u>			
	<u>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</u>			
	<u>DAMPPROOFING OF WALLS AND FLOORS</u>			
	<u>One layer approved 375 micron embossed black polyethylene damp proof course</u>			
1	In walls	m2	100	
	<u>One layer 250 micron green polyethylene waterproof sheeting complying with SABS 952 Type C in widest practicable widths with all joints lapped and sealed with pressure sensitive tape all in strict accordance with the manufacturer's requirements</u>			
2	Under surface beds	m2	183	
	<u>JOINT SEALANTS, ETC</u>			
	<u>Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc</u>			
3	10 x 25mm In expansion joints in floors including raking out expansion joint filler as necessary	m	50	
	Carried Forward		R	
	Section No. 2			
	Bill No. 4			
	Waterproofing			

Brought Forward			R
<u>Polyurethane sealing compound including backing cord, bond breaker, primer, etc</u>			
4	5 x 10mm In saw cut joints in floors	m	50
<p>Carried Forward to Summary of Section No. 2</p> <p>Section No. 2 Bill No. 4 Waterproofing</p>			R

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 5</u>			
	<u>ROOF COVERINGS, ETC (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	The contractor is referred to the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			

	Note The Contractor is to submit a certificate signed by the merchant, stating that the galvanised roof covering supplied complies with the required thickness specified			
	<u>0,8mm IBR profiled chromadek side cladding sheeting, colour: Fish eagle white fixed to 76 x 50 mm timber purlins to engineer's detail in strict accordance to manufacturer's instructions</u>			
	<u>Roof covering with pitch not exceeding 10 degrees</u>			

1	Female Ablution	m2	49	
2	Staff Ablution	m2	43	
3	Boys Ablution	m2	49	
4	Grade R	m2	60	
	<u>ROOF AND WALL INSULATION</u>			
	<u>"Super Sisalation" Heavy Industrial Grade 420 or other approved - Double sided reflective foil laminate incorporating layers of kraft paper and reinforcing scrim, laminated together with low density polyethylene (293gsm):</u>			
5	Insulation laid taut over purlins (at approximately 1m centres) and fixed concurrent with roof covering, including taped laps and nylon / galvanised straining wires.	m2	201	
	Carried Forward to Summary of Section No. 2			
	Section No. 2			
	Bill No. 5			
	Roof Covering			
			R	

Carried Forward

R

<p style="text-align: center;">Brought Forward</p> <p><u>Construction of fittings shall be generally of wood, screwed and glued with pelleted heads where visible. All materials used must be of the best quality fabricate approved by the Representative / Agent and all the units to be finished neat and true prior to installation and finishing</u></p> <p><u>DOORS TO FITTINGS</u></p> <p><u>Sizes of doors and drawers are approximate. Correct sizes must be taken from the fittings concerned</u></p> <p><u>PREFABRICATED METAL CONNECTOR PLATE</u> <u>TIMBER ROOF TRUSSES</u></p> <p>a. <u>All the roof trusses to be designed and constructed with softwood structural timber to include for live loads, wind loads and to take profiled metal roof covering, purlins and fibre cement or gypsum plasterboard ceilings with branderling. Each roof truss shall have all its members accurately cut and close butted together and rigidly fixed by CSIR approved patented galvanised metal spike connectors, fixed on both sides of each intersection by an approved method, all in accordance with the manufacturer's instructions.</u></p> <p>b. <u>Unless otherwise described all rafter feet are to extend approximately 850mm beyond the length of the tie beam, with end splayed cut.</u></p> <p>c. <u>The design, manufacture and transportation of the roof trusses, bracing, etc. shall be under the control of a registered Engineer and it shall be required from the manufacturer of the trusses to lodge a written guarantee that his construction has been designed by a qualified Structural Engineer and that he is in possession of a capability certificate issued by the Institute for Timber Construction and approved by the Representative/Agent</u></p> <p>d. <u>All timber shall be stress-graded pine or glued laminated timber for construction or engineering purposes in accordance with the specifications of SABS Specification No 563 or as defined in SABS Specification No.1245. Stress-grades shall be marked as specified, viz V4, M4, V6, M6, etc.</u></p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 Bill No. 6 Carpentry_Joinery</p>		R	

Brought Forward		R
<p>e. <u>Erection must be carried out as described in "The Erection and Bracing of Timber Roof Trusses" published by the Truss Plate Association of South Africa Ltd. and the National Timber Research Institute, CSIR.</u></p> <p>f. <u>Descriptions of roof trusses shall be deemed to include for design, manufacture, supply, hoisting and fixing in position, trimming ends, notching, ALL TEMPORARY AND PERMANENT BRACING, fixing blocks, etc.</u></p> <p>g. <u>All timber must be Grade 7 as per table 3 of SABS 0163-2001</u></p> <p>h. <u>All timber screws bolts plate connection or any other type of connector to be in accordance with Annexure 'A' of SABS 0163-2001</u></p> <p>i. <u>All workshop drawings must be provided to the engineer for approval before fabrication</u></p> <p>j. <u>The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained from the architect drawings and/or the site before design or fabrication commences</u></p> <p>k. <u>All timber to be treated in accordance with SABS 05</u></p> <p>l. <u>All exposed timber to be treated with carbolineum</u></p> <p>m. <u>All roof timber to be treated with fire retardant paint</u></p> <p><u>Complete prefabricated timber roof trusses with a pitch not exceeding 10 degrees including all necessary hoisting labour, timber for bracing, purlins, wall plates, gangboards, certificate and guarantee for design and erection to be supplied by truss manufacturer. All exposed timber sections as well as sections in contact with wet trades to be creosote treated before fixing into position.</u></p>		
1	Staff Ablution (NB6) approximately 49m ² measured flat	Item
2	Male Students Ablution (NB7) approximately 42m ² measured flat	Item
3	Female Students Ablution (NB5) approximately 100m ² measured flat	Item
Carried Forward		R
Section No. 2 Bill No. 6 Carpentry_Joinery		

Brought Forward			R
4	Grade R Ablution approximately 53m ² measured flat	Item	
	<u>EAVES, VERGES, ETC</u>		
	<u>High density plain fibre-cement fascias and barge boards</u>		
5	15 x 225mm Fascias and barge boards, including galvanised steel H-profile jointing strips	m	75
	<u>DOORS ETC</u>		
	<u>Wrought meranti doors hung to steel frames</u>		
6	42mm Framed, ledged and braced batten door 813 x 2032mm high of 160mm wide top rail and stiles, 24 x 120mm middle ledge and braces and 24 x 200mm bottom ledge, filled in with 20mm tongued and grooved V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-joint and covered at back with 10mm plywood with matching veneer, let into and including rebates all round (D01)	No	
7	44mm Door, size 930 x 2032mm high	No	17
8	44mm Door, size 813 x 2032mm high	No	4
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 6			
Carpentry_Joinery			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 7</u>			
	<u>IRONMONGERY (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	The contractor is referred to the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>FINISHES TO IRONMONGERY</u>			
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list : CH Chromium plated SC Satin chromium plated PT Epoxy coated PB Polished brass PL Polished and lacquered BS Satin bronze and lacquered AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black GE Grey enamelled SE Silver enamelled SD Sanded			
	<u>HINGES, BOLTS, ETC</u>			
	<u>Samples to be approved by Architect</u>			
1	100mm Brass barrel bolt with keep let into concrete	No	17	
2	150mm Approved flush bolt with keep fixed to metal	No	5	
	<u>LOCKS</u>			
	<u>Samples to be approved by Architect</u>			
3	4 lever lockset and furniture (Allow a PC Amount of R180.00 each)	No	3	
4	Mortice water-closet indicator lock set (Allow a PC Amount of R120.00 each)	No		
5	Pad lock (PC Amount of R60.00 each)	No	4	
	Carried Forward		R	
	Section No. 2 Bill No. 7 Ironmongery			

Brought Forward			R
<u>DOOR CLOSERS</u>			
<u>Samples to be approved by Architect</u>			
6	Delayed action door closer with guide rail (Allow a PC Amount of R1300.00 each)	No	
<u>SUNDRIES</u>			
<u>In accordance with Architect's specifications</u>			
7	38mm Diameter rubber door stop plugged	No	22
8	Chromium plated hat and coat hook with rubber buffer	No	
9	147mm long Stainless steel foot operated telescopic door holder plugged	No	
<u>BATHROOM FITTINGS</u>			
<u>Samples to be approved by the Architect</u>			
10	303 x 156 x 141mm high Surface mounted stainless steel vandal and theft proof toilet roll holder	No	18
11	300 x 270 x 520mm high, 34litre surface mounted stainless steel vandal and theft proof waste disposal bin	No	4
12	300 x 300 x 300 x 32mm Stainless steel dog leg side grab rail fixed in position	No	1
13	750 long x 200mm Projecting stainless steel straight grab rail fixed in position	No	1
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 7			
Ironmongery			

Item No	Quantity	Rate	Amount
<u>SECTION NO. 2</u>			
<u>BILL NO. 8</u>			
<u>METALWORK (PROVISIONAL)</u>			
<u>PREAMBLES</u>			
The contractor is referred to the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>DESCRIPTIONS</u>			
Descriptions of bolts shall be deemed to include nuts and washers Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete Metalwork described as "holed for bolts" shall be deemed to include the bolts unless otherwise described			
1	595 x 457 Steel window (W1)	No 5	
2	889 x 457 Steel window (W2)	No 17	
<u>WELDED SCREENS, GATES, ETC</u>			
<u>The following in framed and welded galvanised mild steel security grille gates including fixing in position complete</u>			
3	Gate frame consisting of 50 x 50 x 2.5mm rectangular tubing sections metre 45 degrees at corners before welded secured against wall with 50 x 50 x 5mm mild steel brackets welded to frame and bolted to wall with 10mm (M10) rawl bolts including gate consisting of 50 x 50 x 2.5mm square tubing sections metre 45 degrees at corners before welded with 2 horizontal sections with vertical styles out of 12 x 12mm mild steel solid square bars at equal centres of 100mm complete with 2 x pairs 20mm diameter bullet hinges per gate. Size 900 x 2075mm high overall	No 4	
<u>GALVANISED PRESSED STEEL DOOR FRAMES</u>			
Carried Forward			R
Section No. 2 Bill No. 8 Metalwork			

Brought Forward			R
	<u>1.2mm Double rebated frames suitable for half brick walls with two brass butt hinges per door leaf "LI"</u>		
4	Frame for door size, 813 x 2032mm high (D02)	No	4
	<u>1.2mm Double rebated frames suitable for one brick walls with two brass butt hinges per door leaf</u>		
5	Frame for door size, 813 x 2032mm high (D01)	No	17
6	VIP toilet slab or cast iron manhole cover with hole as per manufacturer specifications	No	17
7	75*75*2MM GSM square tubing support for overhang	m	17
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 8			
Metalwork			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 09</u>			
	<u>PLASTERING (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	<u>The contractor is referred to the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Plaster described as "on brickwork" shall be deemed to include for small portions of plaster on concrete flush with brickwork and prices should include for all the necessary preparatory work</u>			
	<u>SCREEDS</u>			
	<u>1:3 Cement screeds wood floated on concrete</u>			
1	30mm Thick on floors and landings	m2	183	
	<u>GRANOLITHIC</u>			
	<u>Untinted granolithic on concrete to receive paint (paint elsewhere)</u>			
2	30mm Thick on floors and landings	m2	155	
	<u>BAGWASHING</u>			
	<u>Cement sand mix on brickwork</u>			
3	On walls	m2	518	
4	On narrow widths.	m2	15	
	Carried Forward to Summary of Section No. 2			
	Section No. 2			
	Bill No. 9			
	Plastering			
			R	

Item No	Quantity	Rate	Amount
<u>SECTION NO. 2</u>			
<u>BILL NO. 10</u>			
<u>PLUMBING AND DRAINAGE</u>			
<u>(PROVISIONAL)</u>			
<u>PREAMBLES</u>			
<p><u>The contractor is referred to the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</u></p>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>DESCRIPTIONS AND PREAMBLES</u>			
<p><u>Reference shall be made to other trades for preambles and full descriptions of items not fully described in this trade which shall apply equally to work in this trade, unless otherwise described</u></p>			
<u>RATES</u>			
<p><u>Rates for all piping, fittings, etc shall include for all fixing in position of fittings, cutting of chases in brickwork or concrete, excavation of trenches, backfilling, etc unless otherwise described</u></p>			
<u>DIAMETER OF PIPES</u>			
<p><u>Diameters stated for pipes, traps, valves, etc are internal diameters, except uPVC, polyethylene, stainless steel and copper pipes for which external diameters are stated</u></p>			
<u>REDUCING FITTINGS</u>			
		R	
Carried Forward			
Section No. 2 Bill No. 10 Plumbing_Drainage			

Brought Forward			R
<p><u>Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm, only the largest end or branch is given. Should the contractor wish to use other fittings and bushes or reducers, he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm, all sizes are given and no claim for extra bushes, reducers, etc will be entertained</u></p> <p><u>uPVC PIPES AND FITTINGS</u></p> <p><u>Sewer and drainage pipes and fittings shall be according to SABS 791, jointed and sealed with butyl rubber rings. Soil, waste and vent pipes and fittings shall be according to SABS 967 and solvent jointed. Cold water supply pressure pipes and fittings shall be according to SABS 966 and jointed by means of the "Lyng" type jointing system. Pipes shall be fixed and jointed according to SABS 0112</u></p> <p><u>RAINWATER DISPOSAL</u></p> <p><u>Pre-Painted Seamless Aluminium Ogee Gutters, Rainwater Pipes And Accessories In Long Lengths</u></p>			
1	100 x 75mm Industrial ogee eaves gutter fixed to fibre cement fascia.	m	123
2	Extra over gutter for stopped end	No	16
3	Extra over gutter for angle	No	12
4	Extra over gutter for outlet for 100mm pipe including galvanised wire balloon grating	No	4
5	75 mm Diameter galvanized sheet iron seamless rainwater downpipe fixed to walls on alloy brackets at not exceeding 1500 mm centres.	m	40
6	Extra over rainwater pipe for shoe	No	10
7	Extra over rainwater pipe for eaves or plinth offset	No	10
<u>SANITARY FITTINGS</u>			
Carried Forward			R
Section No. 2 Bill No. 10 Plumbing_Drainage			

Brought Forward			R
<u>Water Closet</u>			
8	WC suite with close coupled 90 degrees outlet open rim fit for VIP toilets complete with lid and single flap heavy duty plastic seat. Set to be fitted as per manufacturer's instructions.	No	17
<u>Paraplegic Water Closet</u>			
9	Paraplegic WC set with semi-close coupled 90degrees outlet open rim washdown pan fit for VIP toilets complete with lid, fitments, seat and cover plate. Set to be fitted as per manufacturer's instructions.	No	1
<u>URINAL</u>			
10	Atlas Plastics rotomoulded polyethylene bowl urinal - 507 colour Granite, with 40mm waterless waste, overall size 320 x 350 x 495mm high plugged and screwed to wall with galvanised screws and brackets	No	4
<u>WHB</u>			
11	Atlas Plastics rotomoulded polyethylene Christy - 382 wash hand basin colour Granite, overall size 570 x 495mm, wide with two tap holes with 40mm waste outlet, high plugged and screwed to wall with galvanised screws and brackets	No	11
<u>TAPS, VALVES, ETC</u>			
<u>Approved</u>			
12	15mm CP angle regulating valve	No	11
13	32mm CP Flush master fitted as per manufacturer's instruction	No	
14	Square type pillar tap with cold indices and flanged back nut. All items to be fully fitted with all necessary plumbing accessories	No	11
15	Demand push button chrome plated pillar tap with raised nose, cold indices and flanged bach nut. All items to be fully fitted with all necessary plumbing accessories.	No	
16	Chrome plated elbow action bib tap with trigger control hand wash set with blue indice. All items to be fully fitted with all necessary plumbing accessories.	No	
Carried Forward			R
Section No. 2 Bill No. 10 Plumbing_Drainage			

		Brought Forward		R	
17	15 x 350mm CP flexible connector	No	13		
	<u>SANITARY PLUMBING</u>				
	<u>uPVC pipes</u>				
18	50mm Pipes	m	100		
19	50mm Pipes chased into brick walls	m	65		
	<u>Extra over uPVC pipes for fittings</u>				
20	50mm Bend	No	11		
21	50mm Access bend	No	11		
22	50mm Junction	No	11		
23	50mm Access junction	No	11		
24	110mm Bend	No	11		
25	110mm Access bend	No	11		
26	110mm Socket	No	11		
27	110mm Junction	No	11		
28	110mm Reducing junction	No	11		
29	110mm Access junction	No	11		
30	110mm Two-way vent valve	No	11		
31	110mm Pan connector	No	11		
	<u>Sundries</u>				
32	Testing sanitary plumbing system		Item		
	<u>DOMESTIC WATER SUPPLIES</u>				
	<u>Class "O" copper pipes:</u>				
33	15mm Pipes	m	100		
34	15mm Pipes chased in brickwork	m	65		
		Carried Forward		R	
	Section No. 2				
	Bill No. 10				
	Plumbing_Drainage				

	Brought Forward			R	
35	22mm Pipes	m	52		
36	22mm Pipes chased in brickwork	m	42		
37	28mm Pipes	m	52		
38	28mm Pipes chased in brickwork	m	52		
	<u>Extra over class "O" copper pipes for capillary fittings "LI"</u>				
39	15mm Fittings	No	33		
40	22mm Fittings	No	33		
41	28mm Fittings	No	33		
	<u>Sundries</u>				
42	Testing water pipe system		Item		
	<u>TANKS, ETC.</u>				
	<u>1800mm Diameter 2040 high Water storage tank with black internal lining with cover and lid, connected to eaves gutter harvesting system</u>				
43	5 000 Litre water storage Jojo tank including necessary plumbing fittings and constructing the plinth complete	No	4		
44	3000mm high* 110mm diameter PVC sewer pipe vent to vent externally fixed by 110mm holder bats pipe	m	72		
	<u>BUDGETARY ALLOWANCES</u>				
	<u>The following budgetary allowances are for work to be executed by the contractor and will be measured and valued at rates in these bill of quantities.</u>				
	<u>Soakaway Tank</u>				
45	Provide the sum of R 50 000.00 (Fifty Thousand Rand) for construction of Soakaway Tank complete with all plumbing fittings, etc to be used as directed by the Principal Agent or deducted in whole or in part.		Item		
	Carried Forward to Summary of Section No. 2			R	
	Section No. 2				
	Bill No. 10				
	Plumbing_Drainage				

[illegible]

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 12</u>			
	<u>PAINTWORK (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	<u>The contractor is referred to the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions of paintwork shall be deemed to include for all cutting in</u>			
	<u>PAINT SPECIFICATION</u>			
	<u>All materials for paintwork for which South African Bureau of Standards specifications have been published shall comply the requirements of such specifications and shall bear the standardisation mark of the South African Bureau of Standards on the container or packing. Materials for paintwork for which no SABS specifications have been published shall be of a brand and manufacture approved by the Director-General prior to its use</u>			
	<u>PAINTWORK, ETC TO NEW WORK ON ON FIBRE-CEMENT</u>			
	<u>Prepare and apply one coat zinc chromate to nail heads and H-spline strips, one universal undercoat, stop and apply two finishing coats of eggshell enamel on:</u>			
1	Fascias, bargeboards, etc.	m2	30	
2	Ceilings and cornices	m2	251	
	<u>ON METAL SURFACES</u>			
	<u>One coat alkaline resistant primer, one coat universal undercoat and two coats gloss enamel paint</u>			
3	On eaves gutters	m2	10	
	Carried Forward		R	
	Section No. 2			
	Bill No. 12			
	Paintwork			

Brought Forward			R
4	On rainwater downpipes	m2	10
	<u>Prepare and apply one coat zinc phosphate alkyd resin primer, one coat universal undercoat and two full coats high gloss enamel paint</u>		
5	On pressed steel door frames	m2	18
6	On windows with burglar bars	m2	22
7	On grille gates and screens (both sides measured on flat)	m2	3
	<u>ON WOOD SURFACES</u>		
	<u>One coat primer and two coats premium quality polyurethane enamel paint</u>		
8	On doors	m2	27
	<u>Three coats polyethylene clear varnish</u>		
9	On doors	m2	27
	<u>FLOATED PLASTER SURFACES WITH</u>		
	<u>One coat Plascon merit plaster primer (UC56) and two coats Plascon Wall 'n All. Surface preparation and application as per Plascon's recommendation</u>		
10	Internal walls	m2	558
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 12			
Paintwork			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 13</u>			
	<u>EXTERNAL WORK</u>			
	<u>PREAMBLES</u>			
	The contractor is referred to the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>Paving to access roads, parking and assembly area, walkways</u>			
	<u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u>			
1	Excavation in earth or compacted filling not exceeding 2m deep in trenches	m3	180	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
2	Soft rock	m3	18	
3	Hard rock	m3	9	
	<u>Extra over all excavations for carting away</u>			
4	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	180	
	<u>Risk of collapse of excavations</u>			
5	Sides of trench and hole excavations not exceeding 1,5m deep	m2	180	
	<u>Keeping excavations free of water</u>			
6	Keeping excavations free of all water other than subterranean water	Item		
	Carried Forward		R	
	Section No. 2 Bill No. 13 External Works			

Brought Forward			R
<u>FILLING, ETC</u>			
7	Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density to trenches, holes, etc	m3	90
8	Earth filling of G7 material supplied by the contractor compacted in 150mm layers to 95% Mod AASHTO to density under floors, steps, pavings, Concrete walkway etc	m3	90
9	Coarse river sand filling supplied by the contractor under floors etc	m3	30
<u>Compaction of surfaces</u>			
10	Compaction of natural or excavated 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	600
<u>Prescribed density tests on filling</u>			
11	"Modified AASHTO Density" test	No	10
<u>SOIL POISONING</u>			
<u>Soil insecticide under a 10 year guarantee by a firm of specialist</u>			
12	Under floors, etc including forming and poisoning shallow furrows etc and filling in furrows and ramming	m2	600
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>25MPa/19mm concrete in:</u>			
13	100mm concrete 15Mpa to walkways	m3	60
Carried Forward			R
Section No. 2 Bill No. 13 External Works			

Brought Forward			R
<u>TEST CUBES (PROVISIONAL)</u>			
14	Making and testing 150 x 150 x 150mm concrete strength test cube and submit report to the Representative / Agent (only successful tests will be paid for)	No	10
<u>CONCRETE SUNDRIES</u>			
<u>Finishing top surfaces of concrete smooth with a steel trowel</u>			
15	Pavings	m2	600
<u>FORMWORK</u>			
<u>Rough formwork to sides:</u>			
16	Edges, risers, ends and reveals not exceeding 300mm high or wide	m2	360
<u>Fabric reinforcement</u>			
17	Mesh Ref 193 fabric reinforcement in concrete paving	m2	600
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 13			
External Works			

SECTION SUMMARY - Building Works		Page No	Amount	
Bill No				
1	Earthwork	47		
2	Concrete_Formwork_Reinf	50		
3	Masonry	54		
4	Waterproofing	56		
5	Roof Covering	57		
6	Carpentry_Joinery	61		
7	Ironmongery	63		
8	Metalwork	65		
9	Plastering	66		
10	Plumbing_Drainage	71		
11	Glazing	72		
12	Paintwork	74		
13	External Works	77		
Carried to Final Summary			R	
Section No. 2				

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO.1</u>			
	<u>ALTERATIONS</u>			
	<u>NOTES</u>			
	Tenderers are advised to study the "Model Preambles for Trades 1999" before pricing this schedule.			
	<u>Supplementary Preambles</u>			
	Site inspection			
	Contractors are required to inspect the site and acquaint themselves with all aspects of the works to be executed under this contract prior to the submission of their tender. No claim whatsoever will be entertained in the event of any unforeseen difficulties arising during the execution of the contract that could have been foreseen by a thorough investigation of the site, drawings and specifications.			
	General			
	The contractor shall carry out the whole of the The Works with as little mess and noise as possible and with a minimum of disturbance to adjoining premises and their tenants/occupants. He/She shall provide proper protection and provide, erect and maintain in position proper temporary tarpaulins that may be necessary to protect existing fixtures, fittings and furniture during the progress of the works and remove on completion or when directed, all to the satisfaction of the Project Manager/Principal Agent			
	Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the Project Manager/Principal Agent			
	Doors, fanlights, fittings, frames, linings, etc which are to be re- used shall be thoroughly overhauled before re-fixing, including taking off, easing and re-hanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and			
	Carried Forward		R	
	Section No. 3 Bill No. 1 Alterations			

Brought Forward			R
<p>repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-vanishing is given separately</p> <p>Prices for taking out doors, windows, etc. shall include for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc. and making good floor and wall finishes to match existing</p> <p>With regards to building up of openings in existing walls, cement screeds and paving, granolithic, tops of walls, etc. shall be levelled and prepared for raising of brickwork</p> <p>Making good finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (Doors, windows, fittings, etc)</p>			
<u>REMOVAL OF EXISTING WORK</u>			
<u>Taking out and removing doors, windows, etc. including thresholds, sills, etc. and building up openings in brick walls including making good cement plaster on both sides (making good paintwork elsewhere).</u>			
1	Single door not exceeding 2,5m²	No	15
<u>Taking down</u>			
2	Carefully remove damaged portions of existing gypsum ceiling boards including removal of damaged bandering and cornices and prepare existing to receive new (New boards elsewhere measured)	m2	840
3	Floor tiling	m2	840
Carried Forward			R
Section No. 3 Bill No. 1 Alterations			

Brought Forward			R
<u>Taking out and removing ironmongery</u>			
4	Two lever lockset with striking plate fixed to metal	No	15
<u>Carefully take down and removing rainwater goods, e.t.c</u>			
5	Gutters	m	210
6	Down pipes	m	24
<u>Servicing existing windows</u>			
7	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality.	No	150
<u>Taking out and removing glass and mirrors</u>			
8	Carefully remove cracked or broken glazing in panes exceeding 0,5m2 and not exceeding 2m2 in existing metal windows and doors including removal of steel beads and prepare windows and doors to receive new glazing (New glazing elsewhere measured)	m2	81
<u>Taking out Roofs, etc.</u>			
9	Carefully take out existing sheet metal roof covering,	m2	945
<u>PREPARATORY WORK TO EXISTING SURFACES</u>			
<u>Preparatory work to existing surfaces</u>			
10	Carefully hack out and remove cracked plaster to walls and prepare surface of wall to receive new plaster (New plaster elsewhere measured)	m2	2 238
<u>Clean down by hand with an approved cleaning agent and wash down</u>			
11	Existing facebrick walls	m2	645
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 1			
Alterations			

Item No		Quantity	Rate	Amount
	<u>SECTION NO.3</u>			
	<u>BILL NO. 2</u>			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 110 for CPAP formula purposes			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Cost of tests</u>			
	The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Principal Agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the Principal Agent. (Test cubes are measured separately)			
	<u>Formwork</u>			
	Description of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use			
	The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.			
	Formworks to soffits of solid etc shall be deemed to be slabs not exceeding 250mm thick unless otherwise described			
	Carried Forward		R	
	Section No. 3 Bill No. 2 Concrete, Formwork and Reinforcement			

Brought Forward			R
Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"			
<u>REINFORCED CONCRETE</u>			
<u>25MPa/19mm concrete</u>			
1	Ramps including thickenings (Provisional)	m3	2
<u>TEST BLOCKS</u>			
2	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	1
<u>CONCRETE SUNDRIES</u>			
<u>Finishing top surfaces of concrete smooth with a wood float</u>			
3	Ramps to falls (Provisional)	m2	15
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>			
<u>(CPAP FORMULA WORK GROUP NO. 111)</u>			
<u>Rough formwork to sides</u>			
4	Edges, risers, ends and reveals not exceeding 300mm high or wide (Provisional)	m	15
<u>REINFORCEMENT (PROVISIONAL)</u>			
<u>(CPAP FORMULA WORK GROUP NO. 114)</u>			
<u>Fabric reinforcement</u>			
5	Ref. S245 fabric reinforcement in concrete surface bed etc	m2	15
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 2			
Concrete, Formwork and Reinforcement			

Item No	Quantity	Rate	Amount
<u>SECTION NO.3</u>			
<u>BILL NO. 3</u>			
<u>ROOF COVERINGS ETC</u>			
NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 124 for CPAP formula purposes			
<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
<u>0,6mm IBR roof covering with "globalcoat" finish on one side in single lengths fixed to timber purlins and 0,6mm galvanised sheet steel accessories with "globalcoat" finish on one side</u>			
1	Roof covering with pitch not exceeding 12 degrees	m2	945
<u>ROOF AND WALL INSULATION</u>			
<u>Reflective foil insulation or equal approved 420 Heavy reinforced aluminium foil insulation double sided, heavy reflective foil laminate incorporating eight layers of aluminium reinforcing scrim, Kraft paper and polyethylene, tested with SABS 1381: Part IV-1985, with a Class 1 fire rating SABS 0177: part III - 1981 and BS 476 part 5, 6 and 7, truss/rafter with 38mm x 3,2mm x 1100mm hardboard positioned flush with the bottom edge of the material overlap exposed at the top for the next layer and 150mm on each 1250mm width roll. All to be fixed in accordance specification</u>			
2	Insulation laid taut over purlins (at approximately 450mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	945
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 3			
Roof Coverings			

Item No	Quantity	Rate	Amount
<p><u>SECTION NO.3</u></p> <p><u>BILL NO. 4</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p>NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No.126 for CPAP formula purposes</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Particle board:</u></p> <p>Particle board shall comply with the following specifications:</p> <p>a) SABS 1300 Particle board: exterior and flooring type</p> <p>b) SABS 1301 Particle board: interior type</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p><u>Decorative laminate finish:</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p> <p><u>EAVES , VERGES , ETC</u></p>			
<p>Carried Forward</p>			<p>R</p>
<p>Section No. 3 Bill No. 4 Carpentry and Joinery</p>			

Brought Forward			R
<u>"Everite" pressed nutec-cement</u>			
1	12 x 225mm Fascias and barge boards including galvanised steel H-profile jointing strips	m	258
<u>DOORS ETC</u>			
<u>Solid core hardwood panel door with commercial veneer to both sides of door and two hardwood edge strips, hung to steel or timber frames</u>			
2	Door 813 x 2 032mm high	No	15
<u>Skirtings</u>			
<u>Wrought meranti</u>			
3	19 x 76mm Skirting fixed to walls including 19mm quadrant bead planted on.	m	660
<u>PINNING BOARDS</u>			
<u>Carpet pinning boards in aluminium frame with round plastic corners, pen tray and fixing component all fixed according to manufacturer's instruction.</u>			
4	1000 x 12000mm Aluminium Felt Pin Boards	No	30
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 4			
Carpentry and Joinery			

Item No	Quantity	Rate	Amount
<u>SECTION NO.3</u>			
<u>BILL NO. 5</u>			
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 129 for CPAP formula purposes			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Descriptions:</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete			
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted" the bolts have been given elsewhere			
<u>CEILINGS ETC</u>			
<u>"Aerolite" insulation</u>			
1	75mm Insulation closely fitted and laid on top of brandering between roof timbers etc m2	840	
<u>NAILED UP CEILINGS</u>			
<u>6,4mm "Rhino" gypsum plasterboard with H-type pressed steel jointing strips</u>			
2	Ceilings including 38 x 38mm sawn softwood brandering at 400mm centres m2	840	
<u>"Rhino" gypsum plasterboard cornices</u>			
3	75mm Coved cornices m	660	
Carried Forward to Summary of Section No. 3			R
Section No. 3 Bill No. 5 Ceilings, Partitions and Access Flooring			

Item No	Quantity	Rate	Amount
<u>SECTION NO.3</u>			
<u>BILL NO. 6</u>			
<u>FLOOR COVERINGS, PLASTIC LININGS, ETC</u>			
<u>PREAMBLES</u>			
For preambles see "Specification of Material and Method to be used PW371"			
Note : All materials shall be in colours to be selected by the Representative / Agent and, where applicable, laid to approved patterns.			
<u>SUPPLEMENTARY PREAMBLES</u>			
Vinyl tiles, sheeting, wall linings, carpets, etc. are to be supplied and laid complete on a cement screed (screed elsewhere) under guarantee by an approved firm of Specialists.			
Prices for vinyl products are to include for cleaning off tiles on completion and apply three coats waterproof floor dressing in accordance with the Manufacturer's specification.			
<u>300 x 300 x 2.0mm "Marley Superflex" or similar to match existing semi-flexible vinyl tiles</u>			
1	New Vinyl sheeting to match existing where damaged sections of Vinyl floor sheetings had been removed and well bonded to existing	m2	840
<u>POLISH, SEALERS, ETC</u>			
2	Three coats wax polish on vinyl flooring	m2	840
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 6			
Floor Covering			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 7</u>			
	<u>IRONMONGERY</u>			
	NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 132 for CPAP formula purposes			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Finishes to ironmongery</u>			
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded NP Nickle plated			
	<u>HINGES, BOLTS, ETC.</u>			
1	Door hinges	No	30	
	<u>LOCKS</u>			
2	Three lever lockset	No	15	
	<u>HANDLES, ETC.</u>			
3	Door pull handle	No	15	
	<u>LETTERS, NAMEPLATES, ETC</u>			
4	Anodised aluminium plate with symbol	No	15	
	Carried Forward		R	
	Section No. 3 Bill No. 7 Ironmongery			

Brought Forward				R	
<u>SUNDRIES</u>					
5	Door stop plugged	No	15		
Carried Forward to Summary of Section No. 3				R	
Section No. 3					
Bill No. 7					
Ironmongery					

[illegible]

[illegible]

[illegible]

Item No	Quantity	Rate	Amount
<p><u>SECTION NO.3</u></p> <p><u>BILL NO. 11</u></p> <p><u>PLUMBING AND DRAINAGE</u> <u>(PROVISIONAL)</u></p> <p>NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 146 for CPAP formula purposes.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Galvanized sheet iron:</u></p> <p>Galvanised sheet iron shall be rolled steel coated on both sides with Class Z275, unless otherwise specified, zinc coating complying with SANS 3575/4998. Sheets shall be free from white rust.</p> <p><u>Galvanised sheet iron gutters:</u></p> <p>Galvanised sheet iron gutters shall have beaded edges and all joints shall be riveted and soldered. Angles shall be strengthened with 50x 0,6mm galvanised sheet iron strips soldered on over the internal faces of mitres.</p> <p>Gutters shall be fixed with falls to outlets on 30 x 3mm galvanised mild steel brackets, bent to the shape of gutters, with front ends taken up to the underside of beaded edge of gutter and each screwed to roof timbers or bolted to fibre-cement fascias with 6mm galvanised gutter bolts, one to each bracket.</p> <p>Brackets shall be positioned at joints and intermediately at nit exceeding 1,25mm centres.</p> <p><u>Galvanised sheet iron pipes:</u></p> <p>Galvanised sheet iron pipes shall have seams at the back and shall be jointed with soldered slip joints. Pipes shall be fixed to walls etc with galvanised mild steel holder bats spaced at not exceeding 2m centre with tails driven in or out and pinned in 1:3 cement mortar.</p> <p><u>(CPAP FORMULA WORK GROUP 148)</u></p>			
<p>Carried Forward</p>			<p>R</p>
<p>Section No. 3 Bill No. 11 Plumbing and Drainage (Provisional)</p>			

Brought Forward			R
<u>RAINWATER DISPOSAL</u>			
<u>GUTTERS, DOWNPIPES, ETC.</u>			
<u>0,6mm Galvanised sheet iron Class Z 275</u>			
1	125 x 150mm Rectangular section eaves gutter with 20mm wide overlapping joints sealed with and including compressible sealing strip and riveted at 20mm centres	m	210
2	Extra for stopped end	No	48
3	100mm Diameter rainwater downpipe with brackets fixed to brick wall or concrete	m	72
4	Extra for shoe	No	24
5	Extra for eaves offset	No	24
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 11			
Plumbing and Drainage (Provisional)			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 12</u>			
	<u>PAINTWORK</u>			
	NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 152 for CPAP formula purposes			
	<u>ON FLOATED PLASTER</u>			
	<u>One coat alkali resistant primer, one undercoat and two coats eggshell enamel paint</u>			
1	On internal walls	m2	2 754	
	<u>ON PLASTERBOARD</u>			
	<u>One coat primer and two coats interior quality PVA emulsion paint</u>			
2	On ceilings and cornices	m2	840	
3	Fascia Boards	m	258	
	<u>ON METAL</u>			
	<u>Prepare and apply one undercoat and two finishing coats of gloss paint on metalworks</u>			
4	On steel windows and door frames	m2	111	
5	On Roof coverings	m2	945	
	<u>ON WOOD</u>			
	<u>One coat primer and two coats premium quality polyurethane enamel paint</u>			
6	On doors	m2	60.00	
	Carried Forward to Summary of Section No. 3			
	Section No. 3			
	Bill No. 12			
	Paintwork			
			R	

SECTION SUMMARY - Renovations to existing		Page No	Amount	
Bill No				
1	Alterations	81		
2	Concrete, Formwork and Reinforcement	83		
3	Roof Coverings	84		
4	Carpentry and Joinery	86		
5	Ceilings, Partitions and Access Flooring	87		
6	Floor Covering	88		
7	Ironmongery	90		
8	Metalwork	91		
9	Plastering	92		
10	Glazing	93		
11	Plumbing and Drainage (Provisional)	95		
12	Paintwork	96		
Carried to Final Summary			R	
Section No. 3				

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u>			
	<u>BILL NO.1</u>			
	<u>PROVISIONAL SUMS</u>			
	<u>Community Liaison Officer</u>			
1	Provide an amount of R 80 000.00 (Eighty Thousand Rand) nett for Community Liason Officer's Salary to be omitted in part or whole as instructed by Principal Agent (R10 000 per month)	Item		80 000.00
2	Add for profit upon above, if required.		%	
3	Add for profit upon above, if required.		%	
	<u>Temporary Ablutions</u>			
4	Allow a budgetary amount of R220 000.00 (Two Hundred and Twenty Thousand Rand) for the provision and maintaining of temporary ablutions	Item		220 000.00
5	Add for profit upon above, if required.		%	
6	Add for profit upon above, if required.		%	
	<u>Sundry building work</u>			
7	Provide the sum of R 40 000.00 (Forty Thousand Rand) for demolitions and decommissioning of existing ablution blocks	Item		40 000.00
8	Add for profit upon above, if required.		%	
9	Add for profit upon above, if required.		%	
	Carried Forward		R	
	Section No. 4 Bill No. 1 Provisional Sum			

Brought Forward		R	
<u>Electrical Installation</u>			
10	Provide the sum of R 450 000 (Four Hundred and Fifty Thousand Rand) for Electrical Installations	Item	450 000.00
11	Add for profit upon above, if required.	%	
12	Add for profit upon above, if required.	%	
Carried to Final Summary		R	
Section No. 4			
Bill No. 1			
Provisional Sum			

[illegible]