

**SECTION NO. 1**  
**PRELIMINARIES**

	Unit	Quantity	Rate	Amount
<p><b><u>SECTION NO. 1</u></b>  <b><u>PRELIMINARIES</u></b>  <b><u>BILL NO. 1</u></b>  <b><u>PRELIMINARIES</u></b></p> <p><b><u>SECTION C: SPECIFIC PRELIMINARIES</u></b>  <b><u>BUILDING AGREEMENT AND PRELIMINARIES</u></b></p> <p>The JBCC Series 2000 Principal Building Agreement (Edition 4.1 Code 2101 March 2005) prepared by the Joint Building Contract Committee shall be the applicable building agreement, amended as hereinafter described</p> <p>The ASAQS Preliminaries (November 2007 edition) published by the Association of South African Quantity Surveyors for use with the said JBCC Principal Building Agreement shall be deemed to be incorporated in these bills of quantities</p> <p>Contractors are referred to the above mentioned documents for the full intent and meaning of each clause thereof</p> <p>No claim whatsoever shall be entertained in respect of errors or omissions in pricing due to brevity of descriptions of items which are fully described when read in conjunction with the relevant clauses of the said Principal Building Agreement, Preliminaries and Preambles.</p> <p>The Tenderers shall allow opposite each of the clauses whatever costs and charges he may consider necessary for the carrying out, complying with and due observance of the provisions, conditions and requirements set out herein. Only priced items will be considered in respect of any adjustment of this Section. Any item left unpriced will be understood to be provided free of charge and no claim for any extras arising out of the Tenderer's omission to price any item will be entertained.</p> <p>Where modifications or amendments as described are made, such modifications and/or amendments shall supercede any conflicting provisions in the relevant clauses of the Standard Preliminaries or the Principal Building Agreement and the Tenderer shall make due allowance for whatever costs and charges he may consider necessary for the carrying out and observance of the provisions of the clauses as modified and/or amended.</p> <p>Where any item is not relevant to this specific contract such item is marked N/A, signifying "not applicable"</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>			<b>R</b>	

	Unit	Quantity	Rate	Amount
<p><b><u>PRICING OF PRELIMINARIES</u></b></p>				
<p>Should Option A, as set out in clause B10.3.1 hereinafter be used for the adjustment of preliminaries then each item priced is to be allocated to one or more of the three categories Fixed, Value Related or Time Related and the respective amounts entered in the spaces provided under each item</p>				
<p>Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities.</p>				
<p><b><u>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</u></b></p>				
<p><b><u>A1.0 DEFINITIONS AND INTERPRETATION</u></b></p>				
<p>1 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</p>				
<p>PRACTICE' means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution. Clause 1.1 Definition of 'Fraudulent Practice' is added: 'FRAUDULENT PRACTICE' means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition. Clause 1.1 Definition of 'Interest' is amended by replacing it with the following: 'INTEREST' means the interest rates applicable on this contract, whether specifically indicated in the</p>				
<p style="text-align: right;">Carried to Collection</p>				
<p>Section No. 1 Bill No. 1 Preliminaries</p>			R	



	Unit	Quantity	Rate	Amount
<b><u>A7.0 COMPLIANCE WITH REGULATIONS</u></b>				
7	Item			
<p>Clause 7.0 Note: A separate clause has been included in Section C : Specific Preliminaries of the bills of quantities / lump sum document for the contractor to have the opportunity to price for all the requirements of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification.</p>				
<b><u>A8.0 WORKS RISK</u></b>				
8	Item			
<p>Clause 8.0</p>				
<b><u>A9.0 INDEMNITIES</u></b>				
9	Item			
<p>Clause 9</p>				
<b><u>A10.0 WORKS INSURANCES</u></b>				
10				
<p>Clause 10.0 Clause 10.0 is amended by the addition of the following clauses:</p> <p>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 materials 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</p> <p>10.6 Injury to Persons or loss of or damage to Properties (a) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding whether arising in</p>				
Carried to Collection			<b>R</b>	
<p>Section No. 1 Bill No. 1 Preliminaries</p>				

	Unit	Quantity	Rate	Amount
<p>common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the works unless due to any act or negligence of any person for whose actions the employer is legally liable (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</p> <p>or negligence of any person for whose actions the employer is legally liable (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 (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 (e) Where the execution of the works involves the risk of removal of or interference with support to adjoining properties including land or structures</p> <p>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 (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 10.7 High risk insurance In the event of the project being executed in a geological area classified as a 'High Risk Area', that is an area which is</p>				
<p>Section No. 1 Bill No. 1 Preliminaries</p>			<p>Carried to Collection</p>	<p>R</p>

	Unit	Quantity	Rate	Amount
<p>subject to highly unstable subsurface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:                      10.7.1 Damage to the works 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 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</p> <p>destruction of the works and to rebuild, restore, replace and/or repair the works, at the contractor's own costs                      10.7.2 Injury to persons or loss of or damage to property 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 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</p> <p>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 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 10.7.4 The employer shall be entitled to recover any</p>				
<p>Section No. 1 Bill No. 1 Preliminaries</p>	Carried to Collection		R	



	Unit	Quantity	Rate	Amount
<p>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> <p>14.4 Where security as a variable construction guarantee of ten per cent (10%) of the contract sum (excluding VAT) has been selected:</p> <p>14.4.1 The contractor shall</p>				
Carried to Collection				<b>R</b>
<p>Section No. 1 Bill No. 1 Preliminaries</p>				

	Unit	Quantity	Rate	Amount
<p>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 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 14.4.3 The employer shall return the variable construction guarantee to the contractor within fourteen (14) calendar days of it expiring 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 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: 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) 14.5.2 The fixed construction guarantee shall come into force on the date of issue and shall expire on the date of the last certificate of practical completion 14.5.3 The employer shall return the fixed construction guarantee to the contractor within fourteen (14) calendar days of it expiring 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 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 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: 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 14.6.2 Within twenty-one (21) calendar days of the date of practical</p>				
Carried to Collection				<b>R</b>
<p>Section No. 1 Bill No. 1 Preliminaries</p>				



	Unit	Quantity	Rate	Amount
<b><u>A17.0 CONTRACT INSTRUCTIONS</u></b>				
16	Item			
<b><u>A18.0 SETTING OUT OF THE WORKS</u></b>				
17	Item			
<b><u>A19.0 ASSIGNMENT</u></b>				
18	Item			
<b><u>A20.0 NOMINATED SUBCONTRACTORS</u></b>				
19	Item			
<b><u>A21.0 SELECTED SUBCONTRACTORS</u></b>				
20	Item			
<b><u>A22.0 EMPLOYER'S DIRECT CONTRACTORS</u></b>				
21	Item			
<b><u>A23.0 CONTRACTOR'S DOMESTIC SUBCONTRACTORS</u></b>				
22	Item			
<b><u>COMPLETION</u></b>				
<b><u>A24.0 PRACTICAL COMPLETION</u></b>				
23	Item			
<b><u>A25.0 WORKS COMPLETION</u></b>				
24	Item			
<b><u>A26.0 FINAL COMPLETION</u></b>				
25	Item			
<b><u>A27.0 LATENT DEFECTS LIABILITY PERIOD</u></b>				
26	Item			
<b><u>A28.0 SECTIONAL COMPLETION</u></b>				
27	Item			
<b><u>A29.0 REVISION OF DATE FOR PRACTICAL COMPLETION</u></b>				
28	Item			
Carried to Collection			<b>R</b>	
Section No. 1				
Bill No. 1				
Preliminaries				

	Unit	Quantity	Rate	Amount
<b><u>A30.0 PENALTY FOR NON-COMPLETION</u></b>				
29	Item			
Clause 30.0				
<b><u>PAYMENT</u></b>				
<b><u>A31.0 INTERIM PAYMENT TO THE CONTRACTOR</u></b>				
30				
<p>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 as a payment reduction in terms of 14.7 has been selected, the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments 31.8(B).1 Ninety per cent (90%) of such value in interim payment certificates issued up to the date of practical completion 31.8(B).2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion 31.8(B).3 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 34.6 31.8(B).4 One hundred per cent (100%) of such</p>				
			Carried to Collection	
Section No. 1				
Bill No. 1				
Preliminaries				
			R	









	Unit	Quantity	Rate	Amount
78 B7.4 Telecommunication facilities	Item			
79 B7.5 Ablution facilities	Item			
<b><u>B8.0 PRIME COST AMOUNTS</u></b>				
80 B8.1 Responsibility for prime cost amounts	Item			
<b><u>B9.0 ATTENDANCE ON N/S SUBCONTRACTORS</u></b>				
81 B9.1 General Attendance	Item			
82 B9.2 Special Attendance	Item			
83 B9.3 Commissioning - fuel, water and electricity	Item			
<b><u>B10.0 FINANCIAL ASPECTS</u></b>				
84 B10.1 Statutory taxes, duties and levies	Item			
85 B10.2 Payment of preliminaries	Item			
86 B10.3 Adjustment of preliminaries Clauses B10.3.1 and B10.3.2 are amended by replacing 'within fifteen (15) working days of taking possession of the site' with 'when submitting his priced bills of quantities / lump sum document'	Item			
87 B10.4 Payment certificate cash flow	Item			
<b><u>B11.0 GENERAL</u></b>				
88 B11.1 Protection of the works	Item			
89 B11.2 Protection/isolation of existing/sectionally occupied works	Item			
90 B11.3 Security of the works	Item			
91 B11.4 Notice before covering work	Item			
92 B11.5 Disturbance	Item			
93 B11.6 Environmental disturbance	Item			
94 B11.7 Works cleaning and clearing	Item			
95 B11.8 Vermin	Item			
96 B11.9 Overhand work	Item			
97 B11.10 Instruction manuals and guarantees	Item			
98 B11.11 As built information	Item			
99 B11.12 Tenant installations	Item			
Carried to Collection			<b>R</b>	
Section No. 1				
Bill No. 1				
Preliminaries				

	Unit	Quantity	Rate	Amount
<p><b><u>12.1 PRE-TENDER INFORMATION</u></b></p>				
<p>12.1.1 Provisional bills of quantities [2.2] The quantities are provisional (Yes/No). Yes</p>				
<p>12.1.2 Availability of construction documentation [2.3] Construction documentation is not complete (Yes/No). No</p>				
<p>12.1.3 Interests of agents [2.4] Details:</p>				
<p>12.1.4 Defined works area [3.1] Details:</p>				
<p>12.1.6 Existing premises occupied [3.4] Specific requirements: The premises will be vacated for the duration of the contract period.</p>				
<p>12.1.7 Previous work - dimensional accuracy [3.5] Details:</p>				
<p>12.1.8 Previous work - defects [3.6] Details:</p>				
<p>12.1.9 Services - known [3.7] Details:</p>				
<p>12.1.10 Protection of trees [3.9] Specific requirements: The contractor is to preserve all trees on site and is to request instruction from the principal agent where trees are constricting the work areas or progress of work.</p>				
<p>12.1.11 Inspection of adjoining properties [3.11] Specific requirements: The contractor is to ensure that no harm comes to adjoining buildings or property during the progress of the works.</p>				
<p>12.1.12 Enclosure of the works [6.2] Specific requirements: The contractor is to enclose the works in the manner necessary to prevent members of the public, the client's workers or any other persons from being hurt due to coming into areas where construction activities are under way.</p>				
<p>12.1.13 Offices [6.4.3] Specific requirements: The contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the principal agent, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chair, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times.</p>				
<p>12.1.14 Main notice board [6.5] Specific requirements: The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3m as type Drawing GEN 063, constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge.</p>				
<p>Carried to Collection</p>			<b>R</b>	
<p>Section No. 1 Bill No. 1 Preliminaries</p>				

	Unit	Quantity	Rate	Amount
<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 ivory white and the bead and 12mm wide dividing lines dark green. All wording shall be inscribed in dark green as per the coat of arms for SA. All wording shall be inscribed in dark green painted sans serif lettering</p>				
<p>12.1.15 Subcontractors' notice board [6.6] A Notice Board is required (Yes/No). No Specific requirements: Not Applicable</p>				
<p>12.1.16 Water [7.2] Option A - by Contractor Option A Applicable Option B - by employer (free of charge) Option C - by employer (metered)</p>				
<p>12.1.17 Electricity [7.3] Option A - by Contractor Option A Applicable Option B - by employer (free of charge) Option C - by employer (metered)</p>				
<p>12.1.18 Telecommunications [7.4] Telephone (Yes/No) Yes Facsimile (Yes/No) No</p>				
<p>12.1.19 Ablution facilities [7.5] Option A (by contractor) (Yes/No) Option A Applicable Option B (by employer) (Yes/No)</p>				
<p>12.1.20 Protection of existing/sectionally occupied works [11.2] Protection is required (Yes/No) Yes</p>				
<p>12.1.21 Special attendance [9.2] Subcontractor (1) details: Not applicable</p>				
<p>12.1.22 Protection of the works [11.1] Specific requirements: All precautions are to be taken to prevent damage or harm to the works. The client is to be indemnified against any and all eventualities. The existing buildings are to be insured against damage by the employer. However the contractor is to take all necessary precautions to prevent damage to existing buildings and property whilst he is in possession of the site.</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>Carried to Collection</p>			<b>R</b>	
<p>Section No. 1 Bill No. 1 Preliminaries</p>				





	Unit	Quantity	Rate	Amount
<b><u>C8 SECURITY CHECK OF PERSONNEL</u></b>				
107	Item			
<p>The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified. In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works.</p>				
<b><u>C9 PROHIBITION ON TAKING OF PHOTOGRAPHS</u></b>				
108	Item			
<p>In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister. The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959.</p>				
<b><u>C10 HIV/AIDS AWARENESS</u></b>				
<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 / lump sum document. 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. The contractor must take note that compliance with the HIV/AIDS Specification is compulsory.</p> <p>In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A 31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.</p>				
Carried to Collection			<b>R</b>	
<p>Section No. 1 Bill No. 1 Preliminaries</p>				



	Unit	Quantity	Rate	Amount
<p><b><u>C11 OCCUPATIONAL HEALTH AND SAFETY ACT</u></b></p>				
<p>114 The contractor shall comply with all the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993). It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document. The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory.</p> <p>In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment. Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.</p> <p>The Contractor is to price the health and safety bill of quantities located in the OHS Appendix A, the Contractor must sign the Certificate of Acquittance as evidence that he is au fait regarding the contents, obligations and demands of the Occupational Health and Safety Act No. 85 Of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health &amp; Safety specifications. Failure, by the Tenderer, to sign the Certificate of Acquaintance may result in the Tender being deemed non-responsive.</p>	Item			
<p>Section No. 1 Bill No. 1 Preliminaries</p>				<p style="text-align: right;">R</p>
<p>Carried to Collection</p>				

**BILL NO. 1**  
**PRELIMINARIES**  
**COLLECTION**

Page No

Amount

Brought Forward from Page

- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24

Carried to Next

**R**

Section No. 1  
Bill No. 1  
Preliminaries

Brought from Previous

**R**  
25

Amount

Carried To Section Summary

**R**

Section No. 1  
Bill No. 1  
Preliminaries

Bill No.	<b><u>SECTION NO. 1</u></b> <b><u>PRELIMINARIES</u></b> <b><u>SECTION SUMMARY</u></b>	Page	Amount
1	PRELIMINARIES	27	
	Carried to Final Summary		
	Section No. 1 SECTION SUMMARY		<b>R</b>

**SECTION NO. 2**  
**ALTERATIONS**



	Unit	Quantity	Rate	Amount
<b><u>REMOVAL OF EXISTING WORK</u></b>				
<b><u>Breaking up and removing reinforced concrete, including cutting off and removing reinforcement</u></b>				
2	100mm Thick slabs	m <sup>2</sup>	351	
<b><u>Breaking down and removing brickwork etc</u></b>				
3	Half brick walls in beamfilling	m <sup>2</sup>	310	
4	One brick walls	m <sup>2</sup>	43	
<b><u>Taking out and removing doors, windows, etc from brickwork</u></b>				
5	Timber single door and frame not exceeding 2,5m	No	44	
6	Timber double door and frame exceeding 2,5m and not exceeding 5m	No	4	
<b><u>Taking out and removing doors, windows, etc, including thresholds, sills, etc., setting aside for re-use and later refixing in similar new position</u></b>				
7	Glazed steel window not exceeding 2,5m <sup>2</sup> from half or one brick wall	No	193	
8	Glazed steel window exceeding 2,5m <sup>2</sup> and not exceeding 5,0m <sup>2</sup> from half or one brick wall	No	15	
<b><u>Taking down and removing asbestos roof coverings not exceeding 50 degrees complete with ridge and hip capping, fittings, flashing, etc, and dispose off site by an approved specialist</u></b>				
9	Asbestos roof sheeting and timber purlins	m <sup>2</sup>	2,347	
<b><u>Taking down and Removing Timber Roof Structure</u></b>				
10	Timber roof structure complete with total area 8m <sup>2</sup> (Measure on plan) including trusses, permanent bracing, gangboarding, purlins etc.	No	1	
11	Timber roof structure complete with total area 80m <sup>2</sup> (Measure on plan) including trusses, permanent bracing, gangboarding, purlins etc.	No	1	
12	Timber roof structure complete with total area 100m <sup>2</sup> (Measure on plan) including trusses, permanent bracing, gangboarding, purlins etc.	No	2	
13	Timber roof structure complete with total area 350m <sup>2</sup> (Measure on plan) including trusses, permanent bracing, gangboarding, purlins etc.	No	1	
Carried to Collection				
Section No. 2			<b>R</b>	
Bill No. 1				
Alterations				

	Unit	Quantity	Rate	Amount
14	Timber roof structure complete with total area 380m2 (Measure on plan) including trusses, permanent bracing, gangboarding, purlins etc.	No	1	
15	Timber roof structure complete with total area 560m2 (Measure on plan) including trusses, permanent bracing, gangboarding, purlins etc.	No	1	
<b><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u></b>				
16	Fibre cement or timber fascials	m	419	
17	Fibre cement or timber barge boards	m	182	
18	Gypsum plasterboard ceilings, including timber brandering, cornices, etc	m <sup>2</sup>	294	
<b><u>Removal of existing rainwater goods</u></b>				
19	Sheet metal eaves gutter and brackets	m	390	
20	Sheet metal rainwater pipe and holderbats	m	56	
<b><u>Taking out and removing sundry joinery work, fittings, etc</u></b>				
21	Pinning Board overall size not exceeding 2,5m2	No	18	
22	Green writing board not exceeding 6,0m2	No	18	
<b><u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</u></b>				
23	25mm Granolithic from floors	m <sup>2</sup>	176	
24	25 mm Screed from floors	m <sup>2</sup>	1,686	
25	Internal plaster from walls and columns	m <sup>2</sup>	20	
<b><u>OPENINGS THROUGH EXISTING WALLS ETC</u></b>				
<b><u>Breaking out for and forming openings through brick walls for new windows, including prestressed concrete lintels, making good cement plaster on both sides and into reveals and with sloping fibre-cement sills on outside and flat fibre-cement sills on inside (new windows and making good paintwork elsewhere)</u></b>				
26	Opening for window 1 x 1.20m high through one brick wall	No	72	
Carried to Collection			<b>R</b>	
Section No. 2				
Bill No. 1				
Alterations				

	Unit	Quantity	Rate	Amount
<b><u>Servicing of Existing metal work</u></b>				
<b><u>Service existing steel windows</u></b>				
27	No	193		
28	No	193		
29	No	193		
<b><u>TEMPORARY PARKHOMES</u></b>				
Rates for parkhomes to include standard windows, doors, burglar bars, gates, curtains and track, light fittings, chalk board and pinning boards				
<b><u>"M-Projects" or equal approved temporary parkhome units</u></b>				
<b><u>Provide temporary parkhomes on site for temporary educational facilities during the construction phase as herewith measured, including levelling, positioning on site and connections to an electrical supply including issuing compliance certificates</u></b>				
<b><u>Parkhomes are to be standard classroom size of minimum 7 x 7m or nearest size</u></b>				
30	No	22		
31	No	22		
32	No	22		
33	No	22		
<b><u>UNFORSEEN REMEDIAL WORK</u></b>				
34	Item			
Provide the sum of R 150 000.00(One Hundred and Fifty Thousand Rand)for unforeseen remedial work to existing structures to be used as directed by the Principal Agent and deducted in part or whole as required				
Carried to Collection			R	
Section No. 2				
Bill No. 1				
Alterations				

**BILL NO. 1**  
**ALTERATIONS**  
**COLLECTION**

Page No

Brought Forward from Page

30  
31  
32  
33

Amount

Carried To Section Summary

**R**

Section No. 2  
Bill No. 1  
Alterations

**SECTION NO. 2**  
**ALTERATIONS**  
**SECTION SUMMARY**

Bill No.

1 ALTERATIONS

Page

34

Amount

Carried to Final Summary

Section No. 2  
SECTION SUMMARY

R

**SECTION NO. 3**  
**BUILDING WORKS**

	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 3</u></b>				
<b><u>BUILDING WORKS</u></b>				
<b><u>BILL NO. 1</u></b>				
<b><u>EARTHWORKS</u></b>				
<b><u>EARTHWORKS (PROVISIONAL)</u></b>				
<b><u>Nature of ground</u></b>				
The nature of the ground is assumed to be loose sandy material, therefore earth, but possibly interspersed with soft rock or hard rock				
<b><u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u></b>				
<b><u>Excavation in earth not exceeding 2m deep</u></b>				
1	Reduced levels under floors	m <sup>3</sup>	211	
2	Trenches	m <sup>3</sup>	37	
<b><u>Extra over bulk excavations in earth for excavation in</u></b>				
3	Soft rock	m <sup>3</sup>	23	
4	Hard rock	m <sup>3</sup>	12	
<b><u>Extra over all excavations for carting away</u></b>				
5	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m <sup>3</sup>	211	
<b><u>Risk of collapse of excavations</u></b>				
6	Sides of trench and hole excavations not exceeding 1,5m deep	m <sup>2</sup>	421	
<b><u>Keeping excavations free of water</u></b>				
7	Keeping excavations free of all water other than subterranean water	Item		
<b><u>FILLING, ETC</u></b>				
<b><u>Filling of natural gravel material (G5) supplied by the contractor, compacted to 98% Mod AASHTO density</u></b>				
8	Under floors, steps, pavings, etc	m <sup>3</sup>	149	
<b><u>Filling of coarse river sand supplied by the contractor, consolidated</u></b>				
9	Under floors etc	m <sup>3</sup>	18	
<b><u>Filling of hardcore, consolidated</u></b>				
10	Under floors etc	m <sup>3</sup>	26	
Carried to Collection			<b>R</b>	
Section No. 3				
Bill No. 1				
Earthworks				

	Unit	Quantity	Rate	Amount
<b><u>Compaction of ground surfaces</u></b>				
11				
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				
	m <sup>2</sup>	176		
<b><u>WEED KILLERS, INSECTICIDES, ETC</u></b>				
<b><u>Soil insecticide in accordance with SANS 5859</u></b>				
12				
Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming				
	m <sup>2</sup>	596		
<b><u>TESTS</u></b>				
<b><u>Prescribed tests to determine degree of compaction or other properties of ground or filling</u></b>				
13				
Modified AASHTO Density test				
	No	7		
Carried to Collection				
Section No. 3				
Bill No. 1				
Earthworks				
			<b>R</b>	

**BILL NO. 1**  
**EARTHWORKS**  
**COLLECTION**

Page No

Brought Forward from Page

37

38

Amount

Carried To Section Summary

**R**

Section No. 3  
Bill No. 1  
Earthworks

	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 3</u></b>				
<b><u>BUILDING WORKS</u></b>				
<b><u>BILL NO. 2</u></b>				
<b><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></b>				
<b><u>UNREINFORCED CONCRETE CAST ON/IN FORMWORK</u></b>				
<b><u>15Mpa/19mm concrete</u></b>				
1	m <sup>3</sup>	6		
<b><u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u></b>				
<b><u>25MPa/19mm concrete</u></b>				
2	m <sup>3</sup>	31		
3	m <sup>3</sup>	18		
<b><u>TEST CUBES</u></b>				
<b><u>Test Cubes</u></b>				
4	Item			
<b><u>CONCRETE SUNDRIES</u></b>				
<b><u>Finishing top surfaces of concrete smooth with a wood float</u></b>				
5	m <sup>2</sup>	176		
<b><u>ROUGH FORMWORK (DEGREE OF ACCURACY II) (CPAP WORK GROUP NO. 111)</u></b>				
<b><u>Rough formwork to sides</u></b>				
6	m	190		
<b><u>MOVEMENT JOINTS ETC</u></b>				
<b><u>Expansion joints with bitumen impregnated softboard between vertical concrete surfaces</u></b>				
7	m	176		
<b><u>Saw-cut joints</u></b>				
8	m	411		
<b><u>REINFORCEMENT (CPAP WORK GROUP NO. 114)</u></b>				
<b><u>Fabric reinforcement</u></b>				
9	m <sup>2</sup>	176		
Carried To Section Summary			<b>R</b>	
Section No. 3				
Bill No. 2				
Concrete, Formwork And Reinforcement				

	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 3</u></b>				
<b><u>BUILDING WORKS</u></b>				
<b><u>BILL NO. 3</u></b>				
<b><u>MASONRY</u></b>				
<b><u>BRICKWORK IN FOUNDATIONS (PROVISIONAL)</u></b>				
<b><u>Brickwork of NFX bricks in class II mortar</u></b>				
1	m <sup>2</sup>	208		
<b><u>SUPERSTRUCTURE</u></b>				
<b><u>Brickwork of NFP bricks in class II mortar</u></b>				
2	m <sup>2</sup>	310		
3	m <sup>2</sup>	19		
<b><u>BRICKWORK SUNDRIES</u></b>				
<b><u>Brickwork reinforcement</u></b>				
4	m	621		
5	m	2,675		
<b><u>FACE BRICKWORK</u></b>				
<b><u>Face brickwork to be 'Corobrik' Firelight Satin FBX of 20-30MPA nominal compressive strength in Class II mortar with recessed horizontal and vertical joints</u></b>				
6	m <sup>2</sup>	19		
<b><u>Brick-on-edge header course copings, sills, etc of face bricks, pointed with recessed joints on all exposed faces</u></b>				
7	m	215		
Carried To Section Summary				<b>R</b>
Section No. 3				
Bill No. 3				
Masonry				



	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 3</u></b>				
<b><u>BUILDING WORKS</u></b>				
<b><u>BILL NO. 5</u></b>				
<b><u>ROOF COVERINGS</u></b>				
<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>				
<b><u>0,53mm 'Brownbuilt' Z275 spelter galvanised ribbed steel with 'Chromadek' finished to one side, in single length fixed to timber or steel purlins and 0,53mm galvanised sheet steel accessories</u></b>				
1	m <sup>2</sup>	2,347		
2	m	213		
3	m	425		
<b><u>"sondor"</u></b>				
4	m	213		
<b><u>ROOF AND WALL INSULATION</u></b>				
<b><u>Multi-layered reinforced double-sided aluminium foil sheeting in accordance with SANS 1381-4 with a mass of not less than 293g/m<sup>2</sup> and a Class I fire rating in accordance with SANS 0177-3</u></b>				
5	m <sup>2</sup>	1,956		
Carried To Section Summary				
Section No. 3				
Bill No. 5				
Roof Coverings				
			<b>R</b>	

	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 3</u></b>				
<b><u>BUILDING WORKS</u></b>				
<b><u>BILL NO. 6</u></b>				
<b><u>CARPENTRY AND JOINERY</u></b>				
<b><u>STRUCTURAL TIMBERWORK ETC</u></b>				
<b><u>PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC</u></b>				
<b><u>Sawn softwood grade 4</u></b>				
1	m	414		
2	m	430		
3	m	720		
4	m	2,575		
5	m	414		
6	m	414		
<b><u>Roof Trusses</u></b>				
7	No	1		
8	No	1		
9	No	2		
10	No	1		
Carried to Collection			<b>R</b>	
Section No. 3				
Bill No. 6				
Carpentry And Joinery				

		Unit	Quantity	Rate	Amount
11	Roof construction to double pitched roof with gable ends with total area 380m <sup>2</sup> (Measure on plan) with 600mm wide over hang on the eaves side and 400mm overhang on the gable side, all in accordance to the Architectural specifications, including trusses.	No	3		
12	Roof construction to double pitched roof with gable ends with total area 560m <sup>2</sup> (Measure on plan) with 600mm wide over hang on the eaves side and 400mm overhang on the gable side, all in accordance to the Architectural specifications, including trusses.	No	1		
<b><u>Sundries</u></b>					
13	Wrought faces on sawn timbers	m <sup>2</sup>	248		
14	Two coats creosote on sawn timbers	m <sup>2</sup>	248		
15	'Teco' two way hurricane clips	No	3,182		
16	4mm diameter Galvanised hoop iron roof tie 2m girth, bent double with one end fixed to the timber and other end built into brickwork	No	810		
<b><u>EAVES, VERGES, ETC</u></b>					
<b><u>'Everite FC77' pressed fibre-Cement</u></b>					
17	10 x 225mm Fascias, including galvanised steel H-profile joiners fixed to timber	m	414		
18	10 x 80 x 260mm L-shaped barge boards including galvanised steel H-profile jointing strips	m	188		
<b><u>DOORS ETC</u></b>					
<b><u>'Meranti' doors formed 40 x 110mm stiles and top rail, 20 x 150mm ledge and 20 x 110mm braces and 20 x 225mm bottom ledge, filled in flush on outer face with 20 x 75mm V-jointed vertical boarding, top rail and door hung to steel door frame</u></b>					
19	40mm thick framed, ledged and braced batten door 813 x 2032mm high and with 38 x 76mm (Extreme) once rebated, once chamfered and once hollow grooved weatherboard frame into bottom ledge, bedded in white lead, screwed and pelleted.	No	44		
20	Timber double door and frame exceeding 2,5m <sup>2</sup> and not exceeding 5m <sup>2</sup>	No	4		
Carried to Collection				<b>R</b>	
Section No. 3					
Bill No. 6					
Carpentry And Joinery					

**BILL NO. 6**  
**CARPENTRY AND JOINERY**  
**COLLECTION**

Page No

Brought Forward from Page

44

45

Amount

Carried To Section Summary

**R**

Section No. 3  
Bill No. 6  
Carpentry And Joinery



	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 3</u></b>				
<b><u>BUILDING WORKS</u></b>				
<b><u>BILL NO. 8</u></b>				
<b><u>IRONMONGERY</u></b>				
<b><u>HINGES, BOLTS, ETC</u></b>				
<b><u>'Solid' or similar approved</u></b>				
1	No	156		
100mm Brass hinge with nylon washers				
<b><u>LOCKS</u></b>				
<b><u>Manufactured by 'Solid'</u></b>				
<b><u>The following locks are to be suitable for Master key operation</u></b>				
2	No	48		
"Reference 390/313" Four lever lockset with striking plate fixed to metal frame				
3	No	1		
Master key				
<b><u>HANDLES</u></b>				
<b><u>Manufactured by 'Union'</u></b>				
4	No	56		
'SS5515-150BTSS' pull handle				
<b><u>SUNDRIES</u></b>				
<b><u>Manufactured by 'Solid'</u></b>				
5	No	52		
Ref '87001SS door stop , plugged				
6	No	48		
"solid Art 250" Coat hook				
<b><u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</u></b>				
<b><u>Manufactured by 'Flortime'</u></b>				
7	No	20		
Pinning board 1200 x 900mm high overall of 9mm pinning board glued to 12mm chipboard backboard plugged and screwed and framed with 30 x 60mm wrought meranti varnished frame (Provisional)				
8	No	18		
'Vitrex' green writing board 4800 x 1140mm high with chalk rail plugged				
Carried To Section Summary				
Section No. 3				
Bill No. 8				
Ironmongery				
			<b>R</b>	

	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 3</u></b>				
<b><u>BUILDING WORKS</u></b>				
<b><u>BILL NO. 9</u></b>				
<b><u>METALWORK</u></b>				
<b><u>STEEL GATES, SCREENS, ETC</u></b>				
<b><u>Welded screens and gates to ?</u></b>				
1	No	2		
Double gate 1640 x 2050mm high of 60 x 40 x 2,5mm hollow section frame filled in with 40 x 20 x 2,5mm hollow section verticals at 120mm centres, fitted with narrow stile lock box and backing plate and two 100mm heavy duty butt hinges welded on				
<b><u>PRESSED STEEL DOOR FRAMES</u></b>				
<b><u>1,6mm Rebated frames suitable for one brick walls</u></b>				
2	No	44		
Frame for door 813 x 2032mm high				
3	No	4		
Frame for door 1600 x 2032mm high				
<b><u>HOT DIPPED GALVANIZED STEEL WINDOWS, DOORS, ETC</u></b>				
<b><u>Standard industrial windows with hot dipped galvanized steel flat bars 20 x 5mm thick to opening sections including all necessary ironmongery, factory fitted:</u></b>				
4	No	16		
Window type SS33, 587 x 687mm high (W2)				
5	No	78		
Window type SS33, 587 x 987mm high (W2)				
6	No	1		
Window type SS33, 987 x 987mm high (W1)				
7	No	109		
Window type SS33, 987 x 1445mm high (W2)				
8	No	2		
Window type SS33, 987 x 2387mm high (W3)				
Carried To Section Summary				
Section No. 3				
Bill No. 9				
Metalwork				
			<b>R</b>	

	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 3</u></b>				
<b><u>BUILDING WORKS</u></b>				
<b><u>BILL NO. 10</u></b>				
<b><u>PLASTERING</u></b>				
<b><u>SCREEDS</u></b>				
<b><u>Screeds wood floated, on concrete</u></b>				
1	m <sup>2</sup>	1,686		
2	m <sup>2</sup>	26		
<b><u>GRONOLITHIC</u></b>				
<b><u>Untinted granolithic, on concrete</u></b>				
3	m <sup>2</sup>	26		
<b><u>INTERNAL PLASTER</u></b>				
<b><u>Cement plaster steel trowelled, on brickwork</u></b>				
4	m <sup>2</sup>	101		
5	m <sup>2</sup>	26		
<b><u>EXTERNAL PLASTER</u></b>				
<b><u>Cement plaster wood floated for tiles, on brickwork</u></b>				
6	m <sup>2</sup>	101		
7	m <sup>2</sup>	26		
Carried To Section Summary			<b>R</b>	
Section No. 3				
Bill No. 10				
Plastering				

	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 3</u></b>				
<b><u>BUILDING WORKS</u></b>				
<b><u>BILL NO. 11</u></b>				
<b><u>PLUMBING AND DRAINAGE</u></b>				
<b><u>RAINWATER DISPOSAL</u></b>				
<b><u>0.6mm seamless aluminium prepainted gutters and rainwater pipes</u></b>				
1				
150 x 100mm Roof gutters including 32 x 3.25mm aluminium brackets at 1m centres	m	58		
2				
100 x 75mm Rainwater pipes	m	116		
3				
Extra over gutter for stopped end	No	38		
4				
Extra over gutter for outlet for 100 x 75mm pipe including wire grating	No	33		
5				
Extra over rainwater pipe for bend	No	66		
6				
Extra over rainwater pipe for shoe	No	33		
7				
Valley gutter	m	25		
Carried To Section Summary				<b>R</b>
Section No. 3				
Bill No. 11				
Plumbing And Drainage				

	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 3</u></b>				
<b><u>BUILDING WORKS</u></b>				
<b><u>BILL NO. 12</u></b>				
<b><u>GLAZING</u></b>				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<b><u>Float glass</u></b>				
The term float glass is used for monolithic annealed glass				
<b><u>Laminated glass</u></b>				
Laminated glass to have polyvinyl butyral (PVB) interlayer(s)				
<b><u>GLAZING TO STEEL WITH PUTTY</u></b>				
<b><u>4mm Clear float glass</u></b>				
1		Panes exceeding 0,1m and not exceeding 0,5m	m <sup>2</sup>	7
2		Panes exceeding 0,5m and not exceeding 1m	m <sup>2</sup>	47
3		Panes exceeding 1m and not exceeding 1,5mm	m <sup>2</sup>	156
4		Panes exceeding 2m and not exceeding 2,5m	m <sup>2</sup>	5
Carried To Section Summary				
Section No. 3				
Bill No. 12				
Glazing				
			<b>R</b>	

	Unit	Quantity	Rate	Amount
<b><u>SECTION NO. 3</u></b>				
<b><u>BUILDING WORKS</u></b>				
<b><u>BILL NO. 13</u></b>				
<b><u>PAINTWORK</u></b>				
<b><u>SUPPLEMENTARY PREAMBLES</u></b>				
<b><u>PREPARATORY WORK TO EXISTING WORK</u></b>				
Previously painted plastered surfaces				
Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth				
Previously painted metal surfaces				
Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal				
Previously painted wood surfaces				
Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth				
Paint Specifications All painting shall be done in accordance with specifications unless otherwise described				
<b><u>ON NEW PLASTERBOARD SURFACES</u></b>				
<b><u>One coat alkali resistant primer and two coats PVA emulsion paint for interior use</u></b>				
1	m <sup>2</sup>	1,956		
<b><u>ON NEW FIBRE-CEMENT BOARD SURFACES</u></b>				
<b><u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use</u></b>				
2	m <sup>2</sup>	256		
<b><u>ON NEW WOOD SURFACES</u></b>				
<b><u>One coat primer, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint</u></b>				
3	m <sup>2</sup>	171		
Carried to Collection			<b>R</b>	
Section No. 3				
Bill No. 13				
Paintwork				

	Unit	Quantity	Rate	Amount
<b><u>ON EXISTING INTERNAL FLOATED PLASTER SURFACES</u></b>				
<b><u>Two coats premium quality polyurethane enamel paint</u></b>				
4	Internal Walls	m <sup>2</sup>	3,130	
5	External Walls	m <sup>2</sup>	1,711	
<b><u>ON EXISTING METAL SURFACES</u></b>				
<b><u>One coat alkyd based universal undercoat and one coat superior quality universal enamel paint</u></b>				
6	Windows with burglar bars	m <sup>2</sup>	429	
Carried to Collection				
Section No. 3				
Bill No. 13				
Paintwork				
			<b>R</b>	

**BILL NO. 13**  
**PAINTWORK**  
**COLLECTION**

Page No

Brought Forward from Page

53

54

Amount

Carried To Section Summary

**R**

Section No. 3  
Bill No. 13  
Paintwork

**SECTION NO. 3**

**BUILDING WORKS**

**SECTION SUMMARY**

Bill No.

Bill No.		Page
1	EARTHWORKS	39
2	CONCRETE, FORMWORK AND REINFORCEMENT	40
3	MASONRY	41
4	WATERPROOFING	42
5	ROOF COVERINGS	43
6	CARPENTRY AND JOINERY	46
7	CEILINGS PARTITIONS AND ACCESS FLOORING	47
8	IRONMONGERY	48
9	METALWORK	49
10	PLASTERING	50
11	PLUMBING AND DRAINAGE	51
12	GLAZING	52
13	PAINTWORK	55

Amount

Carried to Final Summary

**R**

Section No. 3  
SECTION SUMMARY

**SECTION NO. 4**  
**EXTERNAL WORKS**



	Unit	Quantity	Rate	Amount
<b><u>WEED KILLERS, INSECTICIDES, ETC</u></b>				
<b><u>Soil insecticide in accordance with SANS 5859</u></b>				
11				
11				
	m <sup>2</sup>	33		
12				
	m <sup>2</sup>	316		
<b><u>TESTS</u></b>				
<b><u>Prescribed tests to determine degree of compaction or other properties of ground or filling</u></b>				
13				
	No	13		
<b><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></b>				
<b><u>Reinforced concrete</u></b>				
<b><u>25MPa/19mm concrete</u></b>				
14				
	m <sup>3</sup>	3		
<b><u>Reinforced concrete cast against excavated surfaces</u></b>				
<b><u>25MPa/19mm concrete</u></b>				
15				
	m <sup>3</sup>	8		
<b><u>TEST CUBES</u></b>				
<b><u>Test Cubes</u></b>				
16				
	Item			
<b><u>CONCRETE SUNDRIES</u></b>				
<b><u>Finishing top surfaces of concrete smooth with a wood float</u></b>				
17				
	m <sup>2</sup>	33		
<b><u>SMOOTH FORMWORK (DEGREE OF ACURACY II)</u></b>				
<b><u>Class F2 smooth finish formwork to sides</u></b>				
18				
	m	83		
<b><u>Reinforcement (Provisional)</u></b>				
<b><u>High tensile steel reinforcement in concrete surface beds, slabs, etc</u></b>				
19				
	Tonnes	1.30		
Carried to Collection			<b>R</b>	
Section No. 4				
Bill No. 1				
External Works				



		Unit	Quantity	Rate	Amount
29	Outlet union for 22mm copper pipe including hole through tank	No	13		
<b><u>CONCRETE STORMWATER CHANNELS ETC</u></b>					
<b><u>Reinforced concrete 25MPA in-situ stormwater channels rendered smooth all round, including excavation, formwork, and carting away surplus materials etc</u></b>					
30	V-Shaped surfave channel 1100 x 300mm high extreme cast in lenghts to falls not exceeding 2m long with and including type 193 fabric reinforcement, 10mm softboard joint material between panels and abutting walls, raked out to a depth of 20mm and sealed with grey polysulphide sealant	m	571		
31	Extra over for angles, intersections, ends, etc	No	38		
<b><u>SECURITY FENCING</u></b>					
<b><u>SITE DEMOLITION WORKS</u></b>					
32	Take down and remove existing security fencing consisting of weldmesh and steel poles 2.4m high and leveling ground and cart away from site	m	417		
<b><u>Site Clearance</u></b>					
33	Allow for clearing site for the width of 1 000 mm where fencing runs are to be erected including removing trees, shrubs etc. not ex levelling. ceeding 200 mm girth, grubbing up roots	m	417		
34	Excavate in earth and fill adjacent portion to make up levels under fence line	m	111		
<b><u>FENCING</u></b>					
<b><u>Galvanised mild steel security fencing</u></b>					
35	Security fencing 2.2m high formed including four 4mm galvanised straining wires secured to ost; the vertical height covered with 50 x 50 x 2,5mm galvanised class A Weldmesh fencing 2000mm high fixed to straining wires with 'Hogring' clips applied at 500mm centres and the top covered with a single row of 500mm flatwrap razor wire attached to and including two strands of barbed wire and weldmesh with 'Hogrig' clips at 400mm centres, and at each overlap of the flatwrap with the adjacent flatwrap	m	417		
36	60mm diameter x 3mm wall thickness galvanised intermediate posts 2700mm long , holed six times, fitted on top with pressed steel caps, 150 x 150 x 5mm thick				
Carried to Collection				R	
Section No. 4					
Bill No. 1					
External Works					

	Unit	Quantity	Rate	Amount
37	m	85		
38	m	85		
38	m	11		
<b><u>WELDED SCREENS, GATES, ETC</u></b>				
<b><u>Hot dipped galvanised after manufacturing steel gates and screens</u></b>				
39	No	1		
40	No	1		
Carried to Collection			<b>R</b>	
Section No. 4				
Bill No. 1				
External Works				



**BILL NO. 1**  
**EXTERNAL WORKS**  
**COLLECTION**

Page No

Brought Forward from Page

58

59

60

61

62

63

Amount

Carried To Section Summary

**R**

Section No. 4  
Bill No. 1  
External Works

**SECTION NO. 4**  
**EXTERNAL WORKS**  
**SECTION SUMMARY**

Bill No.

1

EXTERNAL WORKS

Page

64

Amount

Carried to Final Summary

Section No. 4  
SECTION SUMMARY

R

**SECTION NO. 5**  
**PROVISIONAL SUM**

**SECTION NO. 5**  
**PROVISIONAL SUM**

**PROVISIONAL SUMS**

**General**

Work for which budgetary allowances are provided will be measured and valued in accordance with the relevant

building agreement? building contract? and deducted in whole or in part if not required without any compensation for loss of profit on the said allowances

**Profit**

Where stated, the contractor may allow for profit if required

**General attendance on nominated/selected subcontractors**

The item 'attendance' which follows each provisional sum for nominated/ selected subcontractors' work, shall be deemed to cover all the contractor's costs incurred in providing free of charge to the nominated/ selected subcontractors the contractor's duties as described in clause 12.2 of the JBCC N/S Subcontract Agreement

**Special attendance on nominated/selected subcontractors**

Where 'special attendance' such as unloading, storing, placing in position, providing special power supplies, specific hoisting, craneage and scaffolding requirements, provision of temporary casing and/or other specific protection of the works, special security and clearing away rubbish is required, a separate item describing the specific requirements in detail is to be provided for the pricing of such requirements

**Builder's work**

Builder's work in connection with specialist services is given elsewhere in these bills of quantities

**ELECTRICAL, ELECTRONIC AND MECHANICAL INSTALLATIONS**

**General electrical installation**

1 Provide the sum of R300, 000.00 (Three Hundred Thousand Rand ) for general electrical installation

Item 300,000 00

2 Profit

Item

3 Attendance

Item

**LIGHTNING PROTECTION**

4 Provide the sum of R100, 000.00 (Hundred Thousand Rand) for lightning protection complete

Item 100,000 00

5 Profit

Item

Carried To Section Summary

R

Section No. 5  
Bill No. 1  
Provisional Sums

		Amount
6	Attendance	Item
	<b><u>PLUMBING AND DRAINAGE</u></b>	
7	Provide the sum of R150,000.00 (One Hundred and Fifty Thousand Rand) for complete plumbing and drainage maintenance works	Item 150,000 00
8	Profit	Item
9	Attendance	Item
	<b><u>COMMUNITY LIAISON OFFICER</u></b>	
10	Provide the sum of R100,000.00 ( One Hundred Thousand Rand) for Community Liaison officer	Item 100,000 00
11	Profit	Item
12	Attendance	Item
Carried To Section Summary		R
Section No. 5		
Bill No. 1		
Provisional Sums		

**SECTION NO. 5**  
**PROVISIONAL SUM**  
**SECTION SUMMARY**

	Page	Amount
Brought forward from page	67	
Brought forward from page	68	

Carried to Final Summary

**R**

Section No. 5  
SECTION SUMMARY

Section **FINAL SUMMARY**  
No.

Page

1	PRELIMINARIES	28
2	ALTERATIONS	35
3	BUILDING WORKS	56
4	EXTERNAL WORKS	65
5	PROVISIONAL SUM	69

ADD: CONTINGENCIES (5%)

Allow contingencies to be used upon approval by the Client in terms of Clause 17 of the JBCC Principal Building Agreement.

SubTotal excluding Value Added Tax

ADD VAT @ 15%:

Carried to Tender

**R**

FINAL SUMMARY