

Item No		Quantity	Rate	Amount
	<p><u>SECTION 1</u> <u>BILL NO. 1</u> <u>PRELIMINARIES</u> <u>MEANING OF TERMS "TENDER / TENDERER"</u></p> <p><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></p> <p><u>PRELIMINARIES</u></p> <p><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></p> <p><u>PRICING OF PRELIMINARIES</u></p> <p><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</u></p> <p><u>Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities</u></p> <p><u>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</u></p> <p><u>DEFINITIONS</u></p>			
1	<p>No clause Fixed: _____ Value related: _____ Time related: _____</p>	Item		
	<p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Bill No. 1 PRILIMINARIES</p>		R	

	Brought Forward	R
	<p><u>OBJECTIVE AND PREPARATION</u></p> <p><u>A2.0 OFFER, ACCEPTANCE AND PERFORMANCE</u></p> <p><u>Clause 2.0</u></p> <p>Fixed:_____ Value related:_____ Time related:_____</p> <p><u>A3.0 DOCUMENTS</u></p> <p><u>Clause 3.0</u></p> <p><u>Clause 3.2.1 is amended by replacing "14.1" with "14.0"</u></p> <p><u>Clause 3.7 is amended by the addition of the following:</u></p> <p><u>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</u></p> <p><u>Carried Forward</u></p> <p><u>Section No. 1</u></p> <p><u>SECTION 1 - PRELIMINARY AND GENERAL</u></p> <p><u>Bill No. 1</u></p> <p><u>Preliminaries</u></p> <p><u>Brought Forward</u></p> <p><u>Clause 3.10 is amended by replacing the second reference to "principal agent" with the word "employer"</u></p> <p><u>No clause</u></p>	Item
3	<p>Fixed:_____ Value related:_____ Time related:_____</p> <p><u>A4.0 DESIGN RESPONSIBILITY</u></p> <p><u>Clause 4.0</u></p> <p><u>Clause 4.3 is amended by replacing it with the following:</u></p>	Item
	Carried Forward	R
	<p>Section No. 1</p> <p>Bill No. 1</p> <p>PRILIMINARIES</p>	

Brought Forward			R	
	<u>No clause</u>			
4	No clause Fixed:_____ Value related:_____ Time related:_____	Item		
	<u>A5.0 EMPLOYER'S AGENTS</u>			
	<u>Clause 5.0</u>			
	<u>Clause 5.1.2 is amended to include clauses 32.6.3, 34.3, 34.4 and 38.5.8</u>			
5	Fixed:_____ Value related:_____ Time related:_____	Item		
	<u>A6.0 SITE REPRESENTATIVE</u>			
	<u>Clause 6.0</u>			
6	Fixed:_____ Value related:_____ Time related:_____	Item		
	<u>A7.0 COMPLIANCE WITH REGULATIONS</u>			
	<u>Clause 7.0</u>			
	<u>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</u>			
7	Fixed:_____ Value related:_____ Time related:_____	Item		
	<u>A8.0 WORKS RISK</u>			
	<u>Clause 8.0</u>			
8	Fixed:_____ Value related:_____ Time related:_____	Item		
	<u>A9.0 INDEMNITIES</u>			
Carried Forward			R	
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	Brought Forward		R	
	<u>Clause 9.0</u>			
9	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>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</u>			
10	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>A11.0 LIABILITY INSURANCES</u>			
	<u>Clause 11.0</u>			
11	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>A12.0 EFFECTING INSURANCES</u>			
	<u>Clause 12.0</u>			
12	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>A13.0 No clause</u>			
	<u>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</u>			
13	Fixed: _____ Value related: _____ Time related: _____	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 PRILIMINARIES			

Brought Forward			R
<u>EXECUTION</u>			
<u>Give the contractor possession of the site within ten (10) working days of the contractor complying with the terms of 15.1.4</u>			
14	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A16.0 ACCESS TO THE WORKS</u>			
<u>Clause 16.0</u>			
15	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A17.0 CONTRACT INSTRUCTIONS</u>			
<u>Clause 17.0</u>			
<u>Clause 17.1.11 is amended by deleting the words "and the appointment of nominated and selected subcontractors"</u>			
16	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A18.0 SETTING OUT OF THE WORKS</u>			
<u>Clause 18.0</u>			
17	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A19.0 ASSIGNMENT</u>			
<u>Clause 19.0</u>			
18	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A20.0 NOMINATED SUBCONTRACTORS</u>			
<u>Clause 20.0</u>			
Carried Forward			R
Section No. 1 Bill No. 1 PRILIMINARIES			

Brought Forward			R
	<p><u>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</u></p>		
19	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>A21.0 SELECTED SUBCONTRACTORS</u></p> <p><u>Clause 21.0</u></p> <p><u>Clause 21 is amended by replacing it with:</u></p> <p><u>No clause</u></p>	Item	
20	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>A22.0 EMPLOYER'S DIRECT CONTRACTORS</u></p> <p><u>Clause 22.0</u></p>	Item	
21	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>A23.0 CONTRACTOR'S DOMESTIC SUBCONTRACTORS</u></p> <p><u>Clause 23.0</u></p>	Item	
22	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>COMPLETION</u></p> <p><u>A24.0 PRACTICAL COMPLETION</u></p> <p><u>Clause 24.0</u></p>	Item	
23	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>A25.0 WORKS COMPLETION</u></p>	Item	
Carried Forward			R
<p>Section No. 1 Bill No. 1 PRILIMINARIES</p>			

	Brought Forward		R	
	<u>Clause 25.0</u>			
24	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>A26.0 FINAL COMPLETION</u>			
	<u>Clause 26.0</u>			
	<u>Clause 26.1.2 is amended by inserting "#" next to 26.1.2</u>			
25	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>A27.0 LATENT DEFECTS LIABILITY PERIOD</u>			
	<u>Clause 27.0</u>			
26	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>A28.0 SECTIONAL COMPLETION</u>			
	<u>Clause 28.0</u>			
27	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>A29.0 REVISION OF DATE FOR PRACTICAL COMPLETION</u>			
	<u>Clause 29.0</u>			
	<u>Clause 29.2.5 is amended by replacing it with:</u>			
	<u>No clause</u>			
28	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>A30.0 PENALTY FOR NON-COMPLETION</u>			
	<u>Clause 30.0</u>			
29	Fixed: _____ Value related: _____ Time related: _____	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 PRILIMINARIES			

Brought Forward			R
<u>PAYMENT</u>			
<u>Payment shall be subject to the employer giving the contractor a tax invoice for the amount due</u>			
30	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A32.0 ADJUSTMENT TO THE CONTRACT VALUE</u>			
<u>Clause 32.0</u>			
<u>Clauses 32.5.1, 32.5.4 and 32.5.7 are amended by the addition of the following at the end of the sentence: due to no fault of the contractor</u>			
31	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A33.0 RECOVERY OF EXPENSE AND LOSS</u>			
<u>Clause 33.0</u>			
32	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>A34.0 FINAL ACCOUNT AND FINAL PAYMENT</u>			
<u>Clause 34.0</u>			
<u>Clause 34.1 is amended by removing "#" next to 34.1</u>			
<u>Clause 34.2 is amended by inserting "#" next to 34.2</u>			
<u>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"</u>			
Carried Forward			R
Section No. 1 Bill No. 1 PRILIMINARIES			

Brought Forward			R
	<p><u>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"</u></p>		
33	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>A35.0 PAYMENT TO OTHER PARTIES</u></p> <p><u>Clause 35.0</u></p>	Item	
34	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>CANCELLATION</u></p> <p><u>A36.0 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT</u></p> <p><u>Clause 36.0</u></p> <p><u>Clause 36.1 is amended by the addition of the following clauses:</u></p> <p><u>36.1.3 refuses or neglects to comply strictly with any of the conditions of contract</u></p> <p><u>36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa</u></p> <p><u>36.1.5 in the judgement of the employer, has engaged in corrupt or fraudulent practices in competing for or in executing the contract</u></p> <p><u>Clause 36.3 is amended by removing the reference to "No clause" and replacing the words "principal agent" with "employer"</u></p>	Item	
Carried Forward			R
<p>Section No. 1 Bill No. 1 PRILIMINARIES</p>			

Brought Forward		R
<p><u>36.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</u></p> <p>Clause 37.0 is amended by the addition of the following clause: <u>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</u></p>		
35	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>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</u></p>	Item
36	<p>Fixed: _____ Value related: _____ Time related: _____</p>	Item
Carried Forward		R
<p>Section No. 1 Bill No. 1 PRILIMINARIES</p>		

	Brought Forward		R	
	<u>A39.0 CANCELLATION - CESSATION OF THE WORKS</u>			
37	<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 Fixed:_____ Value related:_____ Time related:_____</p> <p><u>DISPUTE</u></p> <p><u>A40.0 DISPUTE SETTLEMENT</u></p> <p><u>Clause 40.0</u></p> <p><u>Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years"</u></p> <p><u>Clause 40.6 is amended by removing the reference to:</u></p> <p><u>No clause</u></p> <p><u>Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following:</u></p> <p><u>Whether or not mediation resolves the dispute, the parties shall bear their own costs concerning the mediation and equally share the costs of the mediator and related costs</u></p>	Item		
38	<p>Fixed:_____ Value related:_____ Time related:_____</p> <p><u>SUBSTITUTE PROVISIONS</u></p> <p><u>A41.0 STATE CLAUSES</u></p> <p><u>Clause 41.0</u></p>	Item		
39	<p>Fixed:_____ Value related:_____ Time related:_____</p> <p><u>CONTRACT VARIABLES</u></p>	Item		
	Carried Forward		R	
	<p>Section No. 1</p> <p>Bill No. 1</p> <p>PRILIMINARIES</p>			

		Brought Forward			R
<u>A42.0 THE SCHEDULE (DPW-04EC)</u>					
<u>Clause 42.0 Tenderers are referred to the Contract Data DPW-04(EC) for variables pertaining to this contract</u>					
40	Fixed: _____ Value related: _____ Time related: _____	Item			
<u>SECTION B: JBCC PRELIMINARIES</u>					
<u>B1.0 DEFINITIONS AND INTERPRETATION</u>					
<u>B1.1 Definitions and interpretation</u>					
<u>See also clause A1.0 of Section A for additional and/or amended definitions which shall apply equally to this Section</u>					
41	Fixed: _____ Value related: _____ Time related: _____	Item			
<u>B2.0 DOCUMENTS</u>					
<u>B2.1 Checking of documents</u>					
42	Fixed: _____ Value related: _____ Time related: _____	Item			
<u>B2.2 Provisional bills of quantities</u>					
43	Fixed: _____ Value related: _____ Time related: _____	Item			
<u>B2.3 Availability of construction documentation</u>					
44	Fixed: _____ Value related: _____ Time related: _____	Item			
<u>B2.4 Interests of agents</u>					
45	Fixed: _____ Value related: _____ Time related: _____	Item			
		Carried Forward			R
Section No. 1 Bill No. 1 PRILIMINARIES					

	Brought Forward		R	
	<u>B2.5 Priced documents</u>			
46	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B2.6 Tender submission</u>			
	<u>Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer and Acceptance DPW-07(EC)"</u>			
47	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B3.0 THE SITE</u>			
	<u>B3.1 Defined works area</u>			
48	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B3.2 Geotechnical investigation</u>			
49	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B3.3 Inspection of the site</u>			
50	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B3.4 Existing premises</u>			
51	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B3.5 Previous work - dimensional accuracy</u>			
52	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B3.6 Previous work - defects</u>			
53	Fixed: _____ Value related: _____ Time related: _____	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 PRILIMINARIES			

	Brought Forward		R	
	<u>B3.7 Services - known</u>			
54	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B3.8 Services - unknown</u>			
	<u>Fixed: _____ Value related: _____</u>			
	<u>Time related: _____</u>			
	<u>B3.9 Protection of trees</u>			
55	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B3.10 Articles of value</u>			
56	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B3.11 Inspection of adjoining properties</u>			
57	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B4.0 MANAGEMENT OF CONTRACT</u>			
	<u>B4.1 Management of the works</u>			
58	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B4.2 Programme for the works</u>			
59	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B4.3 Progress meetings</u>			
60	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B4.4 Technical meetings</u>			
61	Fixed: _____ Value related: _____ Time related: _____	Item		
	Carried Forward		R	
	Section No. 1			
	Bill No. 1			
	PRILIMINARIES			

Brought Forward			R	
<u>B4.5 Labour and plant records</u>				
62	Fixed: _____ Value related: _____ Time related: _____	Item		
<u>B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u>				
<u>B5.1 Samples of materials</u>				
63	Fixed: _____ Value related: _____ Time related: _____	Item		
<u>B5.2 Workmanship samples</u>				
64	Fixed: _____ Value related: _____ Time related: _____	Item		
<u>B5.3 Shop drawings</u>				
65	Fixed: _____ Value related: _____ Time related: _____	Item		
<u>B5.4 Compliance with manufacturers' instructions</u>				
66	Fixed: _____ Value related: _____ Time related: _____	Item		
<u>B6.0 TEMPORARY WORKS AND PLANT</u>				
<u>B6.1 Deposits and fees</u>				
67	Fixed: _____ Value related: _____ Time related: _____	Item		
<u>B6.2 Advertising</u>				
68	Fixed: _____ Value related: _____ Time related: _____	Item		
<u>B6.3 Advertising</u>				
69	Fixed: _____ Value related: _____ Time related: _____	Item		
Carried Forward			R	
Section No. 1 Bill No. 1 PRILIMINARIES				

Brought Forward			R
<u>B6.4 Plant, equipment, sheds and offices</u>			
70	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B6.5 Main notice board</u>			
71	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B6.6 Subcontractors' notice board</u>			
72	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B7.0 TEMPORARY SERVICES</u>			
<u>B7.1 Location</u>			
73	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B7.2 Water</u>			
74	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B7.3 Electricity</u>			
75	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B7.4 Telecommunication facilities</u>			
76	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B7.5 Ablution facilities</u>			
77	Fixed: _____ Value related: _____ Time related: _____	Item	
<u>B8.0 PRIME COST AMOUNTS</u>			
Carried Forward			R
Section No. 1 Bill No. 1 PRILIMINARIES			

Brought Forward			R	
<u>B8.1 Responsibility for prime cost amounts</u>				
78	Fixed:_____ Value related:_____ Time related:_____	Item		
<u>B9.0 ATTENDANCE ON N/S SUBCONTRACTORS</u>				
<u>B9.1 General attendance</u>				
79	Fixed:_____ Value related:_____ Time related:_____	Item		
<u>B9.2 Special attendance</u>				
80	Fixed:_____ Value related:_____ Time related:_____	Item		
<u>B9.3 Commissioning - fuel, water and electricity</u>				
81	Fixed:_____ Value related:_____ Time related:_____	Item		
<u>B10.0 FINANCIAL ASPECTS</u>				
<u>B10.1 Statutory taxes, duties and levies</u>				
82	Fixed:_____ Value related:_____ Time related:_____	Item		
<u>B10.2 Payment for preliminaries</u>				
83	Fixed:_____ Value related:_____ Time related:_____	Item		
<u>B10.3 Adjustment of preliminaries</u>				
84	Fixed:_____ Value related:_____ Time related:_____	Item		
<u>B10.4 Payment certificate cash flow</u>				
85	Fixed:_____ Value related:_____ Time related:_____	Item		
<u>B11.0 GENERAL</u>				
Carried Forward			R	
Section No. 1 Bill No. 1 PRILIMINARIES				

Brought Forward			R	
<u>B11.1 Protection of the works</u>				
86	Fixed:_____ Value related:_____ Time related:_____	Item		
<u>B11.2 Protection / isolation of existing / sectionally occupied works</u>				
87	Fixed:_____ Value related:_____ Time related:_____	Item		
<u>B11.3 Security of the works</u>				
88	Fixed:_____ Value related:_____ Time related:_____	Item		
<u>B11.4 Notice before covering work</u>				
89	Fixed:_____ Value related:_____ Time related:_____	Item		
<u>B11.5 Disturbance</u>				
90	Fixed:_____ Value related:_____ Time related:_____	Item		
<u>B11.6 Environmental disturbance</u>				
91	Fixed:_____ Value related:_____ Time related:_____	Item		
<u>B11.7 Works cleaning and clearing</u>				
92	Fixed:_____ Value related:_____ Time related:_____	Item		
<u>B11.8 Vermin</u>				
93	Fixed:_____ Value related:_____ Time related:_____	Item		
<u>B11.9 Overhand work</u>				
94	Fixed:_____ Value related:_____ Time related:_____	Item		
Carried Forward			R	
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Brought Forward			R
<u>B11.10 Instruction manuals and guarantees</u>			
95	Fixed:_____ Value related:_____ Time related:_____	Item	
<u>B11.11 As built information</u>			
96	Fixed:_____ Value related:_____ Time related:_____	Item	
<u>B11.12 Tenant installations</u>			
97	Fixed:_____ Value related:_____ Time related:_____	Item	
<u>B12.0 SCHEDULE OF VARIABLES</u>			
<u>B12.1 Schedule of variables</u>			
98	Fixed:_____ Value related:_____ Time related:_____	Item	
<u>SECTION C: SPECIFIC PRELIMINARIES</u>			
<u>Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item</u>			
<u>C1.0 CONTRACT DRAWINGS</u>			
<u>* Select relevant paragraph and delete whichever is not applicable depending on whether the contract is based on a bills of quantities or lump sum document</u>			
<u>* 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</u>			
Carried Forward			R
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	Brought Forward		R	
	<p><u>* A full set of drawings is issued with the tender documents indicating the full scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed</u></p> <p><u>Should any part of the drawings not be clearly understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent</u></p>			
99	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>C2.0 GENERAL PREAMBLES</u></p> <p><u>The document "Specification of Materials and Methods to be used (PW371)" is obtainable on the Department's website (http://www.publicworks.gov.za/ under "Consultants Guidelines"), and shall be read in conjunction with the bills of quantities / lump sum document and be referred to for the full descriptions of work to be done and materials to be used</u></p>	Item		
100	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>C3.0 TRADE NAMES</u></p> <p><u>Wherever a trade name for any product has been described in the bills of quantities / lump sum document, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders</u></p> <p><u>If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for</u></p>	Item		
101	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>C4.0 IMPORTED MATERIALS AND EQUIPMENT</u></p>	Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 PRILIMINARIES</p>			

	Brought Forward		R	
	<p><u>Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment DPW-23(EC) to be completed by tenderer)</u></p> <p><u>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)</u></p>			
102	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>C5.0 VIEWING THE SITE IN SECURITY AREAS</u></p> <p><u>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</u></p>	Item		
103	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>C6.0 COMMENCEMENT OF WORKS IN SECURITY AREAS</u></p> <p><u>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</u></p>	Item		
104	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>C7.0 ENTRANCE PERMITS TO SECURITY AREAS</u></p>	Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 PRILIMINARIES</p>			

	Brought Forward		R	
	<u>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</u>			
105	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>C8.0 SECURITY CHECK OF PERSONNEL</u>			
	<u>The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified</u>			
106	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		
	<u>C9.0 PROHIBITION ON TAKING OF PHOTOGRAPHS</u>			
	<u>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</u>			
	<u>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</u>			
107	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>C10.1 AWARENESS CHAMPION</u>			
	Carried Forward		R	
	Section No. 1 Bill No. 1 PRILIMINARIES			

	Brought Forward		R	
108	<p><u>Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification</u></p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>C10.2 AWARENESS WORKSHOPS</u></p> <p><u>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</u></p>	Item		
109	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.</u></p> <p><u>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</u></p>	Item		
110	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>C10.4 ACCESS TO CONDOMS</u></p> <p><u>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</u></p>	Item		
111	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>C10.5 MONITORING</u></p>	Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 PRILIMINARIES</p>			

	Brought Forward		R	
	<p><u>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</u></p>			
112	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>C11.0 OCCUPATIONAL HEALTH AND SAFETY ACT</u></p> <p><u>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)</u></p> <p><u>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</u></p> <p><u>The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment</u></p> <p><u>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</u></p>	Item		
113	<p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 PRILIMINARIES</p>			

		Brought Forward		R
	<p><u>C11.1 NOTIFICATION OF CONSTRUCTION WORK (Construction Regulation 3)</u></p> <p><u>The Contractor shall, before commencing work, notify the Department of Labour of the intended construction work in terms of Regulation 3. The Contractor shall submit the notification in writing, on the appropriate form, prior to commencement of work</u></p>			
114	<p>Fixed: _____ Value related: _____</p> <p>Time related: _____</p> <p><u>C11.2 HEALTH AND SAFETY PLAN (Construction Regulation 5.4)</u></p> <p><u>The Contractor shall provide and demonstrate to the Principal Agent a suitable and sufficiently documented health and safety plan based on the Act, Construction Regulations and the health and safety specification, which shall be applied from the date of commencement of and for the duration of the construction work. The Contractor shall ensure that a copy of the health and safety plan is available on request to an employee, inspector, sub contractor or principal agent all in terms of Regulation 5</u></p>	Item		
115	<p>Fixed: _____ Value related: _____</p> <p>Time related: _____</p> <p><u>C11.3 REGISTRATION WITH THE COMPENSATION FUND (Construction Regulation 5.3 f)</u></p> <p><u>The Contractor shall provide proof of his registration and good standing with the Compensation Fund or a licensed compensation insurer prior to the commencement of work</u></p>	Item		
116	<p>Fixed: _____ Value related: _____</p> <p>Time related: _____</p> <p><u>C11.4 HEALTH AND SAFETY FILE (Construction Regulation 5.7)</u></p>	Item		
		Carried Forward		R
<p>Section No. 1 Bill No. 1 PRILIMINARIES</p>				

	Brought Forward		R	
	<p><u>The Contractor shall ensure that a health and safety file, which shall include all documentation required in terms of the health and safety specification, the Act and the Construction Regulations, is opened and kept on site and made available to the Principal Agent or Inspector upon request. Upon completion of the works, the Contractor shall hand over a consolidated health and safety file to the principal agent</u></p>			
117	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>C11.5 SUPERVISION OF CONSTRUCTION WORK (SAFETY OFFICER) (Construction Regulation 6)</u></p> <p><u>The Contractor shall appoint a full-time competent employee in writing as the construction supervisor, with the duty of supervising the construction work. The Contractor shall appoint a full-time or part-time construction safety officer in writing to assist in the control of all safety related aspects on the site. Such appointments are required to ensure that at all times the requirements of the Act and Construction Regulations are adhered to. Refer to Regulation 6</u></p>	Item		
118	<p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
119	<p>C11.6 RISK ASSESSMENT AND SAFETY POLICY (Construction Regulation 7) Before commencing work the Contractor shall cause a risk assessment to be performed by a competent person appointed in writing and the risk assessment shall form part of the health and safety plan. A copy of the risk assessment shall be available on site at all times for inspection. The Contractor shall at all time carry out the works in a manner to avoid the risk of bodily harm to persons or risk of damage to any property. He shall take all precautions regarding training of employees in any hazards and the related work procedures, health and safety induction training of employees, visitors or any other persons entering the site and provide personal protective equipment to all employees and visitors to site which are necessary and adequate to eliminate any conditions which contribute to the risk of injury to persons or damage to property in terms of Regulation 7</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 PRILIMINARIES</p>			

Brought Forward		R
120	<p><u>C11.7 SIGNIFICANT HAZARDA IDENTIFICATION RISK ASSESSMENT PREPARED BY THE DESIGN CONSULTANTS</u></p> <p><u>The contractor shall allow for additional financial provision, if any, to take the necessary precautions regarding the significant hazards and risks identified and assessed by the design consultants</u></p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>C11.8 ADDITIONAL FINANCIAL PROVISION</u></p> <p><u>The Contractor shall allow for additional financial provision, if any, to comply with the requirements of the Occupational Health and Safety Act (Act No 85 of 1993) and the Construction Regulations issued there under which have not been specifically elsewhere provided</u></p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>C11.9 FALL PROTECTION PLAN (Construction Regulation 8)</u></p> <p><u>The contractor shall, before commencing any construction work submit a fall protection plan identified all steps to be taken in order to ensure the continued adherence to the fall protection plan and shall include a risk assessment of all work carried out from an relevant position. The fall protection plan shall form part of the health and safety plan and file F</u></p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>C11.10 PHYSICAL AND PSYCHOLOGICAL FITNESS (Construction Regulation 8.2(b))</u></p>	Item
Carried Forward		R
<p>Section No. 1 Bill No. 1 PRILIMINARIES</p>		

Brought Forward			R	
	<p><u>The contractor and sub-contractors shall before commencing any construction work submit proof of his employees that shall carried out work from an elevated position their physical and psychological fitness. And shall be recorded in the health and safety file</u></p>			
123	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>C11.11 CONSTRUCTION VEHICLES AND MOBILE PLANT (Construction Regulation 21)</u></p> <p><u>The contractor and sub-contractors shall ensure that all operated workers received training and been certified competent to operate such vehicle, and are physical and psychological fit to operate such construction vehicles and mobile plants. And shall be recorded in the health and safety file</u></p>	Item		
124	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>C11.12 TRAINING (Construction Regulation 8 (c))</u></p> <p><u>The contractor and sub-contractors shall, before commencing any construction work, submit his training program of all his employees. This program shall from part of the health and safety plan</u></p>	Item		
125	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>C11.13 DEMOLITION WORK (Construction Regulation 12)</u></p> <p><u>The contractor shall, before any demolition work shall carried out, submit all method of demolition to be used. This method shall form part of the health and safety plan and file.</u></p>	Item		
126	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>C11.14 REMOVAL AND DISPOSAL OF ASBESTOS MATERIAL (Asbestos Regulation)</u></p>	Item		
Carried Forward			R	
<p>Section No. 1 Bill No. 1 PRILIMINARIES</p>				

	Brought Forward		R	
127	<p><u>The principle contractor shall appoint a contractor that is registered with the Department of Labour as an AIA. The contractor must allow for; NOTIFICATION OF ASBESTOS PROCESSINGPERSONAL PROTECTIVE EQUIPMENTPACKAGING AND TRANSPORT AND STORAGE TO DISPOSAL SITEDEMOLITION WORK OF SHEETSLABELLING AND INFORMATION</u></p> <p>Fixed:_____ Value related:_____</p> <p>Time related:_____</p>	Item		
	Carried to Final Summary		R	
	Section No. 1			
	Bill No. 1			
	PRILIMINARIES			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u> <u>BILL NO. 1</u></p> <p><u>OCCUPATIONAL HEALTH & SAFETY AND ENVIRONMENTAL MANAGEMENT</u></p> <p><u>Failure, by the Tenderer, to price the items indicated below individually or per item will result in the Tender being deemed non-responsive. The legal requirements contemplated in the Construction Regulations as stated below:</u></p> <p><u>(CR) 5(1)(g) "A Client must ensure that potential principal contractors submitting tenders, have made adequate provision for the cost of health and safety measures"</u></p> <p><u>CR 5(1)(h) "A client must ensure that principal contractor to be appointed has the necessary competencies and resources to carry out the construction work safely"</u></p> <p><u>Shall apply and will be used to motivate the disqualification of the Tender. The contractor's attention is further drawn to Section 41 of the Occupational Health and Safety Act No. 85 Of 1993: This Act not affected by agreements</u></p> <p><u>Subject to the provisions of sections 10 (4) and 37 (2), a provision of this Act or a condition specified in any notice or direction issued there under or subject to which exemption was granted to any person under section 40, shall not be affected by any condition of any agreement, whether such agreement was entered into before or after the commencement of this Act or before or after the imposition of any such condition, as the case may be.</u></p> <p><u>Note to Principal Contractor</u></p> <p><u>Prior to pricing the principal contractor must familiarize him/herself with the Occupational Health and Safety Act No. 85 Of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety specifications.</u></p>			
	Carried Forward		R	
	<p>Section No. 2 Bill No. 1 HEALTH AND SAFETY</p>			

Brought Forward				R
<u>After pricing of the health and safety bill of quantities, the Principal Contractor must sign the Certificate of Acquaintance 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 & Safety specifications. Failure, by the Tenderer, to sign the Certificate of Acquaintance may result in the Tender being deemed non-responsive.</u>				
1	Notify the provincial director in writing of the commencement of construction work with and including submission of a letter of receipt and acknowledgement of the aforementioned notice by the director of his/her representative		Item	
2	Allow for the preparation and approval of project-specific H&S Plan & File [CR 7(1)(a)]		Item	
3	Allow for the implementation and maintenance of project-specific H&S Plan & File. [CR 7]	No	3	
4	Principal Contractor's time related obligations in respect of the OHS Act and Construction Regulations for the entire construction period.	No	3	
5	Provision of full time Health and Safety Officer for the entire construction period.	No	3	
<u>Provide, supply and maintenance for each worker the following SANS approved personal protective equipment & clothing as per the site-specific risk assessments:</u>				
6	Hard hats (high density polyethylene & 6-point lining)	No	10	
7	Vests	No	10	
8	Safety boots / shoes (steel-toe)	No	10	
9	Safety gloves	No	10	
10	Ear plugs/ muffs	No	10	
11	Dust mask(at least FF2 type)	No	10	
Carried Forward				R
Section No. 2 Bill No. 1 HEALTH AND SAFETY				

Brought Forward			R
12	Temporary warning signs and symbols	No	5
13	Allow for pre-employment medical examinations		Item
14	Allow for exit medical examinations		Item
15	SANS approved weld mesh type temporary barrier fencing 1,8m high covered with a net fixed to and including 100mm diameter gum poles set securely min 300mm deep in ground at max 3m spacing including excavation, backfilling, etc		Item
Carried to Final Summary			R
Section No. 2			
Bill No. 1			
HEALTH AND SAFETY			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 1</u></p> <p><u>DEMOLITION OF NON COMPLIANT ACCESS RAMPS</u></p> <p><u>View site</u></p> <p><u>Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</u></p> <p><u>General</u></p> <p><u>Water supply pipes and other piping in ground that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings to the satisfaction of the principal agent</u></p> <p><u>Unless otherwise described all materials are to become the property of the contractor and are to be removed from the site</u></p> <p><u>Extra over all excavations for carting away</u></p>			
1	Clean out pit latrine by desludging including removal of all debris and waste including solid waste as per Health and Safety requirements and make good on completion including disposing of all debris and waste at an authorised municipal waste disposal facility.	Item		
	<p style="text-align: right;">Carried Forward to Summary of Section No. 3</p> <p>Section No. 3 Bill No. 1 DEMOLITIONS</p>		R	

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 2</u>			
	<u>ALTERATIONS</u>			
	<u>View site</u> <u>Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials salvageable from the alterations. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</u>			
	<u>Explosives</u> <u>No explosives whatsoever may be used for alteration purposes unless otherwise stated</u>			
	<u>General</u> <u>The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to tenants in the building and to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent</u>			
	<u>Fittings, frames, linings, which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehangings, cramping up, re-wedging as required and making good cramps, dowels,, and oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately</u>			
	<u>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, shall be levelled and prepared for raising of brickwork</u>			
	Carried Forward		R	
	Section No. 3 Bill No. 2 ALTERATIONS			

	<p>Brought Forward</p> <p><u>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</u></p> <p><u>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)</u></p> <p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>Taking out and removing sanitary fittings</u></p>			R	
1	<p>Remove VIP 200 Pit pedestal and prepare surface to receive new VIP 450 pedestal (VIP 450 pedestal elsewhere).</p>	No	3		
<p>Carried Forward to Summary of Section No. 3</p> <p>Section No. 3 Bill No. 2 ALTERATIONS</p>					R

SECTION SUMMARY - DEMOLITIONS AND ALTERATIONS		Page No	Amount	
Bill No				
1	DEMOLITIONS	33		
2	ALTERATIONS	35		
Section No. 3			R	
Carried to Final Summary				

Item No	Quantity	Rate	Amount
<u>SECTION NO. 4</u>			
<u>BILL NO. 1</u>			
<u>BUILDING WORKS</u>			
<u>SUBSOIL DRAINAGE</u>			
<u>Slotted PVC-U flexible drainage pipes</u>			
<u>Earth filling 300 x 300mm section of 20mm thick stone material surrounding 110mm uPVC pipe, supplied by the contractor compacted to 98% Mod AASHTO density:</u>			
<u>Excavation in compacted earth exceeding 2m deep and not exceeding 4m deep</u>			
1	Trenches	m3	
<u>Extra over all excavations for carting away</u>			
2	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m3	
<u>Risk of collapse of excavations</u>			
3	Sides of trench and hole excavations exceeding 1,5m deep	m2	
<u>Keeping excavations free of water</u>			
4	Keeping excavations free of all water other than subterranean water	Item	
<u>Compaction of ground surfaces</u>			
5	Compaction of natural or excavated ground surface under floors, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	
<u>SOIL POISONING</u>			
Carried Forward			R
Section No. 4 Bill No. 1 BUILDNING WORKS			

	Brought Forward			R	
	<u>Soil insecticide in accordance with SANS 5859</u>				
6	To bottoms and sides of trenches	m2			
	<u>FILLING</u>				
	<u>Earth filling (G7 material) supplied by the contractor in layers not exceeding 125mm thick and compacted to 98% Mod AASHTO density:</u>				
7	Backfilling to trenches	m3			
	<u>Prescribed density tests on filling</u>				
8	Modified AASHTO Density test	m2			
	<u>Membrane</u>				
9	Geofabric filter blanket wrapped around stone with 150mm side and 300mm end laps, including stitching.	m2			
	<u>110mm Diameter perforated uPVC pipe surrounded with 300 x 300mm section of 20mm stone wrapped in geotextile material.</u>				
10	110mm uPVC pipe.	m			
	<u>Extra over fittings</u>				
11	110mm Tee	No			
12	110mm Y junction	No			
	<u>Earth filling 300 x 300mm section of 20mm thick stone material surrounding 110mm uPVC pipe, supplied by the contractor compacted to 98% Mod AASHTO density:</u>				
13	20mm Stone.	m3			
	<u>BATHROOM FITTINGS</u>				
	<u>Satin Grey Plastics or equal approved</u>				
14	"Satin plastic N-SBIN-12-SA SHE Bin size 463 x 140 x 480mm, floor standing loose.	No	8		
	Carried Forward			R	
	Section No. 4 Bill No. 1 BUILDNING WORKS				

Brought Forward			R
15	VIP 450 pedestal complete.	No	3
16	50mm aluminium/metal bat to hold vent pipes against brickwalls	No	30
<u>BRICKWORK</u>			
<u>SUPERSTRUCTURE</u>			
<u>FACE BRICKWORK</u>			
<u>Brick-on-edge header course copings of "Rustgold FBS/Qunu Travertine" or equal approved face bricks pointed with recessed joints on all exposed faces, 220mm wide sill set sloping and slightly projecting:</u>			
17	230mm wide header course to top of one brick wall bedded and jointed in cement mortar and pointed on top and both sides as described.	m	20
Carried to Final Summary			R
Section No. 4			
Bill No. 1			
BUILDNING WORKS			

Brought Forward			R
<u>Compaction of ground surfaces</u>			
3	Compaction of natural or excavated ground surface bottom of excavation, to 93% Mod AASHTO density.	m2	4
<u>Earth filling (G7 material) supplied by the contractor in layers not exceeding 125mm thick and compacted to 98% Mod AASHTO density:</u>			
4	Backfilling under v-drains	m3	1
<u>Prescribed density tests on filling</u>			
5	Modified AASHTO Density test	No	1
<u>REINFORCED CONCRETE</u>			
<u>Cast in-situ Ref 395 mesh reinforced concrete (25MPa) open stormwater channels having V-shaped waterway formed in top, finished smooth on all exposed surfaces in 3:1 cement plaster trowelled smooth and with angles rounded, cast in suitable lengths not exceeding 2m, including all formwork, moulds, shallow excavation, filling and ramming, laying to falls, bedding and pointing in 3:1 cement mortar. Concrete apron to be tinted, colour to be specified by the Engineer</u>			
6	700 x 80mm thick V' channel 150mm deep in centre laid in position in ground not exceeding 2000mm sections including all formwork, reinforcement, expansion joints, smooth finishing to top of concrete surface	m	6
7	Extra for forming 200mm thick 700mm wide spreader with 200mm high edges fanning out to 1 960mm width at furthest end with hard burnt bricks pitching cast in ass diffusers including working off concrete to a smooth finish and draining onto natural ground with 150 - 200mm diameter loose stones.	No	1
<u>CONCRETE SUNDRIES</u>			
Carried Forward			R
Section No. 5 Bill No. 1 STORMWATER			

	Brought Forward			R	
	<u>Finishing top surfaces of concrete smooth with a power float with high quality "ABC Plate" floor hardener applied at a rate of 7kg/m² in accordance with the Engineer's guidelines</u>				
8	Finishing concrete bottoms smooth with a steel trowel to falls	m2	4		
	<u>TEST CUBES</u>				
9	Making and testing a set of three 150 x 150 x 150mm concrete strength test cube (Provisional)	No	1		
	<u>SOAKAWAY</u>				
	<u>EXCAVATIONS</u>				
	<u>Excavation in compacted earth not exceeding 2m deep</u>				
10	Excavation in earth not exceeding 2m deep for holes	m3	42		
	<u>Risk of collapse of excavations</u>				
11	Risk of collapse of sides of excavations not exceeding 1,5m deep	m2	84		
	<u>Compaction of ground surfaces</u>				
12	Thoroughly compact backfilling materials	m2	40		
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 90% Mod AASHTO density</u>				
13	Backfilling to trenches	m3	32		
	<u>Earth filling with stone material supplied by the contractor:</u>				
14	Stone (>63mm)	m3	20		
	<u>Membranes</u>				
15	Bidim Geotextile or equal approved, lined on all sides including the top and bottom faces. .	m2	120		
	Carried Forward			R	
	Section No. 5 Bill No. 1 STORMWATER				

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	Brought Forward			R	
	<u>Compaction of ground surfaces</u>				
3	Compaction of natural or excavated ground surface under floors, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	7		
	<u>FILLING</u>				
	<u>Earth filling (G7 material) supplied by the contractor in layers not exceeding 125mm thick and compacted to 98% Mod AASHTO density:</u>				
4	Under aprons	m3	1		
	<u>Prescribed density tests on filling</u>				
5	Modified AASHTO Density test	No	1		
	<u>REINFORCED CONCRETE</u>				
	<u>25MPa/19mm concrete</u>				
6	Surface beds cast in panels on waterproofing	m3	1		
	<u>CONCRETE SUNDRIES</u>				
	<u>Finishing top surfaces of concrete smooth with a power float with high quality "ABC Plate" floor hardener applied at a rate of 7kg/m² in accordance with the Engineer's guidelines</u>				
7	Finishing concrete bottoms smooth with a steel trowel to falls	m2	7		
	<u>TEST CUBES</u>				
8	Making and testing three set of 150 x 150 x 150mm concrete strength test cube (Provisional)	No	1		
	<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>				
	<u>Rough formwork to sides</u>				
9	Formwork to edges, risers, ends and reveals not exceeding 300mm wide or high	m	16		
	Carried Forward			R	
	Section No. 5				
	Bill No. 2				
	APRONS				

Brought Forward				R
<u>Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces:</u>				
10	12mm Joints not exceeding 300mm high	m	2	8/3*,9
<u>REINFORCEMENT</u>				
11	REF. 395 fabric reinforcement in concrete surface beds, slabs, etc.	m2	7	
<u>WATERPROOFING</u>				
12	350 Micron USB orange polyethylene dampproof membrane in accordance with SABS 952 Type C laid on sand bed (elsewhere measured). .	m2	7	
Carried Forward to Summary of Section No. 5				R
Section No. 5				
Bill No. 2				
APRONS				

SECTION SUMMARY - EXTERNAL WORKS		Page No		Amount
Bill No				
1	STORMWATER	43		
2	APRONS	46		
Carried to Final Summary				R
Section No. 5				

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<p style="text-align: right;">Brought Forward</p> <p><u>1) access to the site and to the places where the work is to be carried out, including the use of any temporary personnel hoists erected by the Contractor for his own use;</u></p> <p><u>2) the provision of water and lighting and of single and/or three phase electric power to a position within 50 metres of the place where work is to be carried out, but excluding water, fuel and power for commissioning of the installation for which the Contractor shall be responsible;</u></p> <p><u>3) the provision of an area for office accommodation, temporary workshops and for the storage of plant and materials;</u></p> <p><u>4) the use of erected scaffolding belonging to the Contractor, in common with others having the like right whilst it so remains erected upon the site;</u></p> <p><u>5) the use of messrooms, latrine, health and welfare facilities, and the like, where provided;</u></p> <p><u>6) the use of the site telephone (if provided) subject to the payment by the sub-contractor for all his outgoing calls;</u></p> <p><u>7) temporary casing and/or other protection of the work;</u></p> <p><u>8) site security measures;</u></p> <p><u>9) hoisting of the sub-contractor's material in loads not exceeding the available hoisting loads of cranes of the contractor;</u></p> <p><u>10) repairs and making good in all trades and final cleaning down on completion.</u></p> <p><u>Fuel, power and water for commissioning plant</u></p>		R	
<p style="text-align: right;">Carried Forward</p> <p>Section No. 7 Bill No. 1 PROVISIONAL SUMS</p>		R	

Brought Forward			R
<p><u>The cost of fuel, power and water for the commissioning of plant shall be borne by the sub-contractor appointed for the relevant sub-contract works in terms of the conditions under which they have/are contracted for the specialist work involved. The contractor shall allow opposite this item or under the relevant attendance items for the recovery of such costs via the installation of the necessary meters</u></p> <p><u>Work executed by direct contractors</u></p> <p><u>Work listed under the heading "Work executed by direct contractors" shall be executed before and during this contract and the tenderer must allow free access to the site for such other contractors. These contractors shall be directly paid by the client and the tenderer must allow for programming in conjunction with them to complete the project successfully within the contract period. The estimated values of these contracts are listed to enable the tenderer to determine the extent of the attendance if required. Profit on these contracts shall not be allowed.</u></p> <p><u>Budgetary allowances</u></p> <p><u>Budgetary allowances shall be re-measured and valued on the same pricing structure as the rest of the contract or shall be omitted in full if so required.</u></p> <p>-----</p> <p><u>Landscaping and Irrigation</u></p>			
1	Provide the sum of R50 000 for landscaping to be used as directed by the Principal Agent and deducted in whole or in part if not required.	Item	
2	Allow for Profit if required	%	
<u>Subsoil drainage</u>			
3	Provide the sum of R 150 000 for subsoil drainage to be used as directed by the Principal Agent and deducted in whole or in part if not required.	Item	
Carried Forward			R
Section No. 7 Bill No. 1 PROVISIONAL SUMS			

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