

Item No	Quantity	Rate	Amount
<u>SECTION 1</u>			
<u>BILL NO. 1</u>			
<u>PRELIMINARY & GENERALS</u>			
<u>MEANING OF TERMS "TENDER / TENDERER"</u>			
Any reference to the words "Bid" or "Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".			
<u>PRELIMINARIES</u>			
The JBCC Preliminaries, May 2005 edition for use with the JBCC Principal Building Agreement (edition 4.1, March 2005) is deemed to be incorporated herein. Additions, deletions and alterations to the JBCC Principal Building Agreement as well as the schedule of variables have been incorporated in Part C1.2 the Contract Data section of this document. The Bidder is deemed to have referred to these documents for the full intent and meaning of each clause. These clauses are referred to by number and heading only. Where standard clauses or options are not applicable to the contract such modifications or corrections as are necessary are given under each relevant clause. Where an item is not relevant to this specific contract such item is marked. "N/A" signifying "Not Applicable".			
<u>PRICING OF PRELIMINARIES</u>			
Should Option A, under clause 42.5.5 of Part C1.2 be used for the adjustment of preliminaries then each item priced is to be allocated to one or more of the three categories Fixed, Value Related or Time Related and the respective amounts entered in the spaces provided under each item.			
Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities.			
<u>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</u>			
<u>DEFINITIONS</u>			
Carried Forward			
Section No. 1 Bill No. 1 Preliminaries		R	

Brought Forward			R	
<u>DEFINITIONS AND INTERPRETATION</u>				
<u>Clause 1.0</u>				
1	Fixed: related:	Value related:	Time	Item
<u>OBJECTIVE AND PREPERATION</u>				
<u>OFFER, ACCEPTANCE AND PERFORMANCE</u>				
<u>Clause 2.0</u>				
2	Fixed: related:	Value related:	Time	Item
<u>DOCUMENTS</u>				
<u>Clause 3.0</u>				
3	Fixed: related:	Value related:	Time	Item
<u>DESIGN RESPONSIBILITY</u>				
<u>Clause 4.0</u>				
4	Fixed: related:	Value related:	Time	Item
<u>EMPLOYER'S AGENTS</u>				
<u>Clause 5.0</u>				
5	Fixed: related:	Value related:	Time	Item
<u>SITE REPRESENTATIVE</u>				
<u>Clause 6.0</u>				
6	Fixed: related:	Value related:	Time	Item
<u>COMPLIANCE WITH REGULATIONS</u>				
Carried Forward			R	
Section No. 1 Bill No. 1 Preliminaries				

Brought Forward				R
<u>Clause 7.0</u>				
7	Fixed: related:	Value related:	Time	Item
<u>WORKS RISK</u>				
<u>Clause 8.0</u>				
8	Fixed: related:	Value related:	Time	Item
<u>INDEMNITIES</u>				
<u>Clause 9.0</u>				
9	Fixed: related:	Value related:	Time	Item
<u>WORKS INSURANCES</u>				
10	Fixed: related:	Value related:	Time	Item
<u>LIABILITY INSURANCES</u>				
<u>Clause 11.0</u>				
11	Fixed: related:	Value related:	Time	Item
<u>EFFECTING INSURANCES</u>				
<u>Clause 12.0</u>				
12	Fixed: related:	Value related:	Time	Item
<u>No clause</u>				
<u>Clause 13.0</u>				
13	Fixed: related:	Value related:	Time	Item
<u>SECURITY</u>				
Carried Forward				R
Section No. 1 Bill No. 1 Preliminaries				

Brought Forward			R
	<u>Clause 14.0</u>		
14	Fixed: related:	Value related:	Time Item
	<u>EXECUTION</u>		
	<u>PREPERATION FOR AND THE EXECUTION OF T HE WORKS</u>		
	<u>Clause 15.0</u>		
15	Fixed: related:	Value related:	Time Item
	<u>CONTRACT INSTRUCTIONS</u>		
	<u>Clause 17.0</u>		
16	Fixed: related:	Value related:	Time Item
	<u>SETTING OUT OF THE WORKS</u>		
	<u>Clause 18.0</u>		
17	Fixed: related:	Value related:	Time Item
	<u>ASSIGNMENT</u>		
	<u>Clause 19.0</u>		
18	Fixed: related:	Value related:	Time Item
	<u>NOMINATED SUBCONTRACTORS</u>		
	<u>Clause 20.0</u>		
19	Fixed: related:	Value related:	Time Item
	<u>SELECTED SUBCONTRACTORS</u>		
Carried Forward			R
Section No. 1 Bill No. 1 Preliminaries			

	Brought Forward		R	
	<u>Clause 21.0</u>			
20	Fixed: related:	Value related:	Time	Item
	<u>EMPLOYER'S DIRECT CONTRACTORS</u>			
	<u>Clause 22.0</u>			
21	Fixed: related:	Value related:	Time	Item
	<u>CONTRACTOR'S DOMESTIC SUBCONTRACTORS</u>			
	<u>Clause 23.0</u>			
22	Fixed: related:	Value related:	Time	Item
	<u>COMPLETION</u>			
	<u>PRACTICAL COMPLETION</u>			
	<u>Clause 24.0</u>			
23	Fixed: related:	Value related:	Time	Item
	<u>WORKS COMPLETION</u>			
	<u>Clause 25.0</u>			
24	Fixed: related:	Value related:	Time	Item
	<u>FINAL COMPLETION</u>			
25	Fixed: related:	Value related:	Time	Item
	<u>LATENT DEFECTS LIABILITY PERIOD</u>			
	<u>Clause 27.0</u>			
26	Fixed: related:	Value related:	Time	Item
	Carried Forward			
	Section No. 1 Bill No. 1 Preliminaries			R

Brought Forward			R	
<u>SECTIONAL COMPLETION</u>				
<u>Clause 28.0</u>				
27	Fixed: related:	Value related:	Time	Item
<u>REVISION OF DATE FOR PRACTICAL COMPLETION</u>				
<u>Clause 29.0</u>				
28	Fixed: related:	Value related:	Time	Item
<u>PENALTY FOR NON-COMPLETION</u>				
<u>Clause 30.0</u>				
29	Fixed: related:	Value related:	Time	Item
<u>PAYMENT</u>				
<u>INTERIM PAYMENT TO THE CONTRACTOR</u>				
<u>Clause 31.0</u>				
30	Fixed: related:	Value related:	Time	Item
<u>ADJUSTMENT TO THE CONTRACT VALUE</u>				
<u>Clause 32.0</u>				
31	Fixed: related:	Value related:	Time	Item
<u>RECOVERY OF EXPENSE AND LOSS</u>				
<u>Clause 33.0</u>				
32	Fixed: related:	Value related:	Time	Item
<u>FINAL ACCOUNT AND FINAL PAYMENT</u>				
Carried Forward			R	
Section No. 1 Bill No. 1 Preliminaries				

Brought Forward			R
<u>Clause 34.0</u>			
Fixed: related:	Value related:	Time	Item
<u>PAYMENT TO OTHER PARTIES</u>			
<u>Clause 35.0</u>			
Fixed: related:	Value related:	Time	Item
<u>CANCELLATION</u>			
<u>CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT</u>			
<u>Clause 36.0</u>			
Fixed: related:	Value related:	Time	Item
<u>CANCELLATION BY EMPLOYER - LOSS AND DAMAGE</u>			
<u>Clause 37.0</u>			
Fixed: related:	Value related:	Time	Item
<u>CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT</u>			
<u>Clause 38.0</u>			
Fixed: related:	Value related:	Time	Item
<u>CENCELLATION - CESSATION OF THE WORKS</u>			
<u>Clause 39.0</u>			
Fixed: related:	Value related:	Time	Item
<u>DISPUTE</u>			
Carried Forward			R
Section No. 1 Bill No. 1 Preliminaries			

			Brought Forward			R	
			<u>DISPUTE SETTLEMENT</u>				
			<u>Clause 40.0</u>				
39	Fixed: related:	Value related:	Time	Item			
			<u>SUBSTITUTE PROVISIONS</u>				
			<u>STATE CLAUSES</u>				
			<u>Clause 41.0</u>				
40	Fixed: related:	Value related:	Time	Item			
			<u>CONTRACT VARIABLES</u>				
			<u>SCHEDULE OF VARIABLES</u>				
			<u>Clause 42.0</u>				
41	Fixed: related:	Value related:	Time	Item			
			Tenderers are referred to Part C1.2 Contract Data for variables pertaining to this contract				
			<u>SECTION B:JBCC PRELIMINARIES</u>				
			<u>DEFINITIONS AND INTERPRETATION (B1)</u>				
			Definitions and interpretation				
42	Fixed: related:	Value related:	Time	Item			
			<u>DOCUMENTS (B2)</u>				
			Checking of documents				
43	Fixed: related:	Value related:	Time	Item			
			Provisional bills of quantities				
			Carried Forward			R	
			Section No. 1 Bill No. 1 Preliminaries				

			Brought Forward			R	
44	Fixed: related:	Value related:	Time	Item			
	Availability of construction documentation						
45	Fixed: related:	Value related:	Time	Item			
	Interests of agents						
	See Schedule of Variables (B12)						
46	Fixed: related:	Value related:	Time	Item			
	<u>Priced documents</u>						
	Notwithstanding the provisions of this clause, the contractor shall submit the priced documents within the time as stated in A42.4.4 of the Schedule of Contract Variables						
	<u>Rates (items)</u>						
	Where appropriate, rates for similar items in the various sections of these bills of quantities should be the same						
47	Fixed: related:	Value related:	Time	Item			
	Tender submission						
	This clause is amended by substituting "JBCC Form of Tender" with "Official Form of Tender":						
48	Fixed: related:	Value related:	Time	Item			
	<u>THE SITE (B3)</u>						
	<u>Defined works area</u>						
49	Fixed: related:	Value related:	Time	Item			
	Carried Forward						
	Section No. 1 Bill No. 1 Preliminaries						
						R	

			Brought Forward			R	
			<u>Geotechnical investigation</u>				
50	Fixed: related:	Value related:	Time	Item			
			<u>Inspection of the site</u>				
51	Fixed: related:	Value related:	Time	Item			
			<u>Existing premises occupied</u>				
52	Fixed: related:	Value related:	Time	Item			
			<u>Previous work - dimensional accuracy</u>				
53	Fixed: related:	Value related:	Time	Item			
			<u>Previous work - defects</u>				
54	Fixed: related:	Value related:	Time	Item			
			<u>Services - known</u>				
55	Fixed: related:	Value related:	Time	Item			
			<u>Services - unknown</u>				
56	Fixed: related:	Value related:	Time	Item			
			<u>Protection of trees</u>				
57	Fixed: related:	Value related:	Time	Item			
			<u>Articles of value</u>				
58	Fixed: related:	Value related:	Time	Item			
			<u>Inspection of adjoining properties</u>				
			Carried Forward			R	
	Section No. 1						
	Bill No. 1						
	Preliminaries						

		Brought Forward			R
		<u>See Schedule of Variables (B12)</u>			
59	Fixed: related:	Value related:	Time	Item	
		<u>MANAGEMENT OF CONTRACT (B4)</u>			
		Management of the Works			
		The Contractor shall obtain all necessary particulars of Subcontractors' work timeously so that provision for recesses, chases, holes, etc. can be made			
60	Fixed: related:	Value related:	Time	Item	
		<u>Programme for the Works</u>			
		<u>Fixed:..... Value Related:.....</u>			
		<u>Time Related:.....</u>			
		<u>Progress meetings</u>			
61	Fixed: related:	Value related:	Time	Item	
		<u>Technical meetings</u>			
62	Fixed: related:	Value related:	Time	Item	
		<u>Labour and plant records</u>			
63	Fixed: related:	Value related:	Time	Item	
		<u>SAMPLES, SHOP DRAWINGS AND MANUFACTURER'S INSTRUCTIONS (B5)</u>			
		<u>Samples of materials</u>			
64	Fixed: related:	Value related:	Time	Item	
		Carried Forward			R
		Section No. 1			
		Bill No. 1			
		Preliminaries			

			Brought Forward			R	
			<u>Workmanship samples</u>				
65	Fixed: related:	Value related:	Time	Item			
			<u>Shop drawings</u>				
66	Fixed: related:	Value related:	Time	Item			
			<u>Compliance with manufacturer's instructions</u>				
67	Fixed: related:	Value related:	Time	Item			
			<u>TEMPORARY WORKS AND PLANT (B6)</u>				
			<u>Deposits and fees (B6.1)</u>				
68	Fixed: related:	Value related:	Time	Item			
			<u>Enclosure of the works (B6.2)</u>				
69	Fixed: related:	Value related:	Time	Item			
			<u>Advertising (B6.3)</u>				
			Advertisements on the hoarding or elsewhere on the site will be allowed, subject to the written approval of the Principal Agent				
70	Fixed: related:	Value related:	Time	Item			
			<u>Plant, equipment, sheds and offices (B6.4)</u>				
71	Fixed: related:	Value related:	Time	Item			
			<u>Main noticeboard (B6.5)</u>				
72	Fixed: related:	Value related:	Time	Item			
			Carried Forward			R	
			Section No. 1 Bill No. 1 Preliminaries				

			Brought Forward			R	
			<u>Subcontractors' noticeboard (B6.6)</u>				
73	Fixed: related:	Value related:	Time	Item			
			<u>TEMPORARY SERVICES (B7)</u>				
			<u>Location</u>				
74	Fixed: related:	Value related:	Time	Item			
			<u>Water</u>				
75	Fixed: related:	Value related:	Time	Item			
			<u>Electricity</u>				
76	Fixed: related:	Value related:	Time	Item			
			<u>Telecommunication facilities</u>				
77	Fixed: related:	Value related:	Time	Item			
			<u>Ablution facilities</u>				
78	Fixed: related:	Value related:	Time	Item			
			<u>PRIME COST AMOUNTS (B8)</u>				
			<u>Responsibility for prime cost amounts</u>				
79	Fixed: related:	Value related:	Time	Item			
			<u>ATTENDANCE ON NOMINATED SUBCONTRACTORS (B9)</u>				
			<u>General attendance</u>				
			In addition to the provisions of clause B9.1, the Contractor shall, at his own expense, provide the following additional general attendance:				
			Carried Forward			R	
			Section No. 1				
			Bill No. 1				
			Preliminaries				

		Brought Forward			R	
		<u>Make good after Nominated Subcontractors</u>				
80	Fixed: related:	Value related:	Time	Item		
		<u>Special attendance</u>				
81	Fixed: related:	Value related:	Time	Item		
		<u>Commissioning - fuel, water and electricity</u>				
82	Fixed: related:	Value related:	Time	Item		
		<u>FINANCIAL ASPECTS (B10)</u>				
		<u>Statutory taxes, duties and levies</u>				
		In addition to the provisions of clause B10.1, all individual amounts in these bills of quantities exclude Value Added Tax (VAT) VAT is to be calculated as a lump sum and added to the total of all values in the Final Summary under the item provided for VAT				
		<u>Payment of preliminaries</u>				
83	Fixed: related:	Value related:	Time	Item		
		<u>Adjustment of preliminaries (B10.3)</u>				
84	Fixed: related:	Value related:	Time	Item		
		<u>Payment certificate cash flow (B10.4)</u>				
85	Fixed: related:	Value related:	Time	Item		
		<u>GENERAL (B11)</u>				
		<u>Protection of the Works (B11.1)</u>				
86	Fixed: related:	Value related:	Time	Item		
		Carried Forward			R	
	Section No. 1 Bill No. 1 Preliminaries					

Brought Forward				R	
<u>Protection/isolation of existing/sectionally occupied Works (B11.2)</u>					
87	Fixed: related:	Value related:	Time	Item	
<u>Security of the works (B11.3)</u>					
88	Fixed: related:	Value related:	Time	Item	
<u>Notice before covering work (B11.4)</u>					
89	Fixed: related:	Value related:	Time	Item	
<u>Disturbance (B11.5)</u>					
90	Fixed: related:	Value related:	Time	Item	
<u>Environmental disturbance (B11.6)</u>					
91	Fixed: related:	Value related:	Time	Item	
<u>Works cleaning and clearing (B11.7)</u>					
92	Fixed: related:	Value related:	Time	Item	
<u>Vermin (B11.8)</u>					
93	Fixed: related:	Value related:	Time	Item	
<u>Overhand work (B11.9)</u>					
94	Fixed: related:	Value related:	Time	Item	
<u>Instruction manuals and guarantees (B11.10)</u>					
95	Fixed: related:	Value related:	Time	Item	
Carried Forward				R	
Section No. 1 Bill No. 1 Preliminaries					

Brought Forward				R	
<u>As built information (B11.11)</u>					
96	Fixed: related:	Value related:	Time	Item	
<u>Tenant installations (B11.12)</u>					
97	Fixed: related:	Value related:	Time	Item	
<u>SECTION C: SPECIFIC PRELIMINARIES</u>					
(Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item					
<u>Contract drawings</u>					
The drawings issued with these Bid documents do not comprise the complete set but serves as a guide only for Biding purposes and for indicating the scope of works to enable the Bidder to acquaint him with the nature and extent of the works and the manner in which they are to be executed.					
Should any part of the drawings not be clearly legible to the Bidder he shall, before submitting his Bid, obtain clarification in writing from the principal agent.					
98	Fixed: related:	Value related:	Time	Item	
<u>Preambles</u>					
<u>The works specifications that are applicable to the works are listed in Part C3.1: Scope of Work and shall be read in conjunction with the Bills of Quantities and be referred to for the full descriptions of work to be done and materials to be used.</u>					
99	Fixed: related:	Value related:	Time	Item	
<u>Trade Names</u>					
Carried Forward				R	
Section No. 1 Bill No. 1 Preliminaries					

	Brought Forward		R
	<p><u>Wherever a Trade Name for any product has been described in the Bills of Quantities the Bidder'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 If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been Bidded for.</u> <u>to the closing date for submission of Bids.</u></p>		
100	Fixed: related:	Value related:	Time Item
	<u>Imported Material and Equipment</u>		
	<p><u>Where imported items are listed in the Bid documents, the Bidder shall provide all the information called for, failing which the price of any such item, material or equipment shall be excluded from currency fluctuations. (Refer to T2.2 for the Schedule of Imported Materials and Equipment to be completed by the bidder)</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 Provision (CPAP) if applicable.</u></p>		
101	Fixed: related:	Value related:	Time Item
	<u>Existing premises occupied</u>		
	<p><u>Refer to Scope of works Part C3 of this Bid Document for information on the occupation of existing buildings.</u></p>		
102	Fixed: related:	Value related:	Time Item
	<u>Inaccurate and defective work executed under a previous contract</u>		
	Carried Forward		
	Section No. 1 Bill No. 1 Preliminaries		
			R

		Brought Forward		R	
		<p><u>The contractor shall, after taking possession of the site and before commencing the work, check all levels, liners, profiles and the like and satisfy himself as to the dimensional accuracy of all work executed under the previous contract which may affect his work.</u></p> <p><u>Should any inaccurate or defective work be found, the contractor shall immediately notify the principal agent in writing requesting his instructions with regard thereto and afford every facility to those rectifying such inaccurate or defective work.</u></p>			
103	Fixed: related:	Value related:	Time	Item	
		<u>Viewing the Site in security areas</u>			
		<u>Commencement of Works in security areas</u>			
		<p><u>If the works falls within a security area, the contractor must arrange with the reponsible official and give the necessary notices 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>			
104	Fixed: related:	Value related:	Time	Item	
		<u>Entrance permits to security areas</u>			
		<p><u>If the works fall 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 control of the Authority.</u></p>			
105	Fixed: related:	Value related:	Time	Item	
		<u>Security check of personnel</u>			
		<p><u>The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified.</u></p>			
		Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries				

		Brought Forward			R
		<u>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.</u>			
106	Fixed: related:	Value related:	Time	Item	
		<u>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 photographs, except when authorised 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: related:	Value related:	Time	Item	
		<u>Implementation of labour-intensive infrastructure projects under the Expanded Public Works Program (EPWP)</u>			
		<u>The contractor shall comply with all requirements of the "Code of Good Practice for Employment and Conditions of Work for Special Public Works Programmes" issued in terms of the "Basic Conditions of Employment Act, 1997 (Act No. 75 of 1997)" and the related "Ministerial Determination", for the employment of locally employed temporary workers on a labour-intensive infrastructure project under the Expanded Public Works Programme (EPWP)</u>			
		<u>Participation goals in relation to total labour requirements and the rate of pay per task/day are included in Part C3.1 - Scope of Work</u>			
		Carried Forward			R
	Section No. 1 Bill No. 1 Preliminaries				

		Brought Forward		R
108	Fixed: related:	Value related: Time	Item	
	<p><u>The contractor shall maintain daily records with regard to the workers employed and shall on a monthly basis, submit a report to the prinipal agent in the prescribed format. Repoting templates are attached as annexures to Part C3.1 - Scope of Work.</u></p>			
	<p><u>C10 OCCUPATIONAL HEALTH AND SAFETY AC</u> <u>T</u></p>			
	<p><u>The contractor shall comply with all the requirements set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the Employer, 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, as well as the clauses that follow hereafter and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced under these clauses and no additional claims in this regard shall be entertained</u></p>			
	<p><u>C10.2 OCCUPATIONAL HEALTH AND SAFETY</u></p>			
	<p><u>Provision of reflective vests</u></p>			
109	Fixed.....	Value	Item	
	Related.....	Time		
	Related.....			
		Carried Forward		R
	<p>Section No. 1 Bill No. 1 Preliminaries</p>			

		Brought Forward		R	
		<u>C 10.3 OCCUPATIONAL HEALTH AND SAFETY</u>			
		<u>Principal contractor's initial obligations in respect of the Health and Safety Act and Construction Regulations</u>			
110	Fixed..... Value Related..... Time Related.....		Item		
		<u>C 10.4 OCCUPATIONAL HEALTH AND SAFETY</u>			
		<u>Principal contractor's time related obligations in respect of the Health and Safety Act and Construction Regulations</u>			
111	Fixed..... Value Related..... Time Related.....		Item		
		<u>C 10.5 PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE)</u>			
		<u>Provision of reflective vests</u>			
112	Fixed..... Value Related..... Time Related.....		Item		
		<u>C 10.6 PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE)</u>			
		<u>Provision of hard hats</u>			
113	Fixed..... Value Related..... Time Related.....		Item		
		<u>C 10.8 PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE)</u>			
		<u>Provision of earplugs</u>			
114	Fixed..... Value Related..... Time Related.....		Item		
		Carried Forward		R	
		Section No. 1 Bill No. 1 Preliminaries			

Brought Forward			R
<u>C 10.9 PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE)</u>			
<u>Provision of dust masks</u>			
115	Fixed..... Value Related..... Time Related.....	Item	
<u>C 10.10 PROVISION OF PERSONAL PROTECTIV E EQUIPMENT (PPE)</u>			
<u>Provision of gloves</u>			
116	Fixed..... Value Related..... Time Related.....	Item	
<u>C 10.11 PROVISION OF PERSONAL PROTECTIV E EQUIPMENT (PPE)</u>			
<u>Provision of high visibility overalls to SARTSM Chapter 13 Level 3</u>			
117	Fixed... Value Related... Time Related.....	Item	
<u>C 10.12 PROVISION OF PERSONAL PROTECTIV E EQUIPMENT (PPE)</u>			
<u>Provision of SANS approved ear defenders</u>			
118	Fixed..... Value Related..... Time Related.....	Item	
<u>C 10.15 PROVISION OF PERSONAL PROTECTIV E EQUIPMENT (PPE)</u>			
<u>Provision of gloves</u>			
119	Fixed..... Value Related..... Time Related.....	Item	
<u>C10.21 OCCUPATIONAL HEALTH AND SAFETY</u>			
Carried Forward			R
Section No. 1 Bill No. 1 Preliminaries			

	Brought Forward		R
	<u>Provision of full time construction health and safety officer (SACPCMP Registered)</u>		
120	Fixed..... Value Related..... Time Related.....	Item	
	<u>C10.22 OCCUPATIONAL HEALTH AND SAFETY</u>		
	<u>Medical certificates and medical surveillance including initial (baseline) medical examinations, periodic examinations, and exit examinations</u>		
121	Fixed..... Value Related..... Time Related.....	Item	
	<u>C 10.23 OCCUPATIONAL HEALTH AND SAFETY</u>		
	<u>Medical screenings, examinations, etc</u>		
122	Fixed..... Value Related..... Time Related.....	Item	
	<u>C 10.24 OCCUPATIONAL HEALTH AND SAFETY</u>		
	<u>Induction training</u>		
123	Fixed..... Value Related..... Time Related.....	Item	
	<u>C 10.25 OCCUPATIONAL HEALTH AND SAFETY</u>		
	<u>Provision of first aid boxes to GSR requirements</u>		
124	Fixed..... Value Related..... Time Related.....	Item	
	<u>C 10.26 OCCUPATIONAL HEALTH AND SAFETY</u>		
	Carried Forward		R
	Section No. 1 Bill No. 1 Preliminaries		

		Brought Forward			R
		<u>Noise monitoring including establishment of noise zones (plant), audiograms (personnel), etc</u>			
125	Fixed.....	Value			
	Related.....	Time			
	Related.....		Item		
		<u>C10.27 OCCUPATIONAL HEALTH AND SAFETY</u>			
		<u>Submission of health and safety file</u>			
126	Fixed.....	Value			
	Related.....	Time			
	Related.....		Item		
		<u>COVID 19 GUIDELINES</u>			
		<u>The contractor shall comply with all the requirements for Covid - 19 regulations</u>			
127	Fixed.....	Value			
	Related.....	Time			
	Related.....		Item		
		<u>C12 LOCAL LABOUR</u>			
		<u>The contractor shall comply with the following targets with regard to the employment of local labour: For the general labour force, the minimum number of people to be employed for the duration of the project will be calculated from the formula below. Number of Employees=4*[(Contract Value in Rand)/R1,000,000] .</u>			
128	Fixed.....	Value			
	Related.....	Time			
	Related.....		Item		
		<u>C 13 USE OF LOCAL SMME's</u>			
		Carried Forward			R
	Section No. 1				
	Bill No. 1				
	Preliminaries				

Brought Forward

R

It is the requirement of the employer that the contractor enhances the use of SMME's, as described in the Contract Data, on the project. The contractor shall employ SMME's as domestic subcontractors on this project to execute work to Suitable monthly reports to substantiate compliance with the above requirements shall be submitted by the contractor to the Employer. the minimum value of 30% of the contract value. The Targeted Local Labour requirements described elsewhere shall apply mutatis mutandis to the employment of SMME's. The contractor is to submit to the Employer details of his plan to achieve this aspect, within five working days of being instructed to do so, whereafter it must be implemented. Should the contractor fail to implement this requirement as indicated above, the Employer shall have the right to, without prejudice of any other rights, apply a penalty of not exceeding 5% of the contract sum.

129	Fixed.....	Value
	Related.....	Time
	Related.....	

Item

HIV/AIDS Awareness

Carried Forward

R

Section No. 1
Bill No. 1
Preliminaries

Brought Forward			R
130	<p>It is required of the contractor to thoroughly study the HIV/AIDS Specification (HIV 1 to HIV 4) of the Department of Public Works, which must be read together with and is deemed to be incorporated under this section of the Bills of Quantities. Provision for pricing of HIV/AIDS awareness is made under C13.1 to C13.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained.</p> <p>The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31 of Section 1: Preliminaries (Section A) or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delayed payment.</p> <p>The contractor's attention is drawn to paragraph 5.3 of C3.2 Specification For HIVAids Awareness - A penalty of 0.05% of Contract Sum for non-compliance can be levied.</p> <p>Fixed..... Value Related..... Time Related.....</p> <p><u>C13.1 Awareness Champion</u></p> <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>	Item	
131	<p>Fixed..... Value Related..... Time Related.....</p>	Item	
Carried Forward			R
Section No. 1 Bill No. 1 Preliminaries			

Brought Forward			R	
<u>C13.2 Awareness Workshop</u>				
Selection and appointment of a Competent Service Provider approved by the principal agent, provision of a Service Provider Workshop Planner 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.				
132	Fixed..... Value Related..... Time Related.....	Item		
<u>C13.3 Posters, Booklets, Videos, etc.</u>				
<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>				
133	Fixed..... Value Related..... Time Related.....	Item		
<u>C13.4 Access to condoms</u>				
<u>Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenish 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>				
134	Fixed..... Value Related..... Time Related.....	Item		
Carried Forward			R	
Section No. 1 Bill No. 1 Preliminaries				

Brought Forward			R
<u>C13.5 Monitoring</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, all in accordance with the HIV/AIDS Specification.			
135	Fixed..... Value Related..... Time Related.....	Item	
<u>Occupational Health and Safety Act</u>			
The contractor shall comply with all the requirements as set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)			
Provisions of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification are deemed to be priced hereunder and no additional claims in this regard shall be entertained			
136	Fixed..... Value Related..... Time Related.....	Item	
<u>C 14 USE OF LOCAL BUILDING MATERIALS</u>			
Carried Forward			R
Section No. 1 Bill No. 1 Preliminaries			

	Brought Forward		R	
	<p><u>Preference shall be given to the supply of materials produced or manufactured in the Eastern Cape Province, and provided that:(a) Such materials comply in all respects with the specific requirements of PW371-A specification(b) The availability of such materials shall not adversely affect the desired progress of the specific works(c) The use of such materials shall not constitute grounds for any claim for increased cost in respect thereof(d) Local is hereby defined as the district in which the project(s) is/are located. Suitable monthly reports to substantiate compliance with the above requirements shall be submitted by the contractor to the Employer.</u></p>			
137	<p>Fixed..... Value Related..... Time Related.....</p>	Item		
	<u>C15 REPORTING BY CONTRACTOR</u>			
	<p><u>The contractor is required to complete the mandatory monthly contractor's report which is to be submitted together with the contractor's payment certificate. Payment to contractor shall be subject to the aforementioned being submitted timeously and accurately.</u></p>			
138	<p>Fixed..... Value Related..... Time Related.....</p>	Item		
	<u>C 16 COMMUNITY LIAISON OFFICER</u>			
	<p><u>The contractor shall employ during the construction period a community liaison officer. A provisional sum has been included in C2:2: Bills of Quantities for the salary of the community liaison officer, but the contractor shall allow for all other costs related to the employment of the community liaison officer such as but not limited to, toilet facilities, office space, supervision, stationery, safety clothing, etc.</u></p>			
139	<p>Fixed..... Value Related..... Time Related.....</p>	Item		
	Carried to Final Summary		R	
	Section No. 1			
	Bill No. 1			
	Preliminaries			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 1</u>			
	<u>TEMPORARY MOBILE UNITS</u>			
	<u>PREAMBLES</u>			
	NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill			
	NOTE: Tenderers are referred to the relevant clauses in the separate documents; General Specification (PW 371-A) July 2013 and Particular Specification (PW 371B) July 2013 before pricing this bill			
	<u>MOBILE UNITS</u>			
	<u>TEMPORARY MODULAR CLASSROOMS</u>			
1	Supply, transport, complete assembly and installation of single storey SANS approved New Mobile Prefabricated classrooms (minimum size of 48m2 each) equipped firmly fixed and suspended on appropriate tripods/jacks sitting on movable concrete pads complete with corrugated roof coverings with vinyl floor finishing, steel cupboards, minimum 2No per classroom, chalk boards, pinning boards, fire extinguishers, appropriate ceilings, light fittings, matching windows and doors complete with corresponding ironmongery, steel burglars to all windows and steel security gate to all external doors, enclosure to the suspended under floor void and steel steps at all external doors and verandah supported on appropriate steel poles.	No	11	
	Carried Forward		R	
	Section No. 2 Bill No. 1 Mobile Units			

Brought Forward				R
2	Supply, transport, complete assembly and installation of single storey SANS approved New Mobile Prefabricated unit (minimum size of 48m2 each) comprising of reception and HOD office equipped firmly fixed and suspended on appropriate tripods/jacks sitting on movable concrete pads complete with corrugated roof coverings with vinyl floor finishing, steel cupboards, minimum, pinning boards, fire extinguishers, appropriate ceilings, light fittings, matching windows and doors complete with corresponding ironmongery, steel burglars to all windows and steel security gate to all external doors, enclosure to the suspended under floor void and steel steps at all external doors and verandah supported on appropriate steel poles.	No	1	
3	Supply, transport, complete assembly and installation of single storey SANS approved new mobile prefabricated dinning (minimum size of 42m2 each) comprising of a scullery, pantry, storage and preparatory area including all necessary seating, tables and serving window. The unit must be firmly fixed and suspended on appropriate tripods/jacks sitting on movable precast concrete bases complete with corrugated roof coverings with vinyl floor finishing, fire extinguishers, appropriate ceilings, light fittings, matching windows and doors complete with corresponding ironmongery, steel burglars to all windows and steel security gate to all external doors, enclosure to the suspended under floor void and steel steps at all external doors and verandah supported on appropriate steel poles.	No	1	
4	Supply, transport, complete assembly and installation of single storey SANS approved new mobile prefabricated Early Childhood Development Centre (GradeR) classrooms (minimum size of 80m2 each) comprising of classroom, storeroom and a sickroom as per the architects drawings firmly fixed and suspended on appropriate tripods/jacks sitting on movable precast concrete bases complete with corrugated roof coverings with vinyl floor finishing, steel cupboards, minimum 2No per classroom, fixed teacher desk, chalk boards, pinning boards, fire extinguishers, appropriate ceilings, light fittings, matching windows and doors complete with corresponding ironmongery, steel burglars to all windows and steel security gate to all external doors, enclosure to the suspended under floor void and steel steps at all external doors and verandah supported on appropriate steel poles.	No	1	
Carried Forward				R
Section No. 2 Bill No. 1 Mobile Units				

Brought Forward				R
5	Supply, transport, complete assembly and installation of single storey SANS approved new mobile prefabricated open plan staffroom (minimum size of 42m2 each) firmly fixed and suspended on appropriate tripods/jacks sitting on movable precast concrete bases complete with corrugated roof coverings with vinyl floor finishing, steel cupboards, minimum, chalk boards, pinning boards, fire extinguishers, appropriate ceilings, light fittings, matching windows and doors complete with corresponding ironmongery, steel burglars to all windows and steel security gate to all external doors, enclosure to the suspended under floor void and steel steps at all external doors and verandah supported on appropriate steel poles.	No	1	
6	Supply, transport, complete assembly and installation of single storey SANS approved new mobile prefabricated boys and girls Grade R learner ablutions (minimum size of 18m2 each) comprising of 2 WCs, 2 WHBs and 1 Urinal. Unit to be firmly fixed and suspended on appropriate tripods/jacks sitting on movable precast concrete bases complete with corrugated roof coverings with vinyl floor finishing, steel cupboards, minimum, chalk boards, fire extinguishers, appropriate ceilings, light fittings, matching windows and doors complete with corresponding ironmongery, steel burglars to all windows and steel security gate to all external doors, enclosure to the suspended under floor void and steel steps at all external doors and verandah supported on appropriate steel poles.	No	1	
Carried Forward				R
Section No. 2 Bill No. 1 Mobile Units				

	Brought Forward		R	
7	<p>Supply, transport, complete assembly and installation of single storey SANS approved new mobile prefabricated Staff ablution, Disabled ablution, boys and girls learner ablutions (minimum size of 36m2 each) comprising of 7 WCs, 5 WHBs and 2 Urinal. Unit to be firmly fixed and suspended on appropriate tripods/jacks sitting on movable precast concrete bases complete with corrugated roof coverings with vinyl floor finishing, steel cupboards, minimum, chalk boards, fire extinguishers, appropriate ceilings, light fittings, matching windows and doors complete with corresponding ironmongery, steel burglars to all windows and steel security gate to all external doors, enclosure to the suspended under floor void and steel steps at all external doors and verandah supported on appropriate steel poles,</p>	No	1	
	<p>Section No. 2 Bill No. 1 Mobile Units</p>		R	

Carried to Final Summary

Item No	Quantity	Rate	Amount
<u>SECTION 3</u>			
<u>BILL NO. 1</u>			
<u>PREAMBLES</u>			
<p><u>NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill</u></p>			
<p><u>NOTE: Tenderers are referred to the relevant clauses in the separate documents; General Specification (PW 371-A) July 2013 and Particular Specification (PW 371B) July 2013 before pricing this bill</u></p>			
<u>GENERAL SITE WORKS (PROVISIONAL)</u>			
<p>NOTE : Unless otherwise stated herein all items in this bill shall be deemed to fall into Work Group No. 104 for Haylett Formula purposes</p>			
<p>NOTE : All excavations are measured as being in "earth" and/or filling compacted to 98% modified AASHTO density. Descriptions of excavations shall be deemed to include for setting aside surplus excavated material in spoil heaps for use as filling or for depositing within 150m of the perimeter of the excavations and spreading and roughly levelling as directed, as well as for increase in bulk and multiple handling of excavated material caused by the contractor's method of operation. Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site and for bulking.</p>			
<u>Supplementary Preambles</u>			
<p>Labour Intensive methods (LI)</p>			
<p>The contractor will be required to use labour intensive methods for the items which have been marked with the letters LI as described in the Scope of Work.</p>			
Carried Forward		R	
<p>Section No. 3 Bill No. 1 Site Works</p>			

Brought Forward			R
<u>EARTHWORKS IN MOBILE UNITS</u>			
<u>SITE CLEARANCE</u>			
1	Clear the whole area of the site to be built upon including the removal of small shrubs and trees with a trunk not exceeding 200mm girth measured 1m above ground level	m2	2,550
	<u>Digging up topsoil</u>		
2	Stripping average 200 mm thick layer of top soil and depositing material in prescribed stockpiles on site	m3	47
<u>EXCAVATION, FILLING, ETC</u>			
<u>Excavation in earth not exceeding 2m deep:</u>			
3	Holes.	m3	4
	<u>Extra over all excavations for carting away</u>		
4	Extra over all excavations for carting away surplus material from excavations and/or stockpile on site to a dumping site to be located by the Contractor	m3	47
	<u>Keeping excavations free of water</u>		
5	Allow for keeping excavations free of all water other than subterranean water		Item
<u>Compaction of surfaces</u>			
6	Compaction of ground surface under floors, trenches, etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density	m2	190
<u>Soil insecticide under a 10 year guarantee by firm of specialist</u>			
7	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	190
Carried Forward			R
Section No. 3 Bill No. 1 Site Works			

Brought Forward			R
<u>FILLING</u>			
8	150mm G7 material in 150mm layers imported from commercial sources and compacted to 95% modified AASHTO density	m3	161
<u>Tests</u>			
9	Tests to determine the degree of compaction, etc. of ground or filling	No	10
<u>UNREINFORCED CONCRETE</u>			
<u>15MPa/19mm concrete "LI"</u>			
10	In holes	m3	5
<u>REINFORCED CONCRETE</u>			
<u>25MPa/19mm concrete "LI"</u>			
11	In surface bed in verandah	m3	38
<u>REINFORCEMENT (PROVISIONAL)</u>			
<u>Fabric reinforcement:</u>			
12	REF. 245 fabric reinforcement in concrete surface beds, slabs, etc.	m2	190
<u>CONCRETE SUNDRIES</u>			
<u>Finishing top surfaces of concrete smooth with a wood float including non-slip brush finish</u>			
13	Wood float	m2	190
<u>CONCRETE TESTS</u>			
<u>Test blocks:</u>			
14	Making and testing set of three 150x150x150mm concrete strength test cubes (Provisional).	No	7
<u>SMOOTH FORMWORK (DEGREE OF ACCURACY I)</u>			
Carried Forward			R
Section No. 3 Bill No. 1 Site Works			

	Brought Forward			R
	<u>Rough Formwork to Sides:</u>			
15	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	275	
	<u>MOVEMENT JOINTS ETC</u>			
	<u>"Sondor" or similar approved expansion joints with tear-off strip seal 10 x 10mm with Sikaflex-Pro 2HP between concrete and brick surfaces</u>			
16	10mm isolation joints not exceeding 300mm high	m	45	
	<u>DAMPPROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 250 micron 'Consol Plastics Gunplas Green' waterproof sheeting sealed at laps with 'Gunplas Pressure Sensitive Tape':</u>			
17	Under surface beds.	m2	190	
	<u>SECURITY FENCE "LI"</u>			
	<u>SITE CLEARANCE</u>			
18	Make provision for clearing site under fence for at least one metre on both sides, fill all holes and gaps thereunder with approved earth filling and ram	m	222	
	<u>EXCAVATION, FILLING, ETC.)</u>			
	<u>Excavation in earth not exceeding 2m deep "LI"</u>			
19	Holes, etc.	m3	10	
	<u>Mass concrete cast against excavated surfaces</u>			
	<u>Mass concrete with a coarse aggregate of 19mm and a minimum compressive strength of 15MPa at 28 days: "LI"</u>			
20	In posts	m3	4	
	<u>Fencing and gates</u>			
	Carried Forward			R
	Section No. 3			
	Bill No. 1			
	Site Works			

Brought Forward			R
<u>The posts shall be Polymetic 6000 coated. The mesh shall be pre-galvanised and coated with alu-galv epoxy</u>			
21	85 x 85mm Mild steel posts hot dip galvanised with and including moisture proof cap on top end and 70 x 70 x 6 mm MS plate welded to bottom end in mortar filled cavity and cast into concrete footing (elsewhere measured) 2 400 mm long (no step)	No	85
22	High density anti-climbing and anti-cut pressed mesh panel fencing 2100mm high, formed of 4mm diameter horizontal and 4mm diameter vertical high tensile wires galvanised with marine fusion bond coating colour green/black/blue, etc. with aperture size 76.2 x 12.7mm and reinforcing V-section ribs, bolted with vandal resistant bolts and clamping plates to 85-45mm taper locking post 2100mm high including locking recess mechanism at 3382mm centres with sealed end caps and 30 x 3mm 250mm long angle section base anchors with posts bedded in 15MPa concrete bases size 400 x 400 x 600mm deep complete with shark tooth spikes at the top	m	222
23	Single leaf pedestrian gate size 900 x 2 400mm high overall formed as manufacturer's standard specification with mesh infill pre-galvanised and polymetic 6000 coating to other components and including hinges, drop bolts, locking mechanisms, etc	No	1
24	Single leaf vehicle gate size 6000 x 2 400mm high overall formed as manufacturer's standard specification with mesh infill pre-galvanised and polymetic 6000 coating to other components and including hinges, drop bolts, locking mechanisms, etc	No	1
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 1			
Site Works			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 2</u>			
	<u>PREAMBLES</u>			
	NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill			
	NOTE: Tenderers are referred to the relevant clauses in the separate documents; General Specification (PW 371-A) July 2013 and Particular Specification (PW 371B) July 2013 before pricing this bill			
	<u>STORMWATER DRAINAGE AND WATER SUPPLY "LI"</u>			
	NOTE : Unless otherwise stated herein all items in this bill shall be deemed to fall into Work Group No. 146 for Haylett Formula purposes.			
	NOTE : All excavations are measured as being in "earth" and/or filling compacted to 98% modified AASHTO density.			
	<u>Supplementary Preambles</u>			
	Labour Intensive methods (LI)			
	The contractor will be required to use labour intensive methods for the items which have been marked with the letters LI as described in the Scope of Work.			
	<u>OPEN STORMWATER DRAINAGE</u>			
	<u>Earthworks</u>			
1	Excavate in all materials to spoil to site furnished by contractor	m3	83	
2	Compact surface of trapezoidal drain with 3 passes of a 500kg roller	m2	165	
	Carried Forward		R	
	Section No. 3 Bill No. 2 Stormwater			

Brought Forward			R
<u>Install 25MPa concrete paving block lining to open 3m trapezoidal-drain</u>			
3	60mm thick grey class 25 paving bricks	m2	165
4	Pre cast edge restraint with 20MPa concrete.	m3	21
5	Precast concrete mountable kerbing to SABS 927 Fig. 8 in 1000mm lengths with 10mm wide butt joints filled in with (2:1) cement mortar and pointed with grooved half round joints and 10mm wide open butt joints at 5000mm centres including 15MPa/19mm mass concrete bedding size 50mm thick x 300mm wide, any necessary excavation, formwork, etc. and backfilling at front of kerbs	m	330
6	Contractor to allow for the connection to existing water supply including reticulation to toilets, drinking fountain, etc.. All prices to include all required testing. Contractor to allow for the provision and installation of storage rain water tanks, tank stands, etc.	Item	450,000.00
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 2			
Stormwater			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 3</u>			
	<u>PREAMBLES</u>			
	NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill			
	NOTE: Tenderers are referred to the relevant clauses in the separate documents; General Specification (PW 371-A) July 2013 and Particular Specification (PW 371B) July 2013 before pricing this bill			
	<u>PARKING AND PAVING - LABOUR INTENSIVE</u>			
	NOTE : All excavations are measured as being in "earth" and/or filling compacted to 98% modified AASHTO density.			
	<u>Supplementary Preambles</u>			
	Labour Intensive methods (LI)			
	The contractor will be required to use labour intensive methods for the items which have been marked with the letters LI as described in the Scope of Work.			
	<u>EARTHWORKS "LI"</u>			
	<u>SITE CLEARANCE</u>			
1	Clear the whole area of the site to be built upon including the removal of small shrubs and trees with a trunk not exceeding 200mm girth measured 1m above ground level	m2	510	
	<u>Digging up topsoil</u>			
2	Open face excavations in earth to reduced levels	m3	153	
	Carried Forward		R	
	Section No. 3 Bill No. 3 Paving			

Brought Forward			R
3	Extra over open face excavations in earth for excavations in soft rock	m3	15
4	Extra over open face excavations in earth for excavations in hard rock	m3	8
	<u>Extra over all excavations for carting away</u>		
5	Extra over all excavations for carting away surplus material from excavations and/or stockpile on site to a dumping site to be located by the Contractor	m3	153
	<u>KEEPING EXCAVATIONS FREE OF WATER</u>		
6	Allow for keeping excavations free of all water other than subterranean water		Item
	<u>FILLING</u>		
7	Prepare ground surface by ripping insitu material of 150mm layer of ground and re-compact to 93% modified AASHTO density	m3	84
8	Filling to make up levels with imported material, G6, compacted to 95 MOD AASHTO Density	m3	168
9	20mm thick layer clean, dry, rivers and layer treated with an approved weed killer at the rate of 50 gram per square metre, spread and levelled to receive paving blocks (elsewhere)	m2	560
	<u>Compaction of surfaces</u>		
10	Compaction of ground surface under pavings, etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compact to 93% modified AASHTO density	m2	560
	<u>Tests</u>		
11	Tests to determine the degree of compaction, etc. of ground or filling	No	20
	Carried Forward		R
Section No. 3 Bill No. 3 Paving			

Brought Forward			R
<u>PRECAST CONCRETE "LI"</u>			
12	80mm thick S-A (Type A) paving blocks laid in herringbone pattern to falls on sand layer (elsewhere) with joints filled in with sand including all straight cutting	m2	270
13	60mm thick S-A (Type A) paving blocks laid in herringbone pattern to falls on sand layer (elsewhere) with joints filled in with sand including all straight cutting	m2	305
14	Precast concrete mountable kerbing to SABS 927 Fig. 8 in 1000mm lengths with 10mm wide butt joints filled in with (2:1) cement mortar and pointed with grooved half round joints and 10mm wide open butt joints at 5000mm centres including 15MPa/19mm mass concrete bedding size 50mm thick x 300mm wide, any necessary excavation, formwork, etc. and backfilling at front of kerbs	m	158
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 3			
Paving			

SECTION SUMMARY - External Works				Amount
Bill No		Page No		
1	Site Works	38		
2	Stormwater	40		
3	Paving	43		
Section No. 3				
Carried to Final Summary			R	

Item No	Quantity	Rate	Amount
<u>SECTION 5</u>			
<u>BILL NO. 1</u>			
<u>PROVISIONAL SUMS</u>			
NOTE: The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.			
<u>The Contractor shall allow for profit and attendance after each Provisional Sum. Where no allowance has been made by the Contractor, it shall be assumed the allowance shall have been included elsewhere in the rates for other works.</u>			
<u>The following Provisional Sums are to be spent as directed by the Project Manager or deducted in whole or in part if not required</u>			
<u>Electrical Installations</u>			
1	Item		780,000.00
		%	
		%	
<u>Community Liaison Officer</u>			
2	Item		49,000.00
		%	
		%	
<u>Graduate Trainee</u>			
3	Item		98,000.00
		%	
Carried Forward			R
Section No. 4 Bill No. 1 Provisional Sums			

[illegible]