

Item No		Quantity	Rate	Amount
	<p><u>SECTION 1</u></p> <p><u>BILL NO. 1</u></p> <p><u>PRELIMINARIES</u></p> <p><u>MEANING OF TERMS "TENDER / TENDERER"</u></p> <p><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></p> <p><u>PRELIMINARIES</u></p> <p><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></p> <p><u>PRICING OF PRELIMINARIES</u></p> <p><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.</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> <p><u>DEFINITIONS AND INTERPRETATION</u></p>			
	Carried Forward		R	
	<p>Section No. 1 Preliminary & Generals Bill No. 1 Preliminary and Generals</p>			

		Brought Forward		R
	<u>Clause 16.0</u>			
1/1/16	Fixed: _____ Value related: _____ Time related: _____		Item	
	<u>CONTRACT INSTRUCTIONS</u>			
	<u>Clause 17.0</u>			
1/1/17	Fixed: _____ Value related: _____ Time related: _____		Item	
	<u>SETTING OUT OF THE WORKS</u>			
	<u>Clause 18.0</u>			
1/1/18	Fixed: _____ Value related: _____ Time related: _____		Item	
	<u>ASSIGNMENT</u>			
	<u>Clause 19.0</u>			
1/1/19	Fixed: _____ Value related: _____ Time related: _____		Item	
	<u>NOMINATED SUBCONTRACTORS</u>			
	<u>Clause 20.0</u>			
1/1/20	Fixed: _____ Value related: _____ Time related: _____		Item	
	<u>SELECTED SUBCONTRACTORS</u>			
	<u>Clause 21.0</u>			
1/1/21	Fixed: _____ Value related: _____ Time related: _____		Item	
	<u>EMPLOYER'S DIRECT CONTRACTORS</u>			
	<u>Clause 22.0</u>			
1/1/22	Fixed: _____ Value related: _____ Time related: _____		Item	
	<u>CONTRACTOR'S DOMESTIC SUBCONTRACTORS</u>			
	<u>Clause 23.0</u>			
1/1/23	Fixed: _____ Value related: _____ Time related: _____		Item	
	<u>COMPLETION</u>			
		Carried Forward		R
	Section No. 1 Preliminary & Generals Bill No. 1 Preliminary and Generals			

		Brought Forward		R
<u>PRACTICAL COMPLETION</u>				
<u>Clause 24.0</u>				
1/1/24	Fixed: _____ Value related: _____ Time related: _____		Item	
<u>WORKS COMPLETION</u>				
<u>Clause 25.0</u>				
1/1/25	Fixed: _____ Value related: _____ Time related: _____		Item	
<u>FINAL COMPLETION</u>				
<u>Clause 26.0</u>				
1/1/26	Fixed: _____ Value related: _____ Time related: _____		Item	
<u>LATENT DEFECTS LIABILITY PERIOD</u>				
<u>Clause 27.0</u>				
1/1/27	Fixed: _____ Value related: _____ Time related: _____		Item	
<u>SECTIONAL COMPLETION</u>				
<u>Clause 28.0</u>				
1/1/28	Fixed: _____ Value related: _____ Time related: _____		Item	
<u>REVISION OF DATE FOR PRACTICAL COMPLETION</u>				
<u>Clause 29.0</u>				
1/1/29	Fixed: _____ Value related: _____ Time related: _____		Item	
<u>PENALTY FOR NON-COMPLETION</u>				
<u>Clause 30.0</u>				
1/1/30	Fixed: _____ Value related: _____ Time related: _____		Item	
<u>PAYMENT</u>				
<u>INTERIM PAYMENT TO THE CONTRACTOR</u>				
		Carried Forward		R
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Brought Forward		R
1/1/31	<u>Clause 31.0</u> Fixed: _____ Value related: _____ Time related: _____	Item
<u>ADJUSTMENT TO THE CONTRACT VALUE</u>		
1/1/32	<u>Clause 32.0</u> Fixed: _____ Value related: _____ Time related: _____	Item
<u>RECOVERY OF EXPENSE AND LOSS</u>		
1/1/33	<u>Clause 33.0</u> Fixed: _____ Value related: _____ Time related: _____	Item
<u>FINAL ACCOUNT AND FINAL PAYMENT</u>		
1/1/34	<u>Clause 34.0</u> Fixed: _____ Value related: _____ Time related: _____	Item
<u>PAYMENT TO OTHER PARTIES</u>		
1/1/35	<u>Clause 35.0</u> Fixed: _____ Value related: _____ Time related: _____	Item
<u>CANCELLATION</u>		
<u>CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT</u>		
1/1/36	<u>Clause 36.0</u> Fixed: _____ Value related: _____ Time related: _____	Item
<u>CANCELLATION BY EMPLOYER - LOSS AND DAMAGE</u>		
1/1/37	<u>Clause 37.0</u> Fixed: _____ Value related: _____ Time related: _____	Item
<u>CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT</u>		
1/1/38	<u>Clause 38.0</u> Fixed: _____ Value related: _____ Time related: _____	Item
Carried Forward		R
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Brought Forward		R
<u>CANCELLATION - CESSATION OF THE WORKS</u>		
<u>Clause 39.0</u>		
1/1/39	Fixed: _____ Value related: _____ Time related: _____	Item
<u>DISPUTE</u>		
<u>DISPUTE SETTLEMENT</u>		
<u>Clause 40.0</u>		
1/1/40	Fixed: _____ Value related: _____ Time related: _____	Item
<u>SUBSTITUTE PROVISIONS</u>		
<u>STATE CLAUSES</u>		
<u>Clause 41.0</u>		
1/1/41	Fixed: _____ Value related: _____ Time related: _____	Item
<u>CONTRACT VARIABLES</u>		
<u>SCHEDULE OF VARIABLES</u>		
<u>Clause 42.0</u>		
1/1/42	Fixed: _____ Value related: _____ Time related: _____	Item
<u>Tenderers are referred to Part C1.2 Contract Data for variables pertaining to this contract</u>		
<u>SECTION B: JBCC PRELIMINARIES</u>		
<u>DEFINITIONS AND INTERPRETATION (B1)</u>		
<u>Definitions and interpretation</u>		
1/1/43	Fixed: _____ Value related: _____ Time related: _____	Item
<u>DOCUMENTS (B2)</u>		
<u>Checking of documents</u>		
1/1/44	Fixed: _____ Value related: _____ Time related: _____	Item
Carried Forward		R
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Brought Forward		R
	<u>Provisional bills of quantities</u>	
1/1/45	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>Availability of construction documentation</u>	
1/1/46	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>Interests of agents</u>	
	<u>See Schedule of Variables (B12)</u>	
1/1/47	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>Priced documents</u>	
	<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>	
	<u>Rates (items)</u>	
	<u>Where appropriate, rates for similar items in the various sections of these bills of quantities should be the same</u>	
1/1/48	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>Tender submission</u>	
	<u>This clause is amended by substituting "JBCC Form of Tender" with "Official Form of Tender":</u>	
1/1/49	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>THE SITE (B3)</u>	
	<u>Defined works area</u>	
1/1/50	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>Geotechnical investigation</u>	
1/1/51	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>Inspection of the site</u>	
1/1/52	Fixed: _____ Value related: _____ Time related: _____	Item
	Carried Forward	R
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Brought Forward		R
	<u>Existing premises occupied</u>	
1/1/53	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>Previous work - dimensional accuracy</u>	
1/1/54	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>Previous work - defects</u>	
1/1/55	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>Services - known</u>	
1/1/56	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>Services - unknown</u>	
1/1/57	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>Protection of trees</u>	
1/1/58	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>Articles of value</u>	
1/1/59	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>Inspection of adjoining properties</u>	
	<u>See Schedule of Variables (B12)</u>	
1/1/60	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>MANAGEMENT OF CONTRACT (B4)</u>	
	<u>Management of the Works</u>	
	<u>The Contractor shall obtain all necessary particulars of Subcontractors' work timeously so that provision for recesses, chases, holes, etc. can be made</u>	
1/1/61	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>Programme for the Works</u>	
1/1/62	Fixed: _____ Value related: _____ Time related: _____	Item
	Carried Forward	R
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Brought Forward			R
	<u>Progress meetings</u>		
1/1/63	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>Technical meetings</u>		
1/1/64	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>Labour and plant records</u>		
1/1/65	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>SAMPLES, SHOP DRAWINGS AND MANUFACTURER'S INSTRUCTIONS (B5)</u>		
	<u>Samples of materials</u>		
1/1/66	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>Workmanship samples</u>		
1/1/67	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>Shop drawings</u>		
1/1/68	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>Compliance with manufacturer's instructions</u>		
1/1/69	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>TEMPORARY WORKS AND PLANT (B6)</u>		
	<u>Deposits and fees (B6.1)</u>		
1/1/70	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>Enclosure of the works (B6.2)</u>		
1/1/71	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>Advertising (B6.3)</u>		
	<u>Advertisements on the hoarding or elsewhere on the site will be allowed, subject to the written approval of the Principal Agent</u>		
1/1/72	Fixed: _____ Value related: _____ Time related: _____	Item	
	Carried Forward		R
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Brought Forward		R
<u>Plant, equipment, sheds and offices (B6.4)</u>		
<u>In addition to the provisions of sub-clause B6.4.1, scaffolding shall not be permitted to be erected from buildings on adjacent sites</u>		
1/1/73	Fixed: _____ Value related: _____ Time related: _____	Item
<u>Main noticeboard (B6.5)</u>		
1/1/74	Fixed: _____ Value related: _____ Time related: _____	Item
<u>Subcontractors' noticeboard (B6.6)</u>		
1/1/75	Fixed: _____ Value related: _____ Time related: _____	Item
<u>TEMPORARY SERVICES (B7)</u>		
<u>Location</u>		
1/1/76	Fixed: _____ Value related: _____ Time related: _____	Item
<u>Water</u>		
1/1/77	Fixed: _____ Value related: _____ Time related: _____	Item
<u>Electricity</u>		
1/1/78	Fixed: _____ Value related: _____ Time related: _____	Item
<u>Telecommunication facilities</u>		
1/1/79	Fixed: _____ Value related: _____ Time related: _____	Item
<u>Ablution facilities</u>		
1/1/80	Fixed: _____ Value related: _____ Time related: _____	Item
<u>PRIME COST AMOUNTS (B8)</u>		
<u>Responsibility for prime cost amounts</u>		
1/1/81	Fixed: _____ Value related: _____ Time related: _____	Item
<u>ATTENDANCE ON NOMINATED SUBCONTRACTORS (B9)</u>		
<u>General attendance</u>		
Carried Forward		R
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Brought Forward		R
<p><u>In addition to the provisions of clause B9.1, the Contractor shall, at his own expense, provide the following additional general attendance:</u></p>		
<p><u>Make good after Nominated Subcontractors</u></p>		
1/1/82	Fixed: _____ Value related: _____ Time related: _____	Item
<p><u>Special attendance</u></p>		
1/1/83	Fixed: _____ Value related: _____ Time related: _____	Item
<p><u>Commissioning - fuel, water and electricity</u></p>		
1/1/84	Fixed: _____ Value related: _____ Time related: _____	Item
<p><u>FINANCIAL ASPECTS (B10)</u></p>		
<p><u>Statutory taxes, duties and levies</u></p>		
<p><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></p>		
1/1/85	Fixed: _____ Value related: _____ Time related: _____	Item
<p><u>Payment of preliminaries</u></p>		
1/1/86	Fixed: _____ Value related: _____ Time related: _____	Item
<p><u>Adjustment of preliminaries (B10.3)</u></p>		
1/1/87	Fixed: _____ Value related: _____ Time related: _____	Item
<p><u>Payment certificate cash flow (B10.4)</u></p>		
1/1/88	Fixed: _____ Value related: _____ Time related: _____	Item
<p><u>GENERAL (B11)</u></p>		
<p><u>Protection of the Works (B11.1)</u></p>		
1/1/89	Fixed: _____ Value related: _____ Time related: _____	Item
Carried Forward		R
<p>Section No. 1 Preliminary & Generals Bill No. 1 Preliminary and Generals</p>		

Brought Forward		R
	<u>Protection/isolation of existing/sectionally occupied Works (B11.2)</u>	
1/1/90	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>Security of the works (B11.3)</u>	
1/1/91	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>Notice before covering work (B11.4)</u>	
1/1/92	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>Disturbance (B11.5)</u>	
1/1/93	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>Environmental disturbance (B11.6)</u>	
1/1/94	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>Works cleaning and clearing (B11.7)</u>	
1/1/95	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>Vermin (B11.8)</u>	
1/1/96	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>Overhand work (B11.9)</u>	
	Fixed: _____ Value related: _____ Time related: _____	
	<u>Instruction manuals and guarantees (B11.10)</u>	
1/1/97	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>As built information (B11.11)</u>	
1/1/98	Fixed: _____ Value related: _____ Time related: _____	Item
	<u>Tenant installations (B11.12)</u>	
1/1/99	Fixed: _____ Value related: _____ Time related: _____	Item
	Carried Forward	R
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Brought Forward

R

SECTION C: SPECIFIC PRELIMINARIES

(Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item

Contract drawings

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.

1/1/100 Fixed: _____ Value related: _____ Time related: _____

Item

Preambles

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.

1/1/101 Fixed: _____ Value related: _____ Time related: _____

Item

Trade Names

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 to the closing date for submission of Bids.

If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been Bidded for.

1/1/102 Fixed: _____ Value related: _____ Time related: _____

Item

Imported Material and Equipment

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)

Carried Forward

R

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Brought Forward		R
1/1/103	<p>Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provision (CPAP) if applicable.</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>Existing premises occupied</u></p> <p>Refer to Scope of works Part C3 of this Bid Document for information on the occupation of existing buildings.</p>	Item
1/1/104	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>Inaccurate and defective work executed under a previous contract</u></p> <p>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.</p> <p>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.</p>	Item
1/1/105	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>Viewing the Site in security areas</u></p> <p>If the site is situated in a security area then the Bidder must arrange with the Authorities to obtain permission to enter the site for Bidding purposes.</p>	Item
1/1/106	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>Commencement of Works in security areas</u></p> <p>If the works falls within a security area, the contractor must arrange with the responsible 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.</p>	Item
1/1/107	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>Entrance permits to security areas</u></p>	Item
Carried Forward		R
<p>Section No. 1 Preliminary & Generals Bill No. 1 Preliminary and Generals</p>		

Brought Forward		R
1/1/108	<p>If the works fall within a security area, the contractor shall obtain <u>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> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>Security check of personnel</u></p> <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> <p><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></p>	Item
1/1/109	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>Prohibition on taking of photographs</u></p> <p><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></p> <p><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></p>	Item
1/1/110	<p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>Implementation of labour-intensive infrastructure projects under the Expanded Public Works Program (EPWP)</u></p> <p><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></p> <p><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></p>	Item
Carried Forward		R
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Brought Forward

R

The contractor shall maintain daily records with regard to the workers employed and shall on a monthly basis, submit a report to the principal agent in the prescribed format. Reporting templates are attached as annexures to Part C3.1 - Scope of Work.

1/1/111

Fixed: _____ Value related: _____ Time related: _____

Item

HIV/AIDS Awareness

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.

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.

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.

C13.1 Awareness Champion

Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification.

1/1/112

Fixed: _____ Value related: _____ Time related: _____

Item

C13.2 Awareness Workshop

Carried Forward

R

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R

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.

1/1/113 Fixed: _____ Value related: _____ Time related: _____

Item

C13.3 Posters, Booklets, Videos, etc.

Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period, all in accordance with the HIV/AIDS Specification.

1/1/114 Fixed: _____ Value related: _____ Time related: _____

Item

C13.4 Access to condoms

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.

1/1/115 Fixed: _____ Value related: _____ Time related: _____

Item

C13.5 Monitoring

Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period, all in accordance with the HIV/AIDS Specification.

1/1/116 Fixed: _____ Value related: _____ Time related: _____

Item

Occupational Health and Safety Act

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)

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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

1/1/117

Fixed: _____ Value related: _____ Time related: _____

Item

R

Carried to Final Summary

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R

Item No	Quantity	Rate	Amount
<p><u>SECTION 2</u></p> <p><u>BILL NO. 1</u></p> <p><u>DEMOLITIONS</u></p> <p><u>PREAMBLES</u></p> <p>Note : 1. The tenderer is advised to refer to the Model Preambles before pricing this Bill 2. The tenderer is advised to study the (GP ASC Rev 0) (General specification of materials and methods to be used for building contracts) before pricing this bill. The tenderers prices will be deemed to include for any such associated work.</p> <p>NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 102 for CPAP formula purposes.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View the site</u></p> <p><u>Before submitting his tender the contractor 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>Nature of ground</u></p> <p>Use "assumed to be" if no trial holes, soils investigations, etc have been carried out - discuss with engineer. Use "Trial holes indicate that" where the ground has been investigated by means of trial holes</p> <p><u>Nature of ground</u></p> <p>A soils investigation has been carried out on site by the engineer and the report is annexed to these bills of quantities. Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" described in the above report and where conditions of a more difficult character are indicated these are separately measured</p>			
<p>Carried Forward</p>			<p>R</p>
<p>Section No. 2 Building Works Bill No. 1 Demolitions and Alterations</p>			

Brought Forward

R

Carting away of excavated material

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

GENERAL

The contractor shall carry out the whole of the work with as little mess and noise as possible and with a minimum of disturbance to adjoining premises and their tenants. He shall provide proper protection and provide and erect any temporary tarpaulins and temporary plumbing that may be necessary during the progress of the works, all to the satisfaction of the Architect, and remove when directed.

Any water supplies pipes and other piping that may be met with and found necessary to disconnect or cut, shall be effectually stopped or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the Architect.

Doors, fanlights, fittings, frames, linings, etc shall be thoroughly overhauled before re-fixing including taking off, easing and rehangng, cramping up, re-wedging as required and making good cramps, dowels, etc and easing, oiling, adjusting and repairing ironmongery if necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted wood to match timber.

Where doors, windows, etc are described as taken out this shall be understood to include for removal of all beads, architraves, ironmongery, etc and doors which are re-fixed are to be provided with new architraves (elsewhere measured).

Prices for taking out and removing doors and frames shall include for removing door stops, cabin locks, etc and making good to match existing.

With regard to building up openings in existing walls, cement screeds and pavings, granolithic, etc, shall be levelled and prepared for raising of brickwork.

Allow for making good all existing plastered walls where damaged by furniture, etc, and stopping up all screw and holes before painting.

Carried Forward

R

Section No. 2
Building Works
Bill No. 1
Demolitions and Alterations

Brought Forward		R
<u>Making good finishes shall be deemed to include making good of the brick and concrete surfaces onto which new finishes are applied, where necessary.</u>		
<u>The contractor will be required to take all dimensions affecting existing building on the site and he will be held solely responsible for the accuracy of all such dimensions.</u>		
<u>REMOVAL OF EXISTING WORK</u>		
<u>Taking out and removing doors, windows, etc including thresholds, sills, etc and building up openings in brick walls including making good face brickwork on one side and cement plaster on other side (making good paintwork elsewhere) :</u>		
2/1/1	Timber single door and steel frame size 813 x 2032mm on one brick wall (Remove carefully for re-use)	No 2
2/1/2	Aluminium double door and frame size 1620 x 2032mm high on one brickwall	No 2
<u>Taking out/off and removing sundry metalwork</u>		
2/1/3	Window steel burglar bars for windows	m2 19
<u>Take out and remove existing door and window furniture, etc from wooden doors and steel windows to be replaced with new:</u>		
2/1/4	Window handles	No 3
2/1/5	Window sliding stays	No 3
2/1/6	Window peg stays	No 3
<u>Hacking off the existing floor and wall tiles, etc, including cleaning up and preparing surfaces to receive new</u>		
2/1/7	Carpets	m2 106
2/1/8	Tiling	m2 67
<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc</u>		
2/1/9	25mm Screed from floors	m2 106
2/1/10	Internal plaster from walls and columns	m2 136
Carried Forward		R
Section No. 2 Building Works Bill No. 1 Demolitions and Alterations		

Brought Forward		R
<u>Cleaning facebrick wall surfaces</u>		
2/1/11	Clean and wash existing face brick by diluting 1 Litre hydrochloric acid with 10L warm water and rinse clean with clean water all face brickwork walls.	m2 168
<u>Demolishing, removal and dispose off site</u>		
2/1/12	One brick walls	m2 32
<u>Taking out and removing glass and mirrors</u>		
2/1/13	Glass from steel windows including cleaning out rebates and preparing for new glass	m2 19
2/1/14	Mirror size, 600 x 900mm high	No 3
<u>Air conditioning units</u>		
2/1/15	Dropping of air conditioning units to the ceiling level	No 2
<u>Take out and remove sundry plumbing work and blocking existing water supply and waste drainage pipes</u>		
2/1/16	Wash hand basins including water supply pipes and drainage facilities	No 1
2/1/17	WC's including water supply pipes drainage facilities	No 1
2/1/18	Shower set complete	No 1
<u>DECOMMISSIONING</u>		
2/1/19	Decomission all sewer and waste pipes	SUM
<u>TEMPORARY BARRIERS, SCREENS ETC</u>		
2/1/20	Dust screen 2100mm high formed of suitable timber framing with 250 micron polyethylene sheeting stapled on including corners, ends, etc	m 50
Carried Forward to Summary of Section No. 2		R
Section No. 2 Building Works Bill No. 1 Demolitions and Alterations		

Item No		Unit	Quantity	Rate	Amount
	<p><u>SECTION 2</u></p> <p><u>BILL NO 2</u></p> <p><u>MASONRY</u></p> <p><u>PREAMBLES</u></p> <p>For Preambles refer to "Model Preambles for Trade 1999"</p> <p>NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 118 for CPAP formula purposes.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the architect</p> <p><u>BRICKWORK</u></p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><u>Hollow walls, etc</u></p> <p>Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole</p> <p>Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brixeal" bitumen emulsion waterproofing coating</p> <p><u>Brick reinforcement</u></p> <p>Descriptions of brickwork shall be deemed to include for steel reinforcing fabric as specified every fourth course in superstructure and every course in foundations</p>				
	Carried Forward				R
	<p>Section No. 2 Building Works Bill No. 2 Masonry</p>				

	Brought Forward			R
	Additional bar reinforcement in lintels, etc is measured separately billed in kilogram (kg), not in ton (t). Rates for header course brickwork in lintels, etc shall include for threading face bricks over bar reinforcement and grouting holes up solidly			
	<u>FACE BRICKWORK</u>			
	The type and colouring of face bricks used in foundations up to plinth height shall differ from that used in super structure			
	Bricks shall be ordered timeously to obtain uniformity in size and colour			
	<u>Pointing</u>			
	Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc			
	<u>SAMPLES</u>			
	Samples of all masonry building units, except those for walls described as "load bearing", shall consist of a minimum of 6 units. Samples of building units to be used in walls described as "load bearing" shall consist of 30 units from every 30 000 units delivered to site			
	<u>BRICKWORK IN SUPERSTRUCTURE</u>			
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u>			
2/2/1	One brick walls	m2	26	
	<u>BRICKWORK SUNDRIES</u>			
	<u>Brickwork reinforcement</u>			
2/2/2	150mm wide reinforcement built in horizontally	m	102	
	Carried Forward			R
	Section No. 2 Building Works Bill No. 2 Masonry			

	Brought Forward			R
<u>FACE BRICKWORK</u>				
<u>Face bricks at a purchase price of R8500,00/1000 bricks delivered to site pointed with recessed polished horizontal and vertical joints in superstructure. Fire-rating - 120minutes fire resistance (to match existing)</u>				
2/2/3	Extra over brickwork for face brickwork	m2	26	
2/2/4	One brick walls in English bond pointed on both sides	m2	3	
Carried Forward to Summary of Section No. 2				
Section No. 2 Building Works Bill No. 2 Masonry				

Item No		Unit	Quantity	Rate	Amount
	<p><u>SECTION 2</u></p> <p><u>BILL NO. 3</u></p> <p><u>WATERPROOFING</u></p> <p>NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 120 for CPAP formula purposes.</p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><u>DAMP-PROOFING OF WALLS AND FLOORS</u></p> <p><u>One layer of 375 micron "Consol Plastics Brikgrip DPC" or other similar approved embossed damp proof course</u></p>				
2/3/1	In walls	m2	0.4		
	<p>Carried Forward to Summary of Section No. 2</p> <p>Section No. 2 Building Works Bill No. 3 Waterproofing</p>				R

Item No		Unit	Quantity	Rate	Amount
	<p><u>SECTION 2</u></p> <p><u>BILL NO. 4</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p>NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 126 for CPAP formula purposes.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Particle board:</u></p> <p>Particle board shall comply with the following specifications:</p> <p>a) SABS 1300 Particle board: exterior and flooring type</p> <p>b) SABS 1301 Particle board: interior type</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc.</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes.</p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p><u>Decorative laminate finish:</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p>				
	Carried Forward				R
	<p>Section No. 2 Building Works Bill No. 4 Carpentry and Joinery</p>				

		Brought Forward			R
<u>ROOFS, ETC</u>					
The following is applicable in respect of roof trusses:					
Trusses are at 750mm centres					
All timber to be sawn softwood in accordance with V4 or M4 as defined in SABS 563 or SABS 1245.					
Metal connector plates shall have a minimum yield strength of 228 MPa and a minimum ultimate tensile strength of 330 Mpa with hot-dip galvanised finish.					
All joints to be close fitted butt joints.					
Trusses shall be designed by a registered supplier of prefabricated trusses who shall issue an Engineers Certificate upon completion of the installation.					
The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained on site before design or fabricaton commences.					
<u>DOORS ETC</u>					
<u>Class B 2-hour fire rated door as per SANS 1253 and ensure proper sealing around</u>					
2/4/1	1600 x 2100mm fire door	No		1	
2/4/2	813 x 2100mm fire door	No		1	
<u>Reinstalling previously removed doors</u>					
2/4/3	813 x 2100mm door and make good	No		1	
Carried Forward to Summary of Section No. 2					
Section No. 2 Building Works Bill No. 4 Carpentry and Joinery					R

Item No		Unit	Quantity	Rate	Amount
	<p><u>SECTION 2</u></p> <p><u>BILL NO 5</u></p> <p><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></p> <p>NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 129 for CPAP formula purposes.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Descriptions:</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted" the bolts have been given elsewhere</p> <p><u>SUSPENDED CEILINGS</u></p> <p><u>Proprietary suspended ceilings</u></p> <p><u>Note:</u></p> <p>Electrical light fittings, diffusers, panels, etc generally are "lay in" units of the same dimensions as the suspension grid described and allowance must be made accordingly for their support inclusive of any flexibility inseting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)</p> <p><u>User note:</u></p> <p>a) The above note to be included in the bills of quantities after confirmation of the basic design of the ceilings, lighting, air conditioning, etc</p> <p><u>1200 x 600mm acoustic ceiling tiles in suspended aluminium frame (to match existing). Aluminium frame to be bolted to existing concrete slab. Fire rating - 2hrs</u></p>				
2/5/1	Suspended ceiling	m2	106		
	Carried Forward to Summary of Section No. 2				R
	Section No. 2 Building Works Bill No. 5 Ceilings, partitions and Access Flooring				

Item No		Unit	Quantity	Rate	Amount
	<p><u>SECTION 2</u></p> <p><u>BILL NO. 6</u></p> <p><u>FLOOR COVERINGS, PLASTIC LININGS, ETC</u></p> <p>NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 130 for CPAP formula purposes.</p> <p><u>FLOWCRETE</u></p> <p><u>2mm glossy, durable and self-smoothing finish Peran SLFruity system laid on sceed. Concrete or screed substrate should be a minimum of 25 N/mm², free from laitence, dust and other contamination. Substrate should be dry to 75% RH as per BS8204.</u> <u>Fire resistance - Class 2</u></p>				
2/6/1	On floors	m2	106		
	Carried Forward to Summary of Section No. 2				R
	Section No. 2 Building Works Bill No. 6 Floor Coverings				

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION 2</u>				
	<u>BILL NO. 7</u>				
	<u>IRONMONGERY</u>				
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 132 for CPAP formula purposes.				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Finishes to ironmongery</u>				
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:				
	<ul style="list-style-type: none"> BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded 				
	Where ironmongery is described as plugged, prices are to include for screwing to and including approved patent plugs in concrete or brickwork with plaster or tiled finish.				
	<u>HINGES, BOLTS, ETC.</u>				
	<u>"Union" or other similar approved</u>				
2/7/1	Satin chrome indicator bolt	No	2		
2/7/2	200mm long satin chrome on brass cabin hook and eye	No	2		
2/7/3	Aluminium flush bolt	No	2		
2/7/4	150 x 32mm satin chrome barrel bolt	No	2		
	Carried Forward				R
	Section No. 2 Building Works Bill No. 7 Ironmongery				

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION 2</u>				
	<u>BILL NO. 8</u>				
	<u>PLASTERING</u>				
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 142 for CPAP formula purposes.				
	<u>SCREEDS</u>				
	<u>1:3 Cement plaster screeds wood floated on concrete</u>				
2/8/1	30mm Thick on floors and landings	m2	106		
	<u>SELF LEVELLING SCREED</u>				
2/8/2	Supply and apply ultraplan eco or equivalent non-slip epoxy to cement screed as self levelling screed, applied strictly to manufacturers' specifications.	m2	106		
	<u>INTERNAL PLASTER</u>				
	<u>6mm cement plaster with gypsum finish shall comprise an undercoat of Class II cement plaster finished with a wooden float and a finishing coat of gypsum skim plaster</u>				
2/8/3	On walls	m2	115		
2/8/4	On narrow widths	m2	12		
2/8/5	Columns	m2	9		
	Carried Forward to Summary of Section No. 2				R
	Section No. 2 Building Works Bill No. 8 Plastering				

Item No		Unit	Quantity	Rate	Amount
	<p><u>SECTION 2</u></p> <p><u>BILL NO. 9</u></p> <p><u>PAINTWORK</u></p> <p>NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 152 for CPAP formula purposes</p> <p><u>ON FLOATED PLASTER</u></p> <p><u>One coat alkali resistant primer, one universal undercoat and two coats polyurethane velvet enamel finishing paint</u></p>				
2/9/1	On internal walls	m2	136		
	<p><u>ON WOOD</u></p> <p><u>Prepare, stop and apply two full coats polyurethane clear eggshell varnish, lightly sanded down between coats</u></p>				
2/9/2	On doors	m2	10		
	<p>Carried Forward to Summary of Section No. 2</p> <p>Section No. 2 Building Works Bill No. 9 Paintwork</p>				R

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 1</u>			
	<u>ELECTRICAL INSTALLATIONS</u>			
	<u>Galvanized Conduit</u>			
	Galvanized conduit including bending, short lengths, draw boxes, cutting, bands, jointing, couplings, saddles and wastage as per SABS 1065. Fixed to surface or laid in or flush mounted in brickwork, dry walls (partitions), concrete, roof space or ceiling void. The rate to allow for the conduit mounting brackets to suspend conduits from concrete slab as would be required in the ceiling void. The rate shall include labour and material.			
	25 mm			
3/1/1	Supply	m	60	
3/1/2	Install	m	60	
	<u>Light Fittings</u>			
	Supply and installation of SABS approved light fittings as per the specification, complete with lamps, mounted as described, including accessories necessary to complete the mounting as specified and are measured separately			
	Type F12: Recessed LED ceiling panel light fitting, 1 200mm x 600mm c/w 55W LED, 7 146 lumens.			
3/1/3	Supply	No	9	
3/1/4	Install	No	9	
	Type C: Bulkhead complete with 2X9W light fitting.			
3/1/5	Supply	No	2	
3/1/6	Install	No	2	
	Normal socket outlets complete wiring			
3/1/7	Supply	No	3	
	Carried Forward			R
	Section No. 3 Electrical Installations Bill No. 1 Electrical Installations			

Brought Forward			R
3/1/8	Install	No	3
	Unswitched socket outlets		
3/1/9	Supply	No	11
3/1/10	Install	No	11
	Blank Outlet cover for power skirting		
3/1/11	Supply	No	12
3/1/12	Install	No	12
<u>CCTV system</u>			
	Indoor Fixed Dome Network Camera. Full HD1080p, WDR, Dual Stream, Fixed Lens Options [2.8mm, 4mm, 6mm], 120dB Wide Dynamic Range, 3D Digital Noise Reduction, Smart Features, PoE (802.3af), IR Range 30m, IP66 and IK10 Protection, Audio/Alarm Input / Output Edge Storage, H.264, Motion JPEG, 25/30 fps; HTTPSa encryption. Analytics: Video Motion Detection, Active tampering		
3/1/13	Supply	No	4
3/1/14	Install	No	4
	Cat6a STP Cable		
3/1/15	Supply	m	120
3/1/16	Install	m	120
<u>REPAIRS</u>			
3/1/17	Socket outlets	No	1
<u>REDUNDANT INSTALLATION</u>			
	<u>Remove the following redundant installation and make good</u>		
3/1/18	Dedicated socket outlets including wiring	No	15
3/1/19	Access Control: Biometric reader	No	2
3/1/20	Access Control: Door controller	No	1
Carried Forward			R
Section No. 3 Electrical Installations Bill No. 1 Electrical Installations			

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION 4</u>				
	<u>BILL NO 1</u>				
	<u>MECHANICAL INSTALLATIONS</u>				
	<u>INERGEN GAS FIRE SUPPRESSION SYSTEM</u>				
	<u>Supply and Install complete stand-alone INERGEN Gas Fire Suppression System for Archieve Room on Ground Floor Level one to be interfaced into the smoke detectors. 85sq.m with height of 3.380m</u>				
4/1/1	80Kg Modular Cylinder-Wall Mounted (200bar) c/w pressure gauge and switches	No	7		
4/1/2	INERGEN charge	kg	560		
4/1/3	360deg 8 port nozzle .	Ea	6		
4/1/4	Gas Control Panel Convetional including battery back up	Ea	1		
4/1/5	48 - 180Lt pipe kit	Ea	7		
4/1/6	Detection devices complete with mounting bases/ sounders (Optical)	Ea	6		
4/1/7	Flashing Beacon	Ea	1		
4/1/8	System/ manual release sign	Ea	1		
4/1/9	Upon device activation do not enter	Ea	1		
4/1/10	Manual release device	Ea	1		
4/1/11	Discharge hose 90 deg elbow L550mm (for the system)		Item		
4/1/12	Container strap 48 litre (2 off) 462	Ea	4		
4/1/13	Unistrats for the mounting frame		Item		
	<u>Steel pipe SABS approved Accessories</u>				
4/1/14	Unions, Bends, equal Ts - to make a complete installation			SUM	
4/1/15	Consumables		Item		
	Carried Forward			R	
	Section No. 4 Mechanical Installations Bill No. 1 Mechanical Installations				

		Brought Forward		R
4/1/16	Steel Pipe SABS approved 42mm		m	35
4/1/17	Steel Pipe SABS approved 35mm		m	15
4/1/18	Fire cables and coundits for the fire detection system to make a complete installation			SUM
4/1/19	Interfacing Fire detection and Gas suppression system			Item
4/1/20	Electric Valve Actuator			Item
4/1/21	Non Return Valve 32mm Steel		No	7
4/1/22	Isolating Valves 35mm Steel		No	7
4/1/23	Link Gas Suppression for the Archieve room to Main Fire panel			SUM
4/1/24	All applicable signage to complete the installation and make it comply			SUM
4/1/25	Service and Maintain the 7.2kW cassette Units		No	2
4/1/26	Allow for the blanking off of the sprinkler heads, removal of the hose reel shut off valve and blank off the supply air grills			SUM
<u>PROJECT ENGINEERING AND QUALITY MANAGEMENT</u>				
<u>Testing, balancing, commissioning and handover of Gas Suppression Installation including compilation of submitted to the Engineer for approval, and Gas installation certificate.</u>				
4/1/27	Operation and Maintenance Instruction Manuals		Sets	4.0
4/1/28	User Training			Item
4/1/29	Sets of "as built" drawings "including 1 cd"		Ea	4
4/1/30	12 Months free maintenance			Item
4/1/31	Allow for 2 Inspections/ Service during the 12 Months Period			Item
4/1/32	Room Integrity test and certificate			Item
4/1/33	Any other item necessary that might have been omitted that might be necessary for completion of installation (please specify).			Item
4/1/34	Allow for Safety and Health Compliance			Item
		Carried Forward		R
Section No. 4 Mechanical Installations Bill No. 1 Mechanical Installations				

**NEW DOCUMENT STOREROOM ON GROUND FLOOR AT 19 FREDMAN DRIVE
JOHANNESBURG**

	Brought Forward		R	
4/1/35	Provide OSH certificate for compliance on Equipment system installed	Item		
4/1/36	Additional Tests and Measurements as required by the engineer		SUM	
4/1/37	Allow for transportation and travelling charges	Item		
4/1/38	Allow for site inspection and measurements for detailed production of shopfloor drawings	Item		
4/1/39	Issuing of COC by a registered personal	Item		
4/1/40	Provide a list of spare parts	Item		
4/1/41	Provision of a Maintenance Control Plan	Item		
4/1/42	Provision for the development of works program in liason with other services	Item		
4/1/43	Any other Item the Tenderer Wishes to Add (Attach a schedule)	Item		
Carried to Final Summary			R	
Section No. 4 Mechanical Installations Bill No. 1 Mechanical Installations				

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION 5</u>				
	<u>BILL NO 1</u>				
	<u>PROVISIONAL SUMS</u>				
	All provisional sums cover supply of material and equipment and installation. Provisional sums are nett and do not include builder's discount (excluding settlement discount) and Value-Added Tax but the Tenderer may allow under "Profit" items any profit he considers necessary				
	The tenderer is referred to Clause 26 of the "Subcontracting" sections. If there is need for special attendance, the contractor is hereby informed to cater for such under attendance				
	<u>Shelving</u>				
5/1/1	Allow a provisional sum of R 385 000.00 (Three Hundred and Eighty-Five Thousand Rands) for bulk shelving including a mobile 10 step ladder 2500mm		Item		385,000.00
5/1/2	Profit			%	
5/1/3	Attendance			%	
	Carried to Final Summary				R
	Section No. 5 Provisional Sums Bill No. 1 Provisional Sums				

Section No	<u>FINAL SUMMARY</u>	Page No	Amount
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4	Mechanical Installations	42	
5	Provisional Sums	43	
	Subtotal		R
	Allow the amount of R 300 000.00 (Three Hundred Thousand Rands) for contingencies to the Contract, to be used at the discretion of the Employer and deducted in whole or in part if not required.	Item	300,000.00
	Subtotal		R
	VAT		R
	Carried to Form of Tender		R