

Item No		Quantity	Rate	Amount
	<p>SECTION 1</p> <p>BILL NO. 1</p> <p>PRELIMINARIES</p> <p>BUILDING AGREEMENT AND PRELIMINARIES</p> <p>The JBCC Series 2000 Principal Building Agreement (July 2007 edition 5.0 - reprint 1) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described</p> <p>The JBCC Principal Building Agreement Contract Data EC and the JBCC Principal Building Agreement Contract Data CE form an integral part of this agreement</p> <p>The ASAQS Preliminaries (November 2007 edition) published by the Association of South African Quantity Surveyors for use with the said JBCC Principal Building Agreement shall be deemed to be incorporated in these bills of quantities</p> <p>Contractors are referred to the abovementioned documents for the intent and meaning of each clause thereof</p> <p>These clauses are hereinafter referred to by clause number and heading only. Where standard clauses or alternatives are not entirely applicable to this agreement such modifications, corrections or supplements as will apply are given under each relevant clause heading and such modifications, corrections or supplements shall take precedence notwithstanding anything contrary contained in the abovementioned documents</p> <p>Where any item is not relevant to this specific agreement such item is marked N/A (signifying "not applicable")</p> <p>PREAMBLES FOR TRADES</p> <p>The Model Preambles for Trades (2008 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 1 PRELIMINARIES AND GENERALS Bill No. 1 PRELIMINARIES POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM</p>		R	

	<p style="text-align: center;">Brought Forward</p> <p>Supplementary preambles are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the said Model Preambles</p> <p>The contractor's prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the said Model Preambles and in any supplementary preambles</p> <p><u>PRICING OF PRELIMINARIES</u></p> <p>Should the contractor select Option A in terms of subclause 3.2.1 in the Contract Data - Contractor to Employer (CE) for the purpose of adjustment of these preliminaries, the amount entered into the amount column in these preliminaries is to be divided into one or more of the three categories provided namely Fixed (F), Value Related (V) and Time Related (T)</p> <p><u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u></p> <p><u>Definitions (A1)</u></p> <p>1/1/1 Clause 1.0 - Definitions and interpretation</p> <p>The measuring system used for the preparation of the bills of quantities is the Standard System of Measuring Building Work (sixth edition, revised 1999) published by the Association of South African Quantity Surveyors [1.1]</p> <p>F:..... V:..... T:.....</p> <p style="text-align: right;">Item</p> <p><u>Objective and preparation (A2 - A14)</u></p> <p>1/1/2 Clause 2.0 - Offer acceptance and performance obligations</p> <p>F:..... V:..... T:.....</p> <p style="text-align: right;">Item</p>		R	
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	Brought Forward		R	
1/1/3	<p>Clause 3.0 - Documents</p> <p>Refer to Annexure A for a list of the contract drawings</p> <p>Provision is made in the summary page of these bills of quantities for the inclusion of Value Added Tax (VAT) [3.5]</p> <p>The principal agent shall decide which portion of the priced document may be used as a specification of materials and goods or methods, if any [3.9]</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/4	<p>Clause 4.0 - Design responsibility</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/5	<p>Clause 5.0 - Employer's agents</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/6	<p>Clause 6.0 - Contractor's site representative</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/7	<p>Clause 7.0 - Compliance with laws and regulations</p> <p>Without limiting the generality of the provisions of clause 7.0, the contractor's attention is drawn to the provisions of the Construction Regulations, 2003 issued in terms of the Occupational Health and Safety Act, 1993. It is specifically stated that the employer shall prepare a documented health and safety specification for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specification [7.1]</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/8	<p>Clause 8.0 - Works risk</p> <p>F:..... V:..... T:.....</p>	Item		
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1/1/9	Clause 9.0 - Indemnities F:..... V:..... T:.....	Item		
1/1/10	Clause 10.0 - General insurances F:..... V:..... T:.....	Item		
1/1/11	Clause 11.0 - Special insurances F:..... V:..... T:.....	Item		
1/1/12	Clause 12.0 - Effecting insurances F:..... V:..... T:.....	Item		
1/1/13	Clause 13.0 - Assignment F:..... V:..... T:.....	Item		
1/1/14	Clause 14.0 - Security F:..... V:..... T:.....	Item		
	<u>Execution (A15 - A23)</u>			
1/1/15	Clause 15.0 - Preparation for and execution of the works F:..... V:..... T:.....	Item		
1/1/16	Clause 16.0 - Site and access Certain areas will be occupied during the construction period and the contractor must execute the works with as little noise and disturbance as possible to the occupants. [16.6] F:..... V:..... T:.....	Item		
1/1/17	Clause 17.0 - Contract instructions F:..... V:..... T:.....	Item		
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	Brought Forward		R	
1/1/18	<p>Clause 18.0 -Setting out of the works</p> <p>The contractor shall notify the principal agent if any encroachment of adjoining foundations, buildings, structures, pavements, boundaries, etc. exist in order that the necessary arrangements may be made for the rectification of any such encroachments [18.1]</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/19	<p>Clause 19.0 - Temporary works and plant</p> <p>Clause 19.1.1 - Enclosure of the works</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/20	<p>Clause 19.1.2 - Office accommodation - provide suitable office accomodation for site meetings with tables and chairs for ten people</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/21	<p>Clause 20.0 - Nominated subcontractors</p> <p>Refer to the provisions on general attendance hereinafter</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/22	<p>Clause 21.0 - Selected subcontractors</p> <p>General attendance of n/s subcontractors for pricing by the contractor shall be in accordance with the n/s agreement. Notwithstanding this provision, general attendance shall be deemed to include for the contractor to provide free of charge to any n/s subcontractor such scaffolding as may reasonably be required by such n/s subcontractor for the execution of the relevant subcontract work</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/23	<p>Clause 22.0 - Employer's direct contractors</p> <p>F:..... V:..... T:.....</p>	Item		
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1/1/24	<p>Clause 23.0 - Contractor's domestic subcontractors</p> <p>F:..... V:..... T:.....</p> <p>Completion (A24 - A30)</p>	Item		
1/1/25	<p>Clause 24.0 - Practical completion</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/26	<p>Clause 25.0 - Works completion</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/27	<p>Clause 26.0 - Final completion</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/28	<p>Clause 27.0 - Latent defects liability period</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/29	<p>Clause 28.0 - Sectional completion</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/30	<p>Clause 29.0 - Revision of date for practical completion</p> <p>The removal and replacement of materials and/or workmanship which do not conform to the specification or the contract drawings shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value (Clause 29.3)</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/31	<p>Clause 30.0 - Penalty for late or non-completion: 0.05% of the Contract Amount inclusive of Value Added Tax per Calendar day</p> <p>F:..... V:..... T:.....</p>	Item		
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	<u>Payment (A31 - A35)</u>			
1/1/32	<p>Clause 31.0 - Interim payment</p> <p>Materials and goods stored off site shall not be included in the amount authorised for payment [31.6.5]</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/33	<p>Clause 32.0 - Adjustment to the contract value - NOT APPLICABLE</p> <p>All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor [32.13]</p> <p>Where prices are submitted by the contractor or n/s subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of the agreement and notwithstanding the fact that such prices may be used in an interim payment certificate there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the certificate of final completion, it shall be in writing</p> <p>The contractor shall not receive any mark-up for overheads and profit on any omission of tenant installation work or tenant installation work by others. Claims for loss of profit shall not be entertained [32.2]</p> <p>F:..... V:..... T:.....</p>	N/A		
1/1/34	<p>Clause 33.0 - Recovery of expense and loss</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/35	<p>Clause 34.0 - Final account and final payment</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/36	<p>Clause 35.0 - Payment to other parties</p> <p>F:..... V:..... T:.....</p>	Item		
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<u>Termination (A36 - A39)</u>				
1/1/37	Clause 36.0 - Termination by employer - contractor's default F:..... V:..... T:.....	Item		
1/1/38	Clause 37.0 - Termination by employer - loss and damage F:..... V:..... T:.....	Item		
1/1/39	Clause 38.0 - Termination by contractor - employer's default F:..... V:..... T:.....	Item		
1/1/40	Clause 39.0 - Termination - cessation of the works F:..... V:..... T:.....	Item		
<u>Dispute (A40)</u>				
1/1/41	Clause 40.0 - Settlement of disputes F:..... V:..... T:.....	Item		
<u>Contract variables (A41 - A42)</u>				
1/1/42	Clause 41.0 - Post tender provisions The contractor is to complete and submit with his tender the JBCC Principal Building Agreement Contract Data CE F:..... V:..... T:.....	Item		
1/1/43	Clause 42.0 - Contractual agreement The required information of the parties and the amount of the contract sum shall be inserted in the agreement for signature of the agreement by the parties F:..... V:..... T:.....	Item		
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	<u>SECTION B: PRELIMINARIES</u>			
	<u>Definitions and interpretation (B1)</u>			
1/1/44	Clause 1.0 - Definitions and interpretation F:..... V:..... T:.....	Item		
	<u>Documents (B2)</u>			
1/1/45	Clause 2.1 - Checking of documents F:..... V:..... T:.....	Item		
1/1/46	Clause 2.2 - Provisional bills of quantities F:..... V:..... T:.....	Item		
1/1/47	Clause 2.3 - Availability of construction documentation The budgetary allowances and selected subcontract amounts allocated for subsequent trades included in this agreement will be separately procured, based on multiple procurement of selected subcontractors during the construction period F:..... V:..... T:.....	Item		
	<u>Previous work and adjoining properties (B3)</u>			
1/1/48	Clause 3.1 - Previous work - dimensional accuracy F:..... V:..... T:.....	Item		
1/1/49	Clause 3.2 - Previous work - defects F:..... V:..... T:.....	Item		
1/1/50	Clause 3.3 - Inspection of adjoining properties F:..... V:..... T:.....	Item		
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<u>Samples, shop drawings and manufacturer's instructions (B4)</u>				
1/1/51	Clause 4.1 - Samples of materials F:..... V:..... T:.....	Item		
1/1/52	Clause 4.2 - Workmanship samples F:..... V:..... T:.....	Item		
1/1/53	Clause 4.3 - Shop drawings F:..... V:..... T:.....	Item		
1/1/54	Clause 4.4 - Compliance with manufacturer's instructions F:..... V:..... T:.....	Item		
<u>Deposits and fees (B5)</u>				
1/1/55	Clause 5.1 - Deposits and fees F:..... V:..... T:.....	Item		
<u>Temporary services (B6)</u>				
1/1/56	Clause 6.1 - Water F:..... V:..... T:.....	Item		
1/1/57	Clause 6.2 - Electricity F:..... V:..... T:.....	Item		
1/1/58	Clause 6.3 - Telecommunication facilities F:..... V:..... T:.....	Item		
1/1/59	Clause 6.4 - Ablution facilities F:..... V:..... T:.....	Item		
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	<u>Prime cost amounts (B7)</u>			
1/1/60	Clause 7.1 - Responsibility for prime cost amounts F:..... V:..... T:.....	Item		
	<u>Special attendance on n/s subcontractors (B8)</u>			
1/1/61	Clause 8.1 - Special attendance F:..... V:..... T:.....	Item		
	<u>General (B9)</u>			
1/1/62	Clause 9.1 - Protection of the works F:..... V:..... T:.....	Item		
1/1/63	Clause 9.2 - Protection/isolation of existing/ occupied works Certain areas of the sitewill be occupied during the construction period (see item 4 page 14) F:..... V:..... T:.....	Item		
1/1/64	Clause 9.3 - Security of the works F:..... V:..... T:.....	Item		
1/1/65	Clause 9.4 - Notice before covering work F:..... V:..... T:.....	Item		
1/1/66	Clause 9.5 - Disturbance F:..... V:..... T:.....	Item		
1/1/67	Clause 9.6 - Environmental disturbance F:..... V:..... T:.....	Item		
1/1/68	Clause 9.7 - Works cleaning and clearing F:..... V:..... T:.....	Item		
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	Brought Forward		R	
1/1/69	Clause 9.8 - Vermin F:..... V:..... T:.....	Item		
1/1/70	Caluse 9.9 - Overhand work F:..... V:..... T:.....	Item		
	Schedule of variables (B10) Information necessary for elections and completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that no specific requirements are expected or that the clause is not relevant to this specific contract			
	10.1 - Provisional bills of quantities [2.2] The quantities are provisional	No		
	10.2 - Availability of construction documentation [2.3] Construction documentation is complete	Yes		
	10.3 - Previous work - dimensional accuracy [3.1]			
	10.4 - Previous work - defects [3.2]			
	10.5 - Inspection of adjoining properties [3.3]			
	10.6 - Water [7.2]			
	Option A (by contractor)	Yes		
	Option B (by employer - free of charge)	No		
	Option C (by employer - metered)	No		
	10.7 - Electricity [7.3]			
	Option A (by contractor)	Yes		
	Option B (by employer - free of charge)	No		
	Option C (by employer - metered)	No		
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<p style="text-align: right;">Brought Forward</p> <p>10.8 - Telecommunications [7.4]</p> <p>Telephone Yes Facsimile No E-mail Yes</p> <p>10.9 - Ablution facilities [7.5]</p> <p>Option A (by contractor) Yes Option B (by employer) No</p> <p>10.10 - Protection of the works [9.1]</p> <p>10.11 - Protection/isolation of existing/sectionally occupied works [9.2]</p> <p style="padding-left: 40px;">Protection/isolation is required No</p> <p>10.12 - Disturbance [9.5]</p> <p>10.13 - Environmental disturbance [9.6]</p>		R	
<p><u>SECTION C: SPECIFIC PRELIMINARIES</u></p> <p>Any special items to meet the particular circumstances of a specific project are embodied in this section. Where required for an aspect of the works to be executed according to a design by a consulting engineer, a recital of the headings to the individual clauses of the JBCC Engineering General Conditions are included</p>			
<p>1/1/71 Black economic empowerment and training</p> <p>F:..... V:..... T:.....</p>	Item		
<p>1/1/72 Proprietary branded products</p> <p>F:..... V:..... T:.....</p>	Item		
<p>The contractor shall take delivery of, handle, store, use, apply and/or fix all proprietary branded products in strict accordance with the manufacturers' instructions after consultation with the manufacturer's authorised representative</p>			
<p style="text-align: right;">Carried Forward</p> <p>Section No. 1 PRELIMINARIES AND GENERALS Bill No. 1 PRELIMINARIES POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM</p>		R	

	Brought Forward		R	
1/1/73	<p>Contract instructions</p> <p>F:..... V:..... T:.....</p> <p>Contract instructions issued on site are to be recorded in triplicate in a contract instruction book which is to be supplied and maintained on site by the contractor</p>	Item		
1/1/74	<p>Labour record</p> <p>F:..... V:..... T:.....</p> <p>At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and descriptions of tradesmen and labourers employed by him and all subcontractors on the works each day of that week</p>	Item		
1/1/75	<p>Plant record</p> <p>F:..... V:..... T:.....</p> <p>At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools used on the works each day of that week</p>	Item		
1/1/76	<p>Guarantees</p> <p>F:..... V:..... T:.....</p>	Item		
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	<p style="text-align: center;">Brought Forward</p> <p>Where guarantees are called for, the contractor shall obtain a written guarantee, addressed to the employer, from the firm supplying the materials and/or doing the work and shall deliver same to the principal agent on the certified completion of the contract. The guarantee shall state that workmanship, materials and installation are guaranteed for a specified period from the date of certified completion of the contract, and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice from the principal agent to do so. This guarantee will not be enforced if the work is damaged by defects in the construction of the building in which case the responsibility for replacement shall rest entirely with the contractor. The principal agent shall be the sole judge of the cause responsible for defects in the work and his decision shall be final and binding in terms of clause 40.2 of the agreement</p> <p>1/1/77 Overtime</p> <p>F:..... V:..... T:.....</p> <p>Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the contractor unless the principal agent has specifically authorised, in writing, prior to execution thereof, that costs for such overtime are to be borne by the employer</p> <p>1/1/78 Co-operation of contractor for cost management</p> <p>F:..... V:..... T:.....</p> <p style="text-align: center;">Carried Forward</p> <p>Section No. 1 PRELIMINARIES AND GENERALS Bill No. 1 PRELIMINARIES POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM</p>	<p style="text-align: center;">Item</p> <p style="text-align: center;">Item</p>	<p style="text-align: center;">R</p> <p style="text-align: center;">R</p>	
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<p>1/1/79</p>	<p style="text-align: right;">Brought Forward</p> <p>It is specifically agreed that the contractor accepts the obligation of assisting the professional consultants in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the final building cost does not exceed the budget. The quantity surveyor undertakes to make available to the contractor all budgetary allowances and cost assessments/reports to enable the proper procedures to be implemented and the contractor will attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures in regard to all subcontractors</p> <p>Occupational Health and Safety Specification</p> <p>F:..... V:..... T:.....</p> <p>The contractor shall comply with all the requirements set out in the Construction Regulations 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993).</p> <p>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.</p> <p>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 parial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including extension of time or interest, due to such delay of payment.</p> <p>Provisions for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 1 PRELIMINARIES AND GENERALS Bill No. 1 PRELIMINARIES POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM</p>	<p style="text-align: center;">Item</p>	<p style="text-align: center;">R</p>	
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1/1/80	<p>Allow for the compulsory equipment and clothing, ie hats, safety shoes, safety clothing, safety glasses, safety masks, harnesses, etc</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/81	<p>Allow for all compulsory health and safety posters, boards, etc</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/82	<p>Allow for all compulsory health and safety workshops, meetings, lectures, demonstrations, etc</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/83	<p>Allow for all compulsory health and safety pamphlets, cards, paperwork, etc to each worker, consultant, public individual, etc coming onto the site</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/84	<p>Allow for compulsory health and safety files that must be completed daily and must be handed to the employer on completion of the contract</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/85	<p>Scope of Application as per Act No 85 of 1993</p> <p>F:..... V:..... T:.....</p>	Item	
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1/1/86	Notification of Construction Work as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
1/1/87	Employer's responsibilities as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
1/1/88	Principal Contractor's responsibility as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
1/1/89	Supervision of construction work as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
1/1/90	Risk assessment as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
1/1/91	Fall protection as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
1/1/92	Structures Formwork and Support as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
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1/1/93	Excavation as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
1/1/94	Demolition work as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
1/1/95	Tunnelling as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
1/1/96	Scaffolding as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
1/1/97	Suspended platforms as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
1/1/98	Botswains chairs as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 PRELIMINARIES AND GENERALS Bill No. 1 PRELIMINARIES POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM			

Brought Forward			R
1/1/99	Materials hoists as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
1/1/100	Batch plant as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
1/1/101	Explosive powered tools as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
1/1/102	Cranes as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
1/1/103	Construction vehicles and mobile plant as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
1/1/104	Electrical installations and machinery on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
Carried Forward			R
Section No. 1 PRELIMINARIES AND GENERALS Bill No. 1 PRELIMINARIES POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM			

	Brought Forward		R	
1/1/105	Use and temporary storage of flammable liquids on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
1/1/106	Water environments as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
1/1/107	Housekeeping on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
1/1/108	Stacking and storage on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
1/1/109	Fire precautions as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
1/1/110	Construction welfare as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 PRELIMINARIES AND GENERALS Bill No. 1 PRELIMINARIES POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM			

	Brought Forward		R	
1/1/111	Approved inspection Authorities as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
1/1/112	Offences and penalties as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
1/1/113	Repeal of regulations as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
1/1/114	Short title as per Act No 85 of 1993 F:..... V:..... T:.....	Item		
1/1/115	Obligatory Sub-contracting and Training F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 PRELIMINARIES AND GENERALS Bill No. 1 PRELIMINARIES POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM			

	<p style="text-align: center;">Brought Forward</p> <p>The Contractor shall sub-contract 40% of the work to Domestic Sub-contractors as listed in the Schedule of Sub-Contractors in the Returnable Schedules</p> <p>The Principal Agent and the Contractor shall at all times make sure that the work complies with the relevant specifications, standards and norms as contained in this tender.</p> <p>The Principal Agent and the Contractor shall provide for the necessary skills transfer and assistance to complete the sub-contracted section of the works.</p> <p>The Principal Agent and the Contractor shall provide the necessary documentation to the Domestic Sub-Contractor for upgrading of the rating by CIDB.</p> <p>BEE Sub-Contractors must be 100% black owned and have offices in Limpopo Province</p> <p>1/1/116 Expanded Public Works Programme</p> <p>F:..... V:..... T:.....</p> <p>The Contractor shall study the guidelines for the implimentation of labour-intensive infrastructure projects under the Expanded Public Works Programme (EPWP) attached to this document. The Contractor shall take note of the requirements and inform all selected and or other sub-contractors, as no claim afterwards will be entertained</p> <p>1/1/117 C11.1 Local and targeted labour</p> <p>F:..... V:..... T:.....</p> <p>1/1/118 Allow for regular submission of proof of employment of local skilled and unskilled labour to Employer's representative</p> <p>F:..... V:..... T:.....</p> <p style="text-align: center;">Carried Forward</p> <p>Section No. 1 PRELIMINARIES AND GENERALS Bill No. 1 PRELIMINARIES POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM</p>	<p style="text-align: center;">Item</p> <p style="text-align: center;">Item</p> <p style="text-align: center;">Item</p>	<p style="text-align: center;">R</p> <p style="text-align: center;">R</p>	
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	Brought Forward		R	
1/1/119	<p>Training allowance paid to targeted labour in respect of formal training.</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/120	<p>Extra over for the administration of payment of training allowances to targeted labour</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/121	<p>Transport and accommodation of workers for training where it is not possible to undertake the training in close proximity to the site</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/122	<p>C12: Contract drawings</p> <p>F:..... V:..... T:.....</p> <p>The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed</p> <p>Should any part of the drawings not be clearly understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent</p>	Item		
1/1/123	<p>C13: General preambles</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 PRELIMINARIES AND GENERALS Bill No. 1 PRELIMINARIES POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM</p>			

	Brought Forward		R	
1/1/124	<p>C14: Trade names</p> <p>F:..... V:..... T:.....</p> <p>Wherever a trade name form any product has been described in the bills of quantities / lump sum document, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders</p> <p>If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for</p>	Item		
1/1/125	<p>C15: Community Liaison Officer</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/126	<p>Allow for a Community Liaison Officer (CLO) to be appointed</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/127	<p>Allow for net extra cost involved in the employment of a Community Liaison Officer (CLO) in respect of the site office.</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/128	<p>Allow for net extra cost involved in the employment of a Community Liaison Officer (CLO) in respect of the toilets.</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 PRELIMINARIES AND GENERALS Bill No. 1 PRELIMINARIES POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM</p>			

	Brought Forward		R	
1/1/129	Allow for net extra cost involved in the employment of a Community Liaison Officer (CLO) in respect of the sheds. F:..... V:..... T:.....	Item		
1/1/130	C16: SANS 1921-6: HIV/AIDS Awareness read in conjunction with the Associated Specification Data F:..... V:..... T:.....	Item		
1/1/131	General requirements (Clause 4.1) F:..... V:..... T:.....	Item		
1/1/132	HIV/AIDS awareness programme (Clause 4.2) F:..... V:..... T:.....	Item		
1/1/133	Reporting (Clause 4.3) F:..... V:..... T:.....	Item		
	<u>SUMMARY OF CATEGORIES</u> Category : Fixed R..... Category : Value R..... Category : Time R.....			
	Carried to Final Summary		R	
	Section No. 1 PRELIMINARIES AND GENERALS Bill No. 1 PRELIMINARIES POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM			

Item No		Quantity	Rate	Amount
	SECTION 2			
	BILL NO. 1			
	ALTERATIONS (PROVISIONAL)			
	NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 102 for CPAP formula purposes			
	REMOVAL OF EXISTING WORK			
	<u>Taking out and removing doors, windows, etc including thresholds, sills, etc (Remove demolished material from site)</u>			
2/1/1	Timber single door 813 x 2032mm high overall includings locks, etc	No	2	
2/1/2	Timber single door 813 x 2032mm high overall incl steel frame from 110mm brick wall	No	3	
	<u>Breaking down and removing brickwork, including plaster etc</u>			
2/1/3	110mm brick wall	m2	19	
2/1/4	220mm brick wall	m2	1	
2/1/5	440mm brick wall	m2	12	
	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork</u>			
2/1/6	Plaster from walls	m2	200	
	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork</u>			
2/1/7	25mm Granolithic from floors	m2	27	
	Carried Forward			
	Section No. 2 RENOVATIONS Bill No. 1 Alterations POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM			R

Brought Forward				R
	<u>Hacking up/off and removing ceramic tile floor and wall finishes, including removing mortar bed or adhesive from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</u>			
2/1/8	Tiles to floors	m2	27	
2/1/9	Tiles to walls	m2	2	
	<u>Taking out and removing piping, sanitary fittings, etc including disconnecting piping from fittings and blocking all water and sanitary points</u>			
2/1/10	Galvanised steel piping including fittings and brackets	m	20	
2/1/11	Wash hand basin, including short lengths of piping, etc	No	6	
2/1/12	Vitreous china WC pan with cistern and including short lengths of piping, etc	No	3	
2/1/13	stainless steel flat back urinal trough including short lengths of piping, etc	No	3	
	<u>Taking out and removing glass and mirrors</u>			
2/1/14	Glass from steel windows including cleaning out rebates and preparing for new glass	m2	3	
	<u>REMOVAL OF EXISTING WORK</u>			
	<u>Breaking up and removing mass concrete</u>			
2/1/15	100mm Thick surface beds	m2	400	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2 RENOVATIONS Bill No. 1 Alterations POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM			

Item No		Quantity	Rate	Amount
	BILL NO 2			
	FOUNDATIONS (PROVISIONAL)			
	PREAMBLES			
	For preambles see "Specification of materials and methods to be used - PW 371"			
	EXCAVATION, FILLING, ETC			
	Excavation in earth not exceeding 2m deep:			
2/2/1	Trenches	m3	1	
	Extra over all excavations for carting away:			
2/2/2	Surplus material from excavations and/stock piles on site to the dumping site to be located by the Contractor.	m3	1	
	Earth filling obtained from the excavations and / or prescribed stock piles on site compacted to 93 % Mod AASHTO density			
2/2/3	Backfilling to trenches, holes, etc.	m3	1	
	CONCRETE AND FORMWORK			
	REINFORCED CONCRETE			
	25Mpa / 19mm Concrete:			
2/2/4	Surface beds cast in panels on waterproofing	m3	1	
2/2/5	Ramps	m3	1	
2/2/6	Extra over concrete in surface beds for thickening 85mm deep down and approximately 400mm wide top and tapering to 300mm at the bottom including all excavations, backfilling etc.	m	2	
	UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES			
	25MPa/19mm Concrete:			
2/2/7	Strip footing	m3	1	
	Carried Forward		R	
	Section No. 2 RENOVATIONS Bill No. 2 Foundations (Provisional) POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM			

		Brought Forward		R
<u>TEST BLOCKS</u>				
2/2/8	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	3	
<u>CONCRETE SUNDRIES</u>				
<u>Finishing top surfaces of concrete smooth with a wood float: FLOORS</u>				
2/2/9	Ramps	m2	2	
<u>Finishing top surfaces of concrete smooth with a steel trowel: SLAB</u>				
2/2/10	Surface beds, slabs, etc	m2	27	
<u>REINFORCEMENT</u>				
<u>Mesh reinforcement:</u>				
2/2/11	Mesh steel fabric reinforcement Ref 193 fabric reinforcement laid in surface beds, etc. lapped minimum 150mm along edges and ends (Measured net)	m2	27	
<u>BRICKWORK IN FOUNDATION</u>				
<u>Brickwork of NFP bricks in class II mortar:</u>				
2/2/12	One brick walls	m2	6	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
RENOVATIONS				
Bill No. 2				
Foundations (Provisional)				
POLOKWANE MUNICIPALITY				
REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM				

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

		Brought Forward		R
<u>UNREINFORCED CONCRETE</u>				
<u>20MPa/19mm concrete</u>				
2/3/1	Aprons	m3	2	
<u>REINFORCED CONCRETE</u>				
<u>25MPa/19mm concrete</u>				
2/3/2	Slabs	m3	3	
<u>PRE CAST CONCRETE</u>				
<u>Pre cast wind blocks</u>				
2/3/3	600 x 600mm windblock with 600mm obscure glass, with matt charcoal powdercoat finish. GSA smartglass 6.38mm clearvue opaque float glass.	m3	9	
Carried Forward to Summary of Section No. 2				
Section No. 2				
RENOVATIONS				
Bill No. 3				
Concrete, Formwork and Reinforcement				
POLOKWANE MUNICIPALITY				
REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM				
				R

Item No	SECTION 2	Quantity	Rate	Amount
	BILL NO 3			
	MASONRY			
	PREAMBLES			
	For preambles see "Specification of materials and methods to be used - PW 371"			
	BRICKWORK SUNDRIES			
	Brick reinforcement:			
2/4/1	75mm Wide reinforcement built in horizontally	m	48	
2/4/2	150mm Wide reinforcement built in horizontally	m	60	
	Turning pieces:			
2/4/3	230mm Wide turning piece to lintel etc	m	14	
	SUPERSTRUCTURE			
	<u>Brickwork of NFP bricks in class II mortar</u>			
2/4/4	Half brick walls in beamfilling.	m2	12	
2/4/5	One brick walls	m2	15	
	Carried Forward to Summary of Section No. 2			
	Section No. 2			
	RENOVATIONS			
	Bill No. 4			
	Masonry			
	POLOKWANE MUNICIPALITY			
	REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM			
			R	

Item No		Quantity	Rate	Amount
	<u>SECTION NO.2</u>			
	<u>BILL NO.4</u>			
	<u>WATERPROOFING</u>			
	For preambles see " Specification of materials and methods to be used - PW 371"			
	<u>DAMP-PROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron Brikgrip DPC embossed damp proof course</u>			
2/5/1	In walls	m2	15	
	<u>One layer of 250 micron USB Green waterproof sheeting sealed at laps with Pressure Sensitive Tape</u>			
2/5/2	Under surface beds	m2	28	
	<u>JOINT SEALANTS ETC</u>			
	<u>Silicone sealing compound including backing cord, bond breaker, primer, etc</u>			
2/5/3	5 x 30mm Deep saw cut joint in floor	m	4	
2/5/4	Joint sealant between steel window frame and external face brick surround (Provisional)	m	15	
	Carried Forward to Summary of Section No. 2			
	Section No. 2 RENOVATIONS Bill No. 5 Waterproofing			R
	POLOKWANE MUNICIPALITY			
	REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM			

Item No	Quantity	Rate	Amount
<p>SECTION 2</p>			
<p>BILL NO. 5</p>			
<p>CARPENTRY AND JOINERY</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>SUPPLEMENTARY PREAMBLES</p>			
<p>Particle board:</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>Joinery:</p>			
<p>Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc</p>			
<p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p>			
<p>Fixing</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>ROOFS, ETC</p>			
<p>Carried Forward</p>		R	
<p>Section No. 2 RENOVATIONS Bill No. 6 Carpentry and Joinery POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM</p>			

<p style="text-align: center;">Brought Forward</p> <p><u>Plate nailed timber roof truss construction</u></p> <p>The following is applicable in respect of roof trusses:</p> <p>Trusses are at maximum 1,04m centres</p> <p>Roof covering is galvanised IBR roof sheeting on 50 x 75mm purlins at 1,2m maximum centres.</p> <p>Ceilings are generally 6,4mm gypsum plasterboard on 38 x 38mm brandering.</p> <p>All timber to be sawn softwood in accordance with V4 or M4 as defined in SABS 563 or SABS 1245.</p> <p>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.</p> <p>All joints to be close fitted butt joints.</p> <p>Trusses shall be designed by a registered supplier of prefabricated trusses who shall issue an Engineers Certificate upon completion of the installation.</p> <p>The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained on site before design or fabricaton commences.</p> <p><u>Sawn softwood</u></p>		R		
<p>2/6/1 Allow the sum of R 5 000.00 for replacing damaged roof trusses</p>	Item			
<p><u>DOORS ETC</u></p>				
<p><u>Wrought meranti doors hung to steel frames</u></p>				
<p>2/6/2 44mm wrot meranti framed, ledged and braced batten door 813 x 2 032mm high of 44 x 114mm middle ledge and braces and 16x228mm bottom ledged, filled in flush on one side with 22mm thick vertical boarding in narrow widths, hung to steel frame.</p>	No	2		
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 RENOVATIONS Bill No. 6 Carpentry and Joinery POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM</p>		R		

Brought Forward			R	
2/6/3	44mm wrot meranti framed, ledged and braced batten door 900 x 2 032mm high of 44 x 114mm middle ledge and braces and 16x228mm bottom ledged, filled in flush on one side with 22mm thick vertical boarding in narrow widths, hung to steel frame.	No	1	
<u>Semi-solid flush doors with sapele veneer on both sides hung to steel frames</u>				
2/6/4	40mm Door 813 x 2 032mm high	No	4	
Carried Forward to Summary of Section No. 2				R
Section No. 2 RENOVATIONS Bill No. 6 Carpentry and Joinery POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM				

Item No	SECTION NO.2	Quantity	Rate	Amount
	<p>BILL NO.6</p> <p>CEILINGS, ETC.</p> <p>For preambles see " Specification of materials and methods to be used - PW 371"</p> <p>CEILING CONSTRUCTION, CORNICES, ETC.</p> <p><u>Sawn softwood</u></p>			
2/7/1	38 x 114mm Ceiling joists including galvanised metal hangersto walls (Provisional)	m	6	
	<u>Wrought meranti</u>			
2/7/2	19 x 76mm Cornices nailed	m	4	
	NAILED UP AND SCREWED UP CEILINGS			
	<u>6mm "Everite Nutec" fibre-cement boards with H-profile primed steel jointing cover strips over joints</u>			
2/7/3	Ceilings including 38 x 38mm brandering at 90deg to trusses at maximum centres of 400mm by 32mm long galvanised nails.	m2	1	
2/7/4	Extra over ceiling for opening for 610 x 610mm trap door of 50 x 76mm wrought softwood rebated framing with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	1	
	Carried Forward to Summary of Section No. 2			
	Section No. 2 RENOVATIONS Bill No. 7 Ceilling etc. POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM		R	

Item No		Quantity	Rate	Amount
	<p>SECTION 2</p> <p>BILL NO. 7</p> <p>IRONMONGERY</p> <p>NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 132 for CPAP formula purposes</p> <p>SUPPLEMENTARY PREAMBLES</p> <p>Finishes to ironmongery</p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded NP Nickle plated</p> <p>HINGES, BOLTS, ETC.</p> <p>"Doma"</p>			
2/8/1	Fixing screws per set of 4	No	6	
	<p>LOCKS</p> <p>"Dorma"</p>			
2/8/2	Doma "DPH-SS-BL170x170", "DPH301"pull handle	No	2	
2/8/3	Doma "DPH-SS-BL75x170", "DPH301"pull handle	No	4	
2/8/4	Doma "DMSC-SS-008" bathroom deadlock	No	4	
	Carried Forward			
	<p>Section No. 2 RENOVATIONS Bill No. 8 Ironmongery POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM</p>		R	

Brought Forward			R
2/8/5	Black Push plate-brushed SS-1-off (Code DPP-SS-BL170x75)	No	5
2/8/6	Dorma "D037D-SS" cylinder deadlock	No	2
2/8/7	Dorma "D032D-SS" bathroom deadlock	No	1
2/8/8	Dorma "DPH301B" 325 x 25mm straight tubular pull handle flange fixing	No	1
2/8/9	Three lever mortice lockset	No	3
<u>PUSH PLATES AND KICKING PLATES</u>			
<u>"Dorma"</u>			
2/8/10	"dkp-ss-200" Stainless steel kickplate plate size 813 x 1200mm high fixed to timber	No	3
2/8/11	Push plate cylinder-1 off (Code DPP-SS-CL170x170)	No	2
<u>LETTERS, NAME PLATES, ETC</u>			
<u>"Dorma"</u>			
2/8/12	150 x 150mm male or female sign (Code DSS-131F)	No	3
2/8/13	150 x 150mm disabled persons sign (Code DSS-133P)	No	1
<u>SUNDRIES</u>			
2/8/14	Floor mounted door stop with nickel plate (Code DDS-NP-018)	No	3
2/8/15	19mm Diameter chromium plated towel rail 600mm long incl. end brackets	No	3
2/8/16	"Kimberly Clark SQ2" code 4055607 white lockable toilet roll dispenser, plugged	No	5
2/8/17	"Dorma TS91B/EN3" cam action slide channel door closer non hold open, pull side fitting	No	3
Carried Forward			R
Section No. 2 RENOVATIONS Bill No. 8 Ironmongery POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM			

Brought Forward			R
2/8/18	"Dorma TS73V/PA DC" parallel arm delayed action door closer, "Dorma TS73V/EN 2-4"	No	1
2/8/19	"Dorma DSC104301MK" 43mm five pin Euro-profile single cylinder (satin nickel)	No	2
2/8/20	"Dorma DHC-SS-031B" hat & coat hook with rubber buffer	No	4
2/8/21	"Dorma DWC-006" disabled WC indicator (Red & White) and turn knob for physically impaired	No	1
<u>Bathroom fittings:</u>			
2/8/22	"Dorma DWC-005" Bathroom WC indicator (red & white) and turn knob	No	4
2/8/23	32mm Stainless steel side grabrail (code DL2) plugged	No	1
2/8/24	32mm Stainless steel rear grabrail (code SR2A) plugged	No	1
2/8/25	Urban Cube Paper Holder (code TVURCU25A/CH)	No	5
2/8/26	Storm Soap Dispenser Single (code TVSH1120/CH)	No	6
2/8/27	Urban Cube 750mm Single Towel Rail (code TVURCU30/CH)	No	3
Carried Forward to Summary of Section No. 2			R
Section No. 2 RENOVATIONS Bill No. 8 Ironmongery POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM			

Item No		Quantity	Rate	Amount
	<p><u>SECTION 2</u></p> <p><u>BILL NO. 8</u></p> <p><u>METALWORK</u></p> <p>NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 136 for CPAP formula purposes</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Descriptions</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p><u>SUNDRY STEELWORK</u></p> <p><u>PRESSED STEEL DOOR FRAMES</u></p> <p><u>Single rebate frames suitable for half brickwalls</u></p>			
2/9/1	Frame for door size 813 x 2032mm high	No	4	
	<p><u>Single rebate frames suitable for one brickwalls</u></p>			
2/9/2	Frame for door size 813 x 2032mm high	No	2	
2/9/3	Frame for door size 900 x 2032mm high	No	1	
	<p><u>STEEL WINDOWS, DOORS, ETC</u></p> <p>NOTE : Where so described windows shall be fitted with burglar bars consisting of 20 x 5mm mild steel flat sections to standard NBP2 pattern welded at intersections and to window frame</p>			
	Carried Forward			
	<p>Section No. 2 RENOVATIONS Bill No. 9 Metalwork POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM</p>		R	

Brought Forward

R

Standard residential windows with burglar bars to opening sashes

2/9/4

Window type E1, 533 x 654mm high

No

3

Carried Forward to Summary of Section No. 2

R

Section No. 2

RENOVATIONS

Bill No. 9

Metalwork

POLOKWANE MUNICIPALITY

REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM

Item No		Quantity	Rate	Amount
	<p><u>SECTION 2</u></p> <p><u>BILL NO. 9</u></p> <p><u>PLASTERING</u></p> <p>NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 142 for CPAP formula purposes.</p> <p><u>SCREEDS</u></p> <p><u>Screeds on concrete with smooth finish to receive polish</u></p>			
2/10/1	100mm Thick on floors	m2	27	
	<p><u>INTERNAL PLASTER</u></p> <p><u>Cement plaster on brickwork</u></p>			
2/10/2	On walls	m2	128	
2/10/3	On narrow widths	m2	2	
	<p><u>CORNER PROTECTORS, DIVIDING STRIPS, ETC</u></p>			
2/10/4	3 x 32mm Flat section brass dividing strips between different floor finishes	m	3	
	<p style="text-align: right;">Carried Forward to Summary of Section No. 2</p>			R
	<p>Section No. 2 RENOVATIONS Bill No. 10 Plastering POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM</p>			

Item No		Quantity	Rate	Amount
	<p>SECTION 2</p> <p>BILL NO. 10</p> <p>PLUMBING AND DRAINAGE (PROVISIONAL)</p> <p>NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 146 for CPAP formula purposes.</p> <p>SUPPLEMENTARY PREAMBLES</p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p>uPVC pipes and fittings:</p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed</p> <p>uPVC pressure pipes and fittings:</p> <p>Pipes for water supply shall be of the class stated</p> <p>Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings</p> <p>Pipes of 50mm diameter and greater shall have sockets and spigots with push in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints</p> <p>Copper pipes:</p> <p>Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 2 RENOVATIONS Bill No. 11 Plumbing and Drainage (Provisional) POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM</p>		R	

<p style="text-align: center;">Brought Forward</p> <p><u>Fixing of pipes</u></p> <p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level</p> <p><u>Reducing fittings</u></p> <p>Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained</p> <p><u>Exposed concrete surfaces</u></p> <p>Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gulley tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster</p> <p><u>Fixing of pipes</u></p> <p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level</p> <p><u>Excavations</u></p> <p>No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling</p> <p>"Soft rock" and "hard rock" shall be as defined in "Earthworks"</p> <p><u>Laying, backfilling, bedding, etc. of pipes</u></p> <p>Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 RENOVATIONS Bill No. 11 Plumbing and Drainage (Provisional) POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM</p>		R	

Brought Forward

R

Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following:
 SABS 1200 L : Medium-pressure pipelines
 LD : Sewers
 LE : Stormwater drainage
 Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200
 DB : Earthworks (Pipe trenches)
 Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200
 LB : Bedding (Pipes).
 Unless otherwise described bedding of rigid pipes shall be class B bedding

Flush pans

Flush pans shall have straight or side outlets and "P" or "S" traps as necessary

Stainless steelbasins, sinks, wash troughs, urinals, etc.

Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable

Waste unions

Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings

SANITARY FITTINGS

"Vaal"

2/11/1

Vaal vitreous china "Urban Compact" close coupled 90 degrees outlet closed rim washdown pan and matching 6L front dual flush cistern complete with lid, fitments, quality thermostet soft-close seat and floor brackets. Timber seat to be used and painted with white.

No

4

Carried Forward

R

Section No. 2
 RENOVATIONS
 Bill No. 11
 Plumbing and Drainage (Provisional)
POLOKWANE MUNICIPALITY
REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM

Brought Forward			R
2/11/2	Vaal vitreous china "Pearl Paraplegic" semi-close coupled 90 degrees outlet open rim washdown pan and matching 9L cestern complete with lid, fitments, and purpose made C.P. side flush lever (left or right). supplied with purpose made thermoset seat and cover plate. Together with universal half Pedestal (Code 715222). Timber seat to be used and painted with white finish.	No	1
2/11/3	Vaal vitreous china 415 x 500mm round " Emerald" vanity basin with one taphole and integrated overflow. Bolted to the wall using two 10mm bolts (code 8448Z0) and an Emerald concealed wall bracket (code 8111Z0).	No	5
2/11/4	Vaal vitreous china 415 x 500mm round " Emerald" vanity basin with one taphole and integrated overflow. Bolted to the wall using two 10mm bolts (code 8448Z0) and an Emerald concealed wall bracket (code 8111Z0).	No	1
2/11/5	Vaal wall hung "Flatback" urinal. Overall size 415 x 315 x 275mm. supplied with 38mm c.p. domical grating (code 8787Z0) c.p. top inlet spreader (code 8543Z0), and two hanger brackets (code 8127Z0).	No	2
<u>WASTE UNIONS, ETC</u>			
<u>"Cobra Watertech"</u>			
2/11/6	32mm "301CP" Basin waste union	No	6
<u>TRAPS, ETC</u>			
<u>"Cobra"</u>			
2/11/7	Cobra 365/50 c.p. bottle trap with 75mm deep seal,40mm inlet to 50mm PVC outlet.	No	2
<u>TAPS, VALVES, ETC</u>			
<u>"Cobra Watertech"</u>			
2/11/8	2 x 12mm C.P lever action pillar taps	No	1
2/11/9	Grohe Eurostyle Cosmopolitan Basin Mixer (code 33552002)	No	5
Carried Forward			R
Section No. 2 RENOVATIONS Bill No. 11 Plumbing and Drainage (Provisional) POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM			

Brought Forward			R
<u>SANITARY PLUMBING</u>			
<u>uPVC pipes</u>			
2/11/10	50mm Pipes	m	22
2/11/11	110mm Pipes	m	12
<u>Extra over uPVC pipes for fittings</u>			
2/11/12	110mm Reducer	No	12
2/11/13	50mm Bend	No	12
2/11/14	110mm Pan connector	No	12
2/11/15	50mm Access bend	No	12
2/11/16	110mm Access bend	No	12
2/11/17	50mm Access junction	No	12
<u>Sundries</u>			
2/11/18	Testing waste pipe system		Item
<u>WATER SUPPLIES</u>			
<u>Class 0 copper pipes</u>			
2/11/19	15mm Pipes	m	20
2/11/20	15mm Pipes chased into brick walls	m	6
2/11/21	22mm Pipes	m	10
2/11/22	22mm Pipes chased into brick walls	m	2
<u>Extra over class 0 copper pipes for capillary fittings</u>			
2/11/23	15mm Fittings	No	18
2/11/24	22mm Fittings	No	6
Carried Forward			R
Section No. 2 RENOVATIONS Bill No. 11 Plumbing and Drainage (Provisional) POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM			

	Brought Forward	Item	R	
2/11/25	<p><u>TESTING</u></p> <p>Testing water pipe system</p>			
	<p style="text-align: center;">Carried Forward to Summary of Section No. 2</p> <p>Section No. 2 RENOVATIONS Bill No. 11 Plumbing and Drainage (Provisional) POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM</p>		R	

Item No		Quantity	Rate	Amount
	<p>SECTION 2</p> <p>BILL NO. 11</p> <p>GLAZING</p> <p>NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 150 for CPAP formula purposes</p> <p>GLAZING TO STEEL WITH PUTTY</p> <p>4mm Toughened obscure glass</p>			
2/12/1	Panes exceeding 0,5m2 and not exceeding 2m2	m2	3	
	<p>TOPS, SHELVES, DOORS, MIRRORS, ETC</p> <p>6mm Silvered float glass copper backed mirrors with polished edges holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete</p>			
2/12/2	Mirror 600 x 450mm high with four screws	No	3	
2/12/3	Mirror 400 x 450mm high with six screws	No	2	
	<p>Carried Forward to Summary of Section No. 2</p>			R
	<p>Section No. 2 RENOVATIONS Bill No. 12 Glazing POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM</p>			

Item No		Quantity	Rate	Amount
SECTION NO.4				
BILL NO. 12				
TILING				
	For preambles see " Specifications of materials and methods to be used - PW371"			
SUPPLEMENTARY PREAMBLES				
Prices				
	Prices are to include for all square cutting and waste, cleaning off on completion and protection from injury. Areas are measured net to face of bare brickwork and concrete. Any additional area caused by the thickness of tiling and screed are to be allowed for in prices			
WALL TILING				
	<u>600 x 300mm CTM African slate cladding matt finish ceramic wall tile fixed with adhesive approved by the manufacturer to plaster (plaster elsewhere)and flush pointed with tinted waterproof jointing compound</u>			
2/13/1	On walls	m2	6	
	Carried Forward to Summary of Section No. 2		R	
Section No. 2	RENOVATIONS			
Bill No. 13	Tiling			
POLOKWANE MUNICIPALITY	REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM			

Item No		Quantity	Rate	Amount
	SECTION 2			
	BILL NO. 13			
	PAINTWORK			
	NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 152 for CPAP formula purposes			
	ON FLOATED PLASTER			
	<u>One coat alkali resistant primer, one undercoat and two coats eggshell enamel paint</u>			
2/14/1	On internal walls	m2	27	
	ON FIBRE-CEMENT			
2/14/2	On fascias and bargeboards	m	28	
	ON WOOD			
	<u>One coat wood primer, one undercoat and two coats high gloss enamel paint</u>			
2/14/3	On doors	m2	16	
	<u>Three coats polyurethane semi-gloss varnish</u>			
2/14/4	On doors	m2	11	
	<u>Spot priming defects in pre primed surfaces with zinc chromate primer and applying one undercoat and two coat high gloss enamel paint on steel</u>			
	ON METAL			
2/14/5	On door frames	m2	14	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2 RENOVATIONS Bill No. 14 Paintwork POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM			

Bill No	<u>SECTION SUMMARY - RENOVATIONS</u>	Page No	Amount
	Section No. 2		
	RENOVATIONS		
	<u>SECTION SUMMARY - RENOVATIONS</u>		
2/1	Alterations	-28-	
2/2	Foundations (Provisional)	-30-	
2/3	Concrete, Formwork and Reinforcement	-32-	
2/4	Masonry	-33-	
2/5	Waterproofing	-34-	
2/6	Carpentry and Joinery	-37-	
2/7	Ceilling etc.	-38-	
2/8	Ironmongery	-41-	
2/9	Metalwork	-43-	
2/10	Plastering	-44-	
2/11	Plumbing and Drainage (Provisional)	-50-	
2/12	Glazing	-51-	
2/13	Tilling	-52-	
2/14	Paintwork	-53-	
	Carried to Final Summary		R
	Section No. 2		
	RENOVATIONS		
	POLOKWANE MUNICIPALITY		
	REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM		

Item No		Quantity	Rate	Amount
	<u>SECTION NO.3</u>			
	<u>BILL NO. 1</u>			
	<u>EXTERNAL WORKS</u>			
	<u>THE FOLLOWING IN WALKWAYS, ETC.</u>			
	<u>EXCAVATION, FILLING, ETC</u>			
	<u>Excavations 150mm layer under surface beds including backfilling and compacted to 93% Mod AASHTO density</u>			
3/1/1	Under floors, steps, paving, etc	m3	40	
	<u>Compaction of surfaces</u>			
3/1/2	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	400	
	<u>UNREINFORCED CONCRETE</u>			
	<u>20MPa/19mm concrete</u>			
3/1/3	Surface beds on waterproofing	m3	40	
	<u>CONCRETE SUNDRIES</u>			
	<u>Finishing top surfaces of concrete smooth with a steel trowel</u>			
3/1/4	Walkway floor to falls	m2	400	
	Carried to Final Summary			R
	Section No. 3			
	EXTERNAL WORKS			
	Bill No. 1			
	External Works			
	POLOKWANE MUNICIPALITY			
	REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM			

Item No		Quantity	Rate	Amount
	<p>SECTION 4</p> <p>PROVISIONAL SUMS</p> <p>BILL NO. 1</p> <p>PROVISIONAL SUMS</p> <p>1. The Contractor's attention is drawn specifically to the Principal Building Agreement Clause 20.0 (Nominated Sub-Contractors), Clause 21.0 (Selected Sub-Contractors) and Clause 22 (Work by Others) and to the related Clauses in Bill No. 1 - Preliminaries.</p> <p>2. The Contractor's attention is drawn also to the definition of attendance on Nominated or Selected Sub-Contractors and of fuel, power and water for commissioning of mechanical and other specialised installations given in in the JBCC Preliminaries.</p> <p>3. Where special attendance includes the provision of hoisting facilities for a Sub-Contractor then the Contractor shall:-</p> <ul style="list-style-type: none"> * Ensure that the capacities of his hoisting equipment are sufficient to deal with the masses and the quantities of the items to be hoisted, * Schedule the items of availability of the hoisting equipment for each Sub-Contractor, * Provide all necessary personnel to operate the hoisting equipment, <p>4. Under no circumstances may any Prime Cost - Provisional Amount, etc. be extended at an amount lower than the amount given in this Bill.</p> <hr/> <p>Signage</p>			
4/1/1	<p>Allow the Provisional Amount of R25 000.00 (Twenty Five Thousand Rand) for installation of signage.</p>	Item		25,000 00
	<p style="text-align: right;">Carried Forward</p> <p>Section No. 4 PROVISIONAL SUMS Bill No. 1 PROVISIONAL SUMS POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM</p>		R	

Brought Forward			R	
4/1/2	Allow for profit	%		
4/1/3	Allow for general attendance	%		
<u>Electrical Works</u>				
4/1/4	Provide the amount of R10 000.00 for electrical works.	Item	10,000	00
4/1/5	Allow for profit	%		
4/1/6	Allow for attendance	%		
<u>Fire Fighting Equipment</u>				
4/1/7	Provide the amount of R30 000.00 for fire fighting equipment.	Item	30,000	00
4/1/8	Allow for profit	%		
4/1/9	Allow for attendance	%		
<u>Septic Tank and French Drain</u>				
4/1/10	Provide the amount of R100 000.00 for sewer system.	Item	100,000	00
4/1/11	Allow for profit	%		
4/1/12	Allow for attendance	%		
<u>Alterations to Curio Shop</u>				
4/1/13	Provide the amount of R35 000 for alterations to curio shop.	Item	35,000	00
Carried to Final Summary			R	
Section No. 4 PROVISIONAL SUMS Bill No. 1 PROVISIONAL SUMS POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM				

Section No	<u>FINAL SUMMARY</u>	Page No	Amount
1	PRELIMINARIES AND GENERALS	-26-	
2	RENOVATIONS	-54-	
3	EXTERNAL WORKS	-55-	
4	PROVISIONAL SUMS	-57-	
	Sub-Total (A)		R
	<u>CONTINGENCIES</u>		
	Allow 5% of the sub-total (A) for contingencies to be used as directed by the Principal Agent and deducted in whole or in part if not required	Item	
	<u>COMMUNITY LIASON OFFICER</u>		
	Provide the amount of R18,000.00 (Eighteen Thousand Rand @R4,500.00/month) for the appointment of community liason officer	Item	
	Sub-Total (B)		R
	Add Value Added Tax		R
	Carried to Form of Tender		R
	POLOKWANE MUNICIPALITY REFURBLISHMENT TO BAKONI MALAPA OPEN AIR MUSEUM		