

REFURBISHMENT OF SARS PHYSICAL FACILITIES ORTAMBO INTERNATIONAL
ARRIVAL

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 1</u></p> <p><u>PRELIMINARIES</u></p> <p><u>BUILDING AGREEMENT AND PRELIMINARIES</u></p> <p>The agreement is to be the JBCC Series 2000 Principal Building Agreement, 6.2 Edition May 2018, and other contract documents that together form the contract between the employer and contractor</p> <p>The JBCC Principal Building Agreement contract data form an integral part of this agreement</p> <p>The ASAQS Preliminaries (March 2014 edition) published by the Association of South African Quantity Surveyors for use with the JBCC Principal Building Agreement shall be deemed to be incorporated in these bills of quantities</p> <p>The contractor is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause</p> <p>The clauses in the above mentioned documents 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 supplement as will apply are given under each relevant clause heading and such modifications, corrections or supplements shall take precedence notwithstanding anything to the contrary contained in the above mentioned documents</p> <p>Where any item is not relevant to this agreement such item is marked N/A (signifying "not applicable")</p>			
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 Preliminaries ORTAMBO International Arrival Proposal 21 Provisional Bills of Quantities</p>			

	Brought Forward		R	
	<p><u>PREAMBLES FOR TRADES</u></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>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 Model Preambles</p> <p>The contractor's prices for all items throughout these bills of quantities shall take account of and include for all of the obligations, requirements and specifications given in the 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 clause 26.9.4 of the contract data 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: MINOR WORKS AGREEMENT</u></p> <p><u>ACSA vetting, Permits and Training</u></p>			
1	ACSA site access permit cost = R600p/p	No		
2	Security and Safety training(ACSA cost =R800 p/p	No		
	<p><u>Interpretation</u></p> <p>3 Definitions and Interpretation</p> <p>F:..... V:.....</p> <p>T:.....</p>			
4	<p>Law, Regulations and Notices (Clause 2)</p> <p style="text-align: center;">Carried Forward</p>			
	<p>Section No. 1</p> <p>Bill No. 1</p> <p>Preliminaries</p> <p>ORTAMBO International Arrival Proposal 21</p> <p>Provisional Bills of Quantities</p>		R	

<p style="text-align: center;">Brought Forward</p> <p>Health and safety</p> <p>Without limiting the generality of the provisions of clause 2.0, the contractor's attention is drawn to the provisions of Construction Regulations 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 provisions of the aforementioned health and safety specification</p> <p>The contractor shall:</p> <ol style="list-style-type: none"> 1. Comply to all OHS requirements stipulated in the Occupational Health and Safety Act 85 of 1993 (Construction Regulations) 2. Comply with the health and safety specification for the works 3. Prepare and agree with the health and safety consultant the health and safety plan for the works 4. Co-operate with the health and safety consultant in all respect 5. Manage the compliance of all subcontractors with the regulations and with the health and safety plan and specification 6. Conform to the conditions contained in the employer's safety specification <p>On appointing any other contractor, in order to ensure compliance with the provisions of the Act:</p> <ul style="list-style-type: none"> · Provide contractors who are tendering to perform construction work for the principal contractor, with the relevant sections of the health and safety specifications contemplated pertaining to the construction work which has to be performed · Make sufficient provision for health and safety measures during the construction process · Ensure that no contractor is appointed to perform construction work unless the principal contractor is reasonably satisfied that the <p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries ORTAMBO International Arrival Proposal 21 Provisional Bills of Quantities</p>		R		
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	<p>contractor that he or she intends to appoint, has the necessary competencies and resources to perform the construction work safely. Ensure all OHS required legislation is in place prior to work commencing</p> <p>F:..... V:..... T:.....</p>			
5	Offer and Acceptance	Item		
	<p>F:..... V:..... T:.....</p>	Item		
6	Cession and Assignment	Item		
	<p>F:..... V:..... T:.....</p>	Item		
7	Documents	Item		
	<p>F:..... V:..... T:.....</p>	Item		
8	Employer's Agents (Clause 6)	Item		
	<p>F:..... V:..... T:.....</p>	Item		
9	Design Responsibility (Clause 7)	Item		
	<p>F:..... V:..... T:.....</p>	Item		
	<u>Insurance and Security</u>			
10	Works Risk (Clause 8)	Item		
	<p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 Preliminaries ORTAMBO International Arrival Proposal 21 Provisional Bills of Quantities</p>			

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	Brought Forward		R	
11	Indemnities F:..... V:..... T:.....	Item		
12	Insurances F:..... V:..... T:.....	Item		
13	Security Refer to Contract Data for specifics F:..... V:..... T:.....	Item		
	<u>Execution</u>			
14	Obligations of the Parties F:..... V:..... T:.....	Item		
15	Setting out Encroachments The contractor shall notify the principal agent if any encroachment of adjoining foundations, buildings, structures, pavements, boundaries, services, etc exist in order that the necessary arrangements may be made for the rectification of any such encroachments F:..... V:..... T:.....	Item		
16	Nominated Subcontractors F:..... V:..... T:.....	Item		
17	Selected Subcontractors F:..... V:..... T:.....	Item		
	Carried Forward		R	
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18	<p>Direct Contractors</p> <p>Designate an area for the direct contractor to establish a temporary office and workshop and storage of equipment and materials</p> <p>Allow the use of personnel welfare facilities, where provided</p> <p>Provide water, lighting and single phase electric power to a position within 50m of the place where the direct contract work is to be carried out, other than fuel or power for commissioning of any installation</p> <p>Permit the direct contractor to use erected scaffolding, hoisting facilities, etc provided by the contractor, in common with others having the like right while it remains erected on the site</p> <p>F:..... V:..... T:.....</p>	Item		
19	<p>Contract instructions Site Instructions</p> <p>Instructions issued on site are to be recorded in a site instruction book which is to be supplied and maintained on site by the contractor</p> <p>F:..... V:..... T:.....</p> <p><u>Completion</u></p>	Item		
20	<p>Interim Completion</p> <p>F:..... V:..... T:.....</p>	Item		
21	<p>Practical Completion</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 Preliminaries ORTAMBO International Arrival Proposal 21 Provisional Bills of Quantities</p>			

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	Brought Forward		R	
22	Completion in sections F:..... V:..... T:.....	Item		
23	Defects Liability Period and Final Completion F:..... V:..... T:.....	Item		
24	Latent defects liability period	Item		
25	Revision of Date for Practical Completion The removal or substitution of any materials and goods 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 F:..... V:..... T:.....	Item		
26	Penalty for Late or Non-Completion F:..... V:..... T:.....	Item		
	Carried Forward		R	
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	Brought Forward		R	
	<u>Payment</u>			
27	<p>Payment</p> <p>Materials and goods stored off site</p> <p>Materials and goods stored off site shall not be included in the amount authorised for payment unless Advanced Payment Guarantee provided</p> <p>Fluctuations in costs</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</p> <p>Prices submitted</p> <p>Where prices are submitted by the contractor or 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>F:..... V:..... T:.....</p>	Item		
28	<p>Adjustment of the Contract Value and Final Account</p> <p>Cost of claims</p> <p>All costs incurred by the contractor in the preparation of claims shall be borne by the contractor The contractor shall review, assess and adjudicate any claims received by him from any subcontractor and thereafter submit same to the principal agent with a recommendation to assist the principal agent in adjudicating the claim</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 Preliminaries ORTAMBO International Arrival Proposal 21 Provisional Bills of Quantities</p>			

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	Brought Forward		R	
29	Recovery for Late and/or Loss F:..... V:..... T:.....	Item		
	<u>Suspension and Termination</u>			
30	Suspension by the Contractor F:..... V:..... T:.....	Item		
31	Termination F:..... V:..... T:.....	Item		
	<u>Dispute Resolution</u>			
32	Dispute Resolution F:..... V:..... T:.....	Item		
	<u>SECTION B: PRELIMINARIES</u>			
	<u>Definition and interpretation</u>			
33	Definitions F:..... V:..... T:.....	Item		
34	Interpretation F:..... V:..... T:.....	Item		
	<u>Documents (B2)</u>			
35	Checking of documents F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries ORTAMBO International Arrival Proposal 21 Provisional Bills of Quantities			

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Brought Forward			R	
36	Provisional bills of quantities F:..... V:..... T:.....	Item		
37	Availability of construction documentation The budgetary allowances and selected subcontract amounts allocated for subsequent trades included in this document will be separately procured, based on selected subcontractors during the construction period F:..... V:..... T:.....	Item		
<u>Previous work and adjoining properties</u>				
38	Previous work - dimensional accuracy F:..... V:..... T:.....	Item		
39	Previous work - defects F:..... V:..... T:.....	Item		
40	Inspection of adjoining properties F:..... V:..... T:.....	Item		
<u>Samples and shop drawings</u>				
41	Samples of materials F:..... V:..... T:.....	Item		
42	Workmanship samples F:..... V:..... T:.....	Item		
Carried Forward			R	
Section No. 1 Bill No. 1 Preliminaries ORTAMBO International Arrival Proposal 21 Provisional Bills of Quantities				

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	Brought Forward		R	
43	Shop drawings F:..... V:..... T:.....	Item		
44	Compliance with manufacturer's instructions F:..... V:..... T:.....	Item		
	<u>Deposits and fees</u>			
45	Deposits and fees F :..... V:..... T:.....	Item		
	<u>Temporary Services</u>			
46	Water F:..... V:..... T:.....	Item		
47	Electricity F:..... V:..... T:.....	Item		
48	Ablution facilities F:..... V:..... T:.....	Item		
49	Communication facilities F:..... V:..... T:.....	Item		
	<u>Prime cost amounts</u>			
50	Responsibility for prime cost amounts F :..... V:..... T:.....	Item		
	Carried Forward		R	
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	Brought Forward		R	
	<u>Special attendance on N/S subcontractors</u>			
51	Special attendance F:..... V:..... T:.....	Item		
	<u>General</u>			
52	Protection of works F:..... V:..... T:.....	Item		
53	Protection/isolation of existing/sectionally occupied works F:..... V:..... T:.....	Item		
54	Security of the works F:..... V:..... T:.....	Item		
55	Notice before covering work F:..... V:..... T:.....	Item		
56	Disturbance F:..... V:..... T:.....	Item		
	Carried Forward		R	
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	Brought Forward		R	
57	<p>Environmental disturbance</p> <p>Controlling all forms of pollution</p> <p>The contractor shall be responsible for and take all precautions in controlling by whatever means necessary all forms of pollution during the construction period due <i>inter alia</i> to noise, artificial light, wind-blown sand, dust, deposits of mud, etc</p> <p>The contractor is to ensure that all roads which border the site and is used by the contractor during the execution of the works are kept clean and free of any dirt or debris caused by the execution of the works</p> <p>Environmental management plan</p> <p>The employer has prepared an environmental management plan (EMP) (Part C4 : Site Information, Clause C4.7 for a copy of the relevant plan). The contractor shall price opposite this item for compliance with all the requirements of such EMP</p> <p>F :..... V:..... T:.....</p>	Item		
58	<p>Works cleaning and clearing</p> <p>F:..... V:..... T:.....</p>	Item		
59	<p>Vermin</p> <p>F:..... V:..... T:.....</p>	Item		
60	<p>Overhand work</p> <p>F:..... V:..... T:.....</p>	Item		
61	<p>Removal of rubble from site</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
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	Brought Forward		R	
62	<p>Health and safety file</p> <p>F:..... V:..... T:.....</p> <p><u>Schedule</u></p> <p>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</p> <p>10.1 Provisional bills of quantities The quantities are provisional: [Yes]</p> <p>10.2 Availability of construction documentation Construction documentation is complete [Yes]</p> <p>10.3 Previous work - dimensional accuracy Contractor to inspect dimensions on the drawings against previous work prior to execution [Yes]</p> <p>10.4 Previous work - defects Contractor to inspect previous work and bring to the attention of the Principal Agent should there be noticeable defects [No]</p> <p>10.5 Inspection of adjoining properties [No]</p> <p>10.6 Water Option A (by Contractor) [No] Option B (by Employer - free of charge) [Yes] Option C (by Employer - metered) [No]</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 Preliminaries ORTAMBO International Arrival Proposal 21 Provisional Bills of Quantities</p>			

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<p style="text-align: center;">Brought Forward</p> <p>10.7 Electricity Option A (by Contractor) [No] Option B (by Employer - free of charge) [Yes] Option C (by Employer - metered) [No]</p> <p>10.8 Ablution facilities Option A (by Contractor) [No] Option B (by Employer - free of charge) [Yes] Option C (by Employer - metered) [No]</p> <p>10.9 Telecommunications Option A (by contractor) [Yes] Option B (by employer) [No]</p> <p>10.10 Protection of the works [Yes]</p> <p>10.11 Protection of existing/sectionally occupied works [Yes]</p> <p>10.12 Disturbance [Yes]</p> <p>10.13 Environmental disturbance [No]</p> <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>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries ORTAMBO International Arrival Proposal 21 Provisional Bills of Quantities</p>		R	

**REFURBISHMENT OF SARS PHYSICAL FACILITIES ORTAMBO INTERNATIONAL
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	Brought Forward		R	
63	<p>Site instructions</p> <p>Instructions issued on site are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor</p> <p>F :..... V:..... T:.....</p>	Item		
64	<p>Warranties for material and workmanship</p> <p>Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty, 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 warranty shall state that workmanship, materials and installation are warranted for a specified period from the date of final completion 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 to do so. The warranty 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</p> <p>F :..... V:..... T:.....</p>	Item		
Carried Forward to Summary of Section No. 1			R	
<p>Section No. 1</p> <p>Bill No. 1</p> <p>Preliminaries</p> <p>ORTAMBO International Arrival Proposal 21</p> <p>Provisional Bills of Quantities</p>				

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 2</u>			
	<u>ALTERATIONS, ETC.</u>			
	<u>NOTES</u>			
	Attention is directed to the relevant sections of the Model Preambles for Trades which forms a part of this Bill and must be read in conjunction herewith.			
	<u>DEMOLITIONS ETC</u>			
	<u>Breaking down and removing ceiling etc</u>			
1	Take out ceiling panels, grid and tee's to accommodate the new ceilings inside operational overview room.	No	33	
2	Repair damaged ceiling where necessary or indicated	m2	15	
	<u>Breaking down and remove existing floor coverings</u>			
3	Take out ceramic tiles where queuing systems and stainless steel bumper guards are removed and replace them with new to match the existing	m2	20	
	<u>Remove existing partitioning and etc</u>			
4	Remove existing glass panel partitioning and frames including all accessories.	m	75	
	<u>Take out and remove queuing system</u>			
5	Removal of queuing system including all accessories	No	1	
	<u>Breaking down and taking out stainless steel bumpers</u>			
6	Take out existing stainless steel bumper guards	m	8	
	<u>Removal of Doors</u>			
7	Take out existing strong room door SABS CAT category 4.	No	1	
	Carried Forward		R	
	Section No. 1 Bill No. 2 Alterations ORTAMBO International Arrival Proposal 21 Provisional Bills of Quantities			

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	Brought Forward			R	
8	Remove access control boom gate and make good on floor.	No	1		
9	Take out existing fire rated double door and frame.	No	1		
	<u>Patch cracks</u>				
10	Patch cracks on walls with polyfiller and make good	m2	5		
	<u>Removal of electrical wires</u>				
11	Allow for removal of electrical wires and network that are laying on the floor.		Item		
12	Relocate plugs to the power skirting	No	7		
Carried Forward to Summary of Section No. 1				R	
Section No. 1					
Bill No. 2					
Alterations					
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Item No		Quantity	Rate	Amount
	<u>BILL NO. 3</u>			
	<u>CARPENTRY AND JOINERY</u>			
	<u>STANDARD PREAMBLES</u>			
	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			
	<u>PROTECTION OF WORK</u>			
	<u>Hoarding</u>			
1	Install 12mm melamine grey chipboard (grey cambrink) hoarding	m	78	
	<u>FIRE RATED DOORS, STRONG ROOM DOORS AND FRAMES ETC</u>			
	<u>2 hour fire rated door</u>			
2	Re install fire rated double door, frame and accessories.	No	1	
	<u>FITTINGS</u>			
	<u>General</u>			
	The following cupboard fittings have been measured as complete units ie the components of the units have not been separately measured. The descriptions, therefore, of such units shall be deemed to include all components, assembling, housing, notching, gluing, blocking, planting on and screwing with countersunk screws, edge strips, decorative plastic finish, glass, ironmongery, metalwork, paint or varnish finishes, etc			
	Carried Forward		R	
	Section No. 1 Bill No. 3 Carpentry and Joinery ORTAMBO International Arrival Proposal 21 Provisional Bills of Quantities			

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<p><u>User note:</u></p> <p>The above clause is to be amended if any or all the items of other trades ie glass, ironmongery, metalwork, paint or varnish finishes are measured separately and a statement to this effect shall be included</p> <p>The references given in the descriptions are to the respective types of fittings detailed on the architect's drawings numbered annexed to these bills of quantities/accompanying these bills of quantities for tender purposes</p> <p><u>QUARTZ COUNTER TOP (Easiquartz Magnolia)</u></p> <p><u>Install and supply of quartz top as per drawing specifications</u></p>				
3	1850mm x 650mm x 30mm thick quartz counter top with bullnose front edge on top and bottom including all accessories.	No	1	
<p><u>KITCHEN CUPBOARDS, ETC.</u></p> <p><u>Kitchen cupboards etc with type "aluminium" hinges, type "Rocco" handles and drawer slides</u></p> <p><u>Install and supply Melawood shelves as per drawing specifications</u></p>				
4	1100mm x 195 x 500mm yardley shelf.	No	2	
<p><u>Install and supply Melawood cupboard doors as per drawing specifications</u></p>				
5	460mm x 779mm grade A Melawood cupboard door panels in PG Bison Dunblane grey, including hinges and screws.	No	4	
6	460mm x 779mm grade A Melawood cupboard door panels in PG Bison petrol blue, including hinges and screws.	No	2	
Carried Forward			R	
<p>Section No. 1 Bill No. 3 Carpentry and Joinery ORTAMBO International Arrival Proposal 21 Provisional Bills of Quantities</p>				

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<u>Install and supply Melawood shelves as per drawing specifications</u>				
7	460mm x 779mm grade A Melawood vertical divider shelf panels in PG Bison Dunblane white, including screws.	No	5	
8	460mm x 779mm grade A Melawood horizontal divider shelf panels in PG Bison Dunblane white.	No	3	
9	460mm x 779mm grade A Melawood horizontal bottom panels in PG Bison Dunblane white.	No	3	
<u>Install and supply Melawood Drawers as per drawing specifications</u>				
10	Grade A Melawood drawers in PG Bison picco white strata including 500mm ball bearing sliders.	No	4	
11	Rocco iris matt back cupboards drawer handles.	No	4	
12	Rocco iris matt back cupboards door handles.	No	6	
<u>Install and supply bulkheads as per drawing specifications</u>				
13	600mm high x 20mm thick bulkheads panels finish with blunndane grey including all accessories.	m	4	
<u>BUDGETARY ALLOWANCE.</u>				
<u>Special service counters</u>				
14	Allow for budgetary allowance of (R760 000.00) Seven Hundred and Sixty Thousand Rand only for supply and installation of service counters.		Item	
Carried Forward to Summary of Section No. 1			R	
Section No. 1 Bill No. 3 Carpentry and Joinery ORTAMBO International Arrival Proposal 21 Provisional Bills of Quantities				

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Item No	Quantity	Rate	Amount
<u>BILL NO. 4</u>			
<u>FLOOR COVERINGS AND WALL LINING</u>			
<u>STANDARD PREAMBLES</u>			
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			
<u>FLOOR COVERINGS</u>			
<u>Replace floor covering to match existing</u>			
1	Patch the floor to match the existing tiles	m2	60
<u>500 X 500mm x 6mm Nexus Design options (basket weave) colour Rope plain backed, laid accordance with SABS 0186-1990 fixed with adhesive on screed.</u>			
2	Carpet tiles to floor	m2	33
Carried Forward to Summary of Section No. 1			R
Section No. 1 Bill No. 4 Floor covering			
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Item No	Quantity	Rate	Amount
<p><u>BILL NO. 5</u></p> <p><u>IRONMONGERY</u></p> <p><u>STANDARD PREAMBLES</u></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><u>DOOR STOPPER</u></p>			
1	IW 500 cylinder door stop	No	2
<p>Carried Forward to Summary of Section No. 1</p> <p>Section No. 1 Bill No. 5 Ironmongery ORTAMBO International Arrival Proposal 21 Provisional Bills of Quantities</p>			<p>R</p>

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Item No		Quantity	Rate	Amount
	<u>BILL NO.8</u>			
	<u>PVC CONDUIT</u>			
	<u>Fixed in dry wall partitioning not exceeding 3000mm above floor level</u>			
1	Main DB COC (and the entire electrical installation connected to the DB- including Decommissioning of existing)	No 1		
2	300mm Cable Tray (Electrical)	m 39		
3	300mm Cable Tray Supports	lot 1		
4	300mm Cable Tray (33% In, 33% Out Elbows 33% T-Pieces)	No 4		
5	300mm Cable Trunking (IT, Security and Access)	m 39		
6	300mm Cable Tray Supports	lot 1		
7	300mm Cable Trunking (33% In, 33% Out Elbows 33% T-Pieces)	No 4		
8	5A Plugs for Light Fittings	No 60		
9	Double 185mm x 50mm Power Skirting SANS 164-2 Plugs	m 45		
10	Double 185mm x 50mm Power Skirting SANS 164-2 (In Elb)	No 3		
11	185mm x 50mm 5m Power Poles (Incl. 4 Red, 4 White Plug)	No 5		
	Carried Forward		R	
	Section No. 1 Bill No. 8 Electrical work ORTAMBO International Arrival Proposal 21 Provisional Bills of Quantities			

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	Brought Forward			R	
12	GP Wire 2,5mm Sq	m	240		
13	Cable Accessories (Lugs, Joints. Etc.)	lot	1		
14	Flat Panel LED Lighting SARS Code: RFLED - 6 x 6 - 01 (Kitch	No	39		
15	PioLED Iris Type Panel Downlight 1x12W LED 3000K 110	No	5		
16	20A Circuit Breakers	No	5		
17	16A Power Points (Blue male)	m	21		
18	4 x 4 Box in Power in Drywall Power Skirting Plugs.	No	12		
19	5m Power Pole	No	5		
20	5m Cable Drop	No	7		
21	Flexible PVC Conduit (Interconnection for On Desk Power	m	25		
22	Presence Sensors (With Motion Detectors)	No	3		
23	Signage	No	5		
Carried Forward to Summary of Section No. 1				R	
Section No. 1					
Bill No. 8					
Electrical work					
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Item No		Quantity	Rate	Amount
	<p><u>BILL NO.9</u></p> <p><u>PLUMBING AND DRAINAGE</u></p> <p><u>STANDARD PREAMBLES</u></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><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>"Polycop" polypropylene pipes:</u></p> <p>Polypropylene pipes 54mm diameter and under shall be seamless copper coloured class 16 pipes jointed with "Fast-fuse" heat welded thermoplastic or brass compression fittings as designed for use with copper pipes as stated</p> <p>Pipes shall be firmly fixed to walls etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions</p> <p>All pipe diameters are nominal external</p> <p><u>"Polylink" polypropylene pipes:</u></p> <p>Polypropylene pipes 63mm diameter and over shall be class 12 pipes jointed with cast iron "Supraclamp" running joints</p> <p>Fusion welded bends, once or twice mitred as necessary, and tees shall be factory manufactured</p> <p>Fusion welded bends and tees shall include jointing to pipes with PVC rubber ring double Z joint couplers</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Bill No. 9 Plumbing and drainage ORTAMBO International Arrival Proposal 21 Provisional Bills of Quantities</p>			
			R	

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<p style="text-align: center;">Brought Forward</p> <p>Branch tees shall include flanged and bolted joints to "Polycop" branch pipes in addition and for brass compression male iron to copper straight couplers</p> <p>Reducers shall include jointing to pipes with PVC rubber ring double Z joint couplers and reducers shall be of sufficient overall length to accommodate same</p> <p>All pipes shall be jointed and fixed strictly in accordance with the manufacturer's instructions</p> <p>All pipe diameters are nominal external</p> <p><u>Concrete pipes:</u></p> <p>Pipes shall be jointed with ogee joints with rubber collars or socket and spigot joints with rubber rings</p> <p><u>Vitrified clay pipes:</u></p> <p>Pipes shall rest on solid ground and, where necessary, pockets of sufficient size shall be cut around joints to enable the jointing to be properly performed or, alternatively, pipes shall be bedded full length on and including unreinforced concrete laid in a semi-dry state immediately before pipes are laid</p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p><u>uPVC pipes and fittings:</u></p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed</p> <p><u>uPVC pressure pipes and fittings:</u></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 style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 9 Plumbing and drainage ORTAMBO International Arrival Proposal 21 Provisional Bills of Quantities</p>		R	
		R	

<p style="text-align: center;">Brought Forward</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><u>Copper pipes:</u></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-siphon 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><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>Lead pipes and fittings</u></p> <p>All soldered joints shall be wiped and brass unions shall be used for jointing lead to steel</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>Wire gratings</u></p> <p>Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 9 Plumbing and drainage ORTAMBO International Arrival Proposal 21 Provisional Bills of Quantities</p>		R	

<p style="text-align: center;">Brought Forward</p> <p><u>Septic tanks</u></p> <p>Descriptions of septic tanks shall be deemed to include excavation, bedding and jointing, concrete base slabs, jointing to drains and backfilling, compaction, etc all in accordance with the manufacturer's instructions</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>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> <p>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</p> <p><u>Stainless steel basins, sinks, wash troughs, urinals, etc.</u></p> <p>Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable</p> <p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 9 Plumbing and drainage ORTAMBO International Arrival Proposal 21 Provisional Bills of Quantities</p>		R		
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	Brought Forward			R	
	<p><u>Waste unions</u></p> <p>Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings</p> <p><u>Steel sectional water tanks</u></p> <p>Tanks shall comply with SABS CKS 114</p> <p><u>"Densyl" petrolatum anti-corrosion tape as manufactured by Denso SA (Pty) Ltd.</u></p> <p>Pipes to be taped shall be coated with the appropriate primer and the tape shall be applied with minimum 15mm lap per spiral unless otherwise described</p> <p>Couplings and fittings to pipes shall be taped in strict accordance with the manufacturer's instructions including all mastic, tape, "Layflat" sheeting, securing of same, etc</p> <p><u>SANITARY FITTINGS</u></p> <p><u>Supply and install Sanitary fittings as per drawings specifications.</u></p>				
1	7.5L zip hydro-boil with isolator switch and cabling, and fitted as per specifications (SARS Code: P-HB-7.5L-S/S) including all accessories	No	1		
	<p><u>Supply and install Sink as per drawings specifications</u></p>				
2	1100mm x 500mm Franke quinline sink QL x 621-110, product code: 86006 with Spazi double bowl product code:301251 and all accessories.	No	1		
	<p><u>Supply and install Sink mixer as per drawings specifications</u></p>				
3	Cascade Swivel chrome top sink mixer, product code: 303355 including all accessories.	No	1		
	Carried Forward			R	
	<p>Section No. 1 Bill No. 9 Plumbing and drainage ORTAMBO International Arrival Proposal 21 Provisional Bills of Quantities</p>				

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Brought Forward			R
<u>Supply and install Geyser as per drawings specifications</u>			
4	Kwikhot PRX-10-UB 10L under counter geyser fitted with the inclusive of master flow valves, isolator plug and all accessories.	No	1
<u>Supply and install filter as per drawings specifications</u>			
5	Zip 3 filter under the counter	No	1
<u>Supply and install Saniflo sanivite pump as per drawings specifications</u>			
6	Saniflo Sanivite pump under the counter	No	1
<u>Compliance of certificate for plumbing and drainage</u>			
7	Allow for certificate of compliance	No	1
<u>PLUMBING AND DRAINAGE</u>			
<u>Budgetary allowance</u>			
8	Budgetary allowance of (R30 000.00) Thirty Thousand Rand Only for supply and installation of water pipes to kitchen unit for the floors.	Item	30 000.00
Carried Forward to Summary of Section No. 1			R
Section No. 1 Bill No. 9 Plumbing and drainage ORTAMBO International Arrival Proposal 21 Provisional Bills of Quantities			

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Item No	Quantity	Rate	Amount
<u>BILL NO.10</u>			
<u>PAINT WORK</u>			
<u>NOTES</u>			
Attention is directed to the relevant sections of the Model Preambles for Trades which forms a part of this Bill and must be read in conjunction herewith.			
<u>Surface shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with suitable filler and finished smooth.</u>			
1	On walls- two coats dulux Wash and wear kids glove (6J-1-2) or plascon double velvet pleasant point (E13-1) WP04	m2	254
2	Two coats of paint on walls(ACSA to confirm paint specifications)	m2	243
Carried Forward to Summary of Section No. 1			R
Section No. 1 Bill No. 10 Paint work			
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SECTION SUMMARY - Section 1				
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