

1. EXTENT OF CONTRACT

Building contract

The work embodied in the contract comprises refurbishment of the warehouse.

The successful tenderer for this contract will be appointed in terms of the Principal Building Agreement, May 2018 Edition 6.2 prepared by the Joint Building Contracts Committee (JBCC Series 2000).

2. ACQUAINTANCE WITH TENDER DOCUMENTS

By submission of a tender, the contractor shall be deemed to have acquainted himself with the contract documents, local requirements and laws and all aspects of the work envisaged in the documents, prior to pricing and submission of a tender. It is of vital importance that the tenderers visit the site prior to the submission of a tender to study conditions on site.

No claim resulting from failure to comply with any of the above will be entertained.

3. CONTRACT DOCUMENTS

The contract documents shall comprise:

- * This tender enquiry document, bills of quantities and its annexures.
- * The following drawings, to be read in conjunction with the bills of quantities:

4. BILLS OF QUANTITIES

These bills of quantities contain pages numbered consecutively as indicated in the Index. Before the contractor submits his tender he should check the number of pages, and if any are found to be missing or duplicated, or the figures or writing indistinct, or the tender documents contain any obvious errors, he should apply to the quantity surveyors at once and have same rectified as no liability whatsoever will be admitted by the quantity surveyors in respect of errors in a tender due to the foregoing.

On no account should these documents be used for placing orders for materials. The contractor may do so at his own risk but shall not be reimbursed for additional costs so incurred.

Unless a separate rate for the supply and for the installation of any items is specifically called for, the supply and installation costs of any item shall be deemed to be fully included in the unit price.

5. MATERIAL AND LABOUR COST FLUCTUATIONS

Tenders shall be fixed ie inclusive of provision for material and labour cost fluctuations during the course of the works.

6. CONTRACT PERIOD

Building contract

Tenderers attention is drawn to Section No 1 (Preliminaries) of this document, which contains commencement and completion dates as well as penalties applicable for late completion.

7. CONDITIONS TO BE OBSERVED IN TENDERING

- 7.1 Bidders should input their company name on each page of the Bill Of Quantities (BOQ).
- 7.2 Bidders must provide the Price (Excluding VAT) for ALL sections of the BOQ. The VAT portion of this tender is covered on the Final summary page on the BOQ
- 7.3 The price validity for this bid is for a maximum period of 180 calendar days from the closing date.
- 7.4 The employer will not be responsible for, or pay for, expenses or losses, which may be incurred by any tenderer in the preparation of his tender.
- 7.5 Bidders MUST NOT change the Bill Of Quantities (BOQ). SARS may at its sole discretion disqualify your bid in the event that the BOQ has been changed.
- 7.6 The quoted Prices MUST be inclusive of all SARS' requirements as per the Specifications document. No additional costs will be considered post award
- 7.7 Bidders must print the PDF BoQ, initial each page, sign and submit TWO copies of their price proposal. The two (2) documents - the original & the copy - MUST be identical.

8. TENDER INFORMATION

The employer may require additional information from the tenderer in order to evaluate the tender. The tenderer is required to provide such information if so required by the employer.

9. SITE INSPECTION

Tenderers are required to attend a compulsory site briefing as per the date proposed on the main RFP before submission of his tender.

The tenderer is also required to familiarise himself before submission of his tender with regard to relevant local site conditions, site accessibility, the nature of operations required, availability of labour and any conditions pertaining thereto, together with conditions relating to unloading, carting and storage of materials, equipment and tools required for the works.

Item No		Quantity	Rate	Amount
	<u>BILL NO. 1</u>			
	<u>PRELIMINARIES</u>			
	<u>BUILDING AGREEMENT AND PRELIMINARIES</u>			
	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			
	The JBCC Principal Building Agreement contract data form an integral part of this agreement			
	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			
	The contractor is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause			
	The clauses in the abovementioned 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 supplements 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 abovementioned documents			
	Where any item is not relevant to this agreement such item is marked N/A (signifying "not applicable")			
	<u>PREAMBLES FOR TRADES</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			
	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			
	Carried Forward		R	
	SECTION 1 Preliminaries			

Brought Forward		R
<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: PRINCIPAL BUILDING AGREEMENT</u></p> <p><u>Interpretation</u></p> <p>1 Definitions and Interpretation (Clause 1)</p> <p>F:..... V:..... T:.....</p>		
	Item	
Carried Forward		R
SECTION 1 Preliminaries		

	Brought Forward		R	
2	<p>Law, Regulations and Notices (Clause 2)</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 contractor that he or she intends to appoint, has the necessary competencies and resources to perform the construction work safely. 			
	Carried Forward		R	
	SECTION 1 Preliminaries			

	Brought Forward		R	
	<ul style="list-style-type: none"> Ensure all OHS required legislation is in place prior to work commencing 			
	F:..... V:..... T:.....	Item		
3	Offer and Acceptance (Clause 3)			
	F:..... V:..... T:.....	Item		
4	Cession and Assignment (Clause 4)			
	F:..... V:..... T:.....	Item		
5	Documents (Clause 5)			
	F:..... V:..... T:.....	Item		
6	Employer's Agents (Clause 6)			
	F:..... V:..... T:.....	Item		
7	Design Responsibility (Clause 7)			
	F:..... V:..... T:.....	Item		
	<u>Insurance and Security</u>			
8	Works Risk (Clause 8)			
	F:..... V:..... T:.....	Item		
9	Indemnities (Clause 9)			
	F:..... V:..... T:.....	Item		
10	Insurances (Clause 10)			
	F:..... V:..... T:.....	Item		
	Carried Forward		R	
	SECTION 1 Preliminaries			

SECTION 1

Preliminaries

	Brought Forward		R	
16	<p>Direct Contractors (Clause 16)</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 [16.1]</p> <p>F:..... V:..... T:.....</p>	Item		
17	<p>Contract instructions (Clause 17)</p> <p>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		
18	<p>Interim Completion (Clause 18)</p> <p>F:..... V:..... T:.....</p>	Item		
19	<p>Practical Completion (Clause 19)</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	SECTION 1 Preliminaries			

[illegible]

	Brought Forward		R	
	<u>Payment</u>			
25	Payment (Clause 25)			
	Materials and goods stored off site			
	Materials and goods stored off site shall not be included in the amount authorised for payment unless Advanced Payment Guarantee provided			
	Fluctuations in costs			
	All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the Contractor			
	Prices submitted			
	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			
	F:..... V:..... T:.....	Item		
26	Adjustment of the Contract Value and Final Account (Clause 26)			
	Cost of claims			
	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 [26.6]			
	F:..... V:..... T:.....	Item		
	Carried Forward		R	
	SECTION 1 Preliminaries			

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Brought Forward			R	
<u>SECTION B: PRELIMINARIES</u>				
<u>Definition and interpretation</u>				
31	Definitions (Clause 1.1)			
	F:..... V:..... T:.....	Item		
32	Interpretation (Clause 1.2)			
	F:..... V:..... T:.....	Item		
<u>Documents (B2)</u>				
33	Checking of documents (Clause 2.1)			
	F:..... V:..... T:.....	Item		
34	Provisional bills of quantities (Clause 2.2)			
	F:..... V:..... T:.....	Item		
35	Availability of construction documentation (Clause 2.3)			
	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>				
36	Previous work - dimensional accuracy (Clause 3.1)			
	F:..... V:..... T:.....	Item		
Carried Forward			R	
SECTION 1 Preliminaries				

	Brought Forward		R	
37	Previous work - defects (Clause 3.2)			
	F:..... V:..... T:.....	Item		
38	Inspection of adjoining properties (Clause 3.3)			
	F:..... V:..... T:.....	Item		
	<u>Samples and shop drawings</u>			
39	Samples of materials (Clause 4.1)			
	F:..... V:..... T:.....	Item		
40	Workmanship samples (Clause 4.2)			
	F:..... V:..... T:.....	Item		
41	Shop drawings (Clause 4.3)			
	F:..... V:..... T:.....	Item		
42	Compliance with manufacturer's instructions (Clause 4.4)			
	F:..... V:..... T:.....	Item		
	<u>Deposits and fees</u>			
43	Deposits and fees (Clause 5.1)			
	F :..... V:..... T:.....	Item		
	<u>Temporary Services</u>			
44	Water (Clause 6.1)			
	F:..... V:..... T:.....	Item		
	Carried Forward		R	
	SECTION 1 Preliminaries			

	Brought Forward		R	
45	Electricity (Clause 6.2)			
	F:..... V:..... T:.....	Item		
46	Ablution facilities (Clause 6.3)			
	F:..... V:..... T:.....	Item		
47	Communication facilities (Clause 6.4)			
	F:..... V:..... T:.....	Item		
	<u>Prime cost amounts</u>			
48	Responsibility for prime cost amounts (Clause 7.1)			
	F :..... V:..... T:.....	Item		
	<u>Special attendance on N/S subcontractors</u>			
49	Special attendance (Clause 8.1)			
	F:..... V:..... T:.....	Item		
	<u>General</u>			
50	Protection of works (Clause 9.1)			
	F:..... V:..... T:.....	Item		
51	Protection/isolation of existing/sectionally occupied works (Clause 9.2)			
	F:..... V:..... T:.....	Item		
52	Security of the works (Clause 9.3)			
	F:..... V:..... T:.....	Item		
	Carried Forward		R	
	SECTION 1 Preliminaries			

	Brought Forward		R	
53	Notice before covering work (Clause 9.4)			
	F:..... V:..... T:.....	Item		
54	Disturbance (Clause 9.5)			
	F:..... V:..... T:.....	Item		
55	Environmental disturbance (Clause 9.6)			
	Controlling all forms of pollution			
	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			
	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			
	Environmental management plan			
	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			
	F :..... V:..... T:.....	Item		
56	Works cleaning and clearing (Clause 9.7)			
	F:..... V:..... T:.....	Item		
57	Vermin (Clause 9.8)			
	F:..... V:..... T:.....	Item		
	Carried Forward		R	
	SECTION 1 Preliminaries			

	<p style="text-align: right;">Brought Forward</p> <p>58 Overhand work (Clause 9.9)</p> <p>F:..... V:..... T:.....</p> <p>Schedule</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 (B2.2) The quantities are provisional: [Yes]</p> <p>10.2 Availability of construction documentation (B2.3) Construction documentation is complete [Yes]</p> <p>10.3 Previous work - dimensional accuracy (Clause 3.1) Contractor to inspect dimensions on the drawins against previous work prior ro execution [Yes]</p> <p>10.4 Previous work - defects (Clause 3.2) Contractor to inspect previous work and bring to the attention of the Principal Agent shoud there be noticeable defects [No]</p> <p>10.5 Inspection of adjoining properties (Clause 3.3) [No]</p> <p>10.6 Water (Clause 6.1) Option A (by Contractor) [No] Option B (by Employer - free of charge) [Yes] Option C (by Employer - metered) [No]</p> <p style="text-align: right;">Carried Forward</p> <p>SECTION 1 Preliminaries</p>	Item	R	
			R	

Brought Forward		R	
10.7	Electricity (Clause 6.2) Option A (by Contractor) [No] Option B (by Employer - free of charge) [Yes] Option C (by Employer - metered) [No]		
10.8	Ablution facilities (Clause 6.3) Option A (by Contractor) [No] Option B (by Employer - free of charge) [Yes] Option C (by Employer - metered) [No]		
10.9	Telecommunications (Clause 6.4) Option A (by contractor) [Yes] Option B (by employer) [No]		
10.10	Protection of the works [Clause 9.1] [Yes]		
10.11	Protection of existing/sectionally occupied works (Clause 9.2)		
	[Yes]		
10.12	Disturbance (Clause 9.5)		
	[Yes]		
10.13	Environmental disturbance (Clause 9.6)		
	[No]		
<u>SECTION C: SPECIFIC PRELIMINARIES</u>			
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			
Carried Forward		R	
SECTION 1 Preliminaries			

	Brought Forward		R	
59	<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		
60	<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 to Final Summary		R	
	SECTION 1 Preliminaries			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 1</u>			
	<u>ALTERATIONS</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>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions and Preambles</u>			
	The full descriptions of the items and all preambles in the previous and following trades, shall, unless otherwise stated, also be applicable to the relevant items in this trade.			
	<u>View site</u>			
	Before submitting this tender, the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.			
	<u>Explosives</u>			
	No explosives whatsoever may be used for demolition purposes unless otherwise stated.			
	<u>General</u>			
	The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent			
	Carried Forward		R	
	SECTION 2 Alterations			

<p style="text-align: right;">Brought Forward</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectively stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent.</p> <p>Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehangng, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately.</p> <p>Prices for taking out of windows, doors and frames, etc shall include for removal of all beads, architraves, ironmongery, doorstops, cabin hooks, etc and making good floor and wall finishes to match existing.</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork.</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied where necessary.</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p>The contractor must note that the demolition of all existing electrical and mechanical work has been measured and addressed under the electrical and mechanical tender documents.</p> <p>Any damage to existing electrical work will be for the contractors account.</p>		R	
<p>SECTION 2 Alterations</p>		R	

<p style="text-align: right;">Brought Forward</p> <p><u>Old materials to be carted away</u></p> <p>Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.</p> <p><u>Old materials not to be re-used</u></p> <p>None of the old materials are to be used for new work except where specifically described to be set aside for re-use.</p> <p><u>Handing over of materials</u></p> <p>Where certain materials or articles from demolitions or articles are described as to be handed over by the Contractor to the Client, such materials or articles shall be properly stored by the contractor, until handing over thereof. The contractor must obtain an official receipt listing the materials or articles and dates of handing over.</p> <p>If the contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Client for the full replacement value thereof, which amount will be deducted from any monies due to the contractor.</p> <p><u>Abbreviations</u></p> <p>For the purpose of this bill certain abbreviations have been made use of, the full meanings of which are as follows:</p> <p><i>"Breaking down and removing"</i> walls, etc implies that the wall is to be taken down to the extent shown on the drawings or as may be described and that all necessary shoring is to be provided and allowed for to ensure the safety of the building during the pulling down or until new walls are erected and all portions of the remaining walls where disturbed or affected by the removal are to be made good and left ready for the plaster or other finishings</p> <p style="text-align: right;">Carried Forward</p> <p>SECTION 2 Alterations</p>		R	
		R	

Brought Forward				R	
<p><i>"Taking out and removing doors, windows, etc"</i> implies that the door, etc is to be carefully taken down together with the frame, linings, architraves, window sills, etc complete and where brick lintels occur, it must be supported and propped until the openings are built up or new doors or windows built in position</p> <p><i>"Making good"</i> implies that all necessary repairs are to be made to reinstate articles that may be damaged through the removal or otherwise, and the supplying of any new materials to match existing work, and is to include any necessary repairs to adjacent finishings such as floors, skirtings, plaster, painting, etc and such making good is to match adjoining work in all respects and in all trades</p> <p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>Taking out, removing and disposing of doors, windows, etc from brickwork including making good</u></p>					
1	1000 x 900mm metal frame window with 3mm glass	No	2		
<p><u>Taking out, removing and disposing of woodwork fittings including making good of walls and floors</u></p>					
2	Floor mounted counters approximately size 3589 x 700mm high	No	1		
3	Wall mounted bulkhead size 5400 x 1600 x 400mm high	No	1		
<p><u>Taking out, removing and disposing of floor coverings make good floor finishes (making good floors elsewhere)</u></p>					
4	Ceramic tiles	m2	51		
<p><u>Breaking up, removing and disposing of existing ceilings including making good</u></p>					
5	Remove existing gypsum board ceiling including cornices	m2	12		
6	Ceilings boards including grid system, etc	m2	36		
Carried Forward to Summary of Section No. 2				R	
SECTION 2					
Alterations					

Item No		Quantity	Rate	Amount
	<u>BILL NO. 2</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>SUPPLEMENTARY PREAMBLES</u> <u>Particle board:</u> Particle board shall comply with the following specifications: a) SABS 1300 Particle board: exterior and flooring type b) SABS 1301 Particle board: interior type <u>Joinery:</u> Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes <u>Fixing</u> Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete <u>Decorative laminate finish:</u> Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish <u>DOORS, etc</u> <u>Medium Duty (SABS 545) hollow core timber doors with masonite honeycomb finish and lockset slot</u>			
1	Single door size 813 x 2032mm high hung to aluminium door frame (door frame elsewhere measured), D-01	No	3	
	Carried Forward		R	
	SECTION 2 Carpentry and Joinery			

		Brought Forward			R
<u>Class A Masonite finished fire door with lock slot hung to steel door frame (door frame elsewhere measured)</u>					
2	Single door size 813 x 2032mm high hung to steel door frame (door frame elsewhere measured), D-39	No	1		
<u>JOINERY FITTINGS</u>					
<u>Kitchen cupboards</u>					
3	Sink cupboard type 2971 x 666 x 2262mm high with sides, bottom, divisions, shelf, back and single hinged doors (sink elsewhere), SARS Ref Code: SF-05-KITC-WET-2	No	1		
Carried Forward to Summary of Section No. 2					
SECTION 2					R
Carpentry and Joinery					

Item No		Quantity	Rate	Amount
	<u>BILL NO. 3</u>			
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</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>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions:</u>			
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete			
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted" the bolts have been given elsewhere			
	<u>SUSPENDED CEILINGS</u>			
	<u>Proprietary suspended ceilings</u>			
	<u>Note:</u>			
	Electrical light fittings, diffusers, panels, etc generally are "lay in" units of the same dimensions as the suspension grid described and allowance must be made accordingly for their support inclusive of any flexibility inseting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)			
	<u>User note:</u>			
	a) The above note to be included in the bills of quantities after confirmation of the basic design of the ceilings, lighting, air conditioning, etc			
	Carried Forward		R	
	SECTION 2 Ceilings, Partitions and Access flooring			

Brought Forward			R	
<u>Pre-painted 1200 x 600 OWAcoustic Premium Futura 60 Green ceiling panels on 39mm pre-painted exposed tee suspension system including main and cross tees, necessary hangers, grids, etc</u>				
1	Ceilings suspended not exceeding 1m below concrete soffits	m2	48	
2	Opening for sprinkler head	No	6	
<u>PARTITIONS ETC</u>				
<u>90mm thick "Rhino" wall Drywall partition systems</u>				
"Rhino-Drywall" partitioning shall comprise steel studding formed of top and bottom tracks with vertical studs at friction fitted or pop-riveted to the top and bottom tracks with similar additional vertical studs as necessary at abutments, ends, etc and covered as described with wallboard screwed to studding with "Drywall" screws at maximum 220mm centres. Boards are to be butt jointed and finished with "Rhino" tape and "Readymix D" jointing compound all in accordance with the manufacturer's instructions. Intersections and abutments are measured separately and descriptions shall be deemed to include any additional studs, corner beads, jointing compound, tape, etc				
3	Partitioning 4250mm high with bottom track plugged and top track fixed to suspended ceiling tees	m	36	
4	Extra over partition 4250mm high for corner	No	4	
5	Extra over partition 4250mm high for vertical abutment	No	6	
6	Extra over partition 4250mm high for T-intersection	No	3	
7	Extra over partition 4250mm high for fair end	No	2	
8	Extra over partition 1986mm high for 800mm wide glass light panels with Reference number G-01 as per SARS drawing Glass Light View Panel SC-GLP-01-1	No	4	
9	100mm high aluminium skirting	m	50	
Carried Forward			R	
SECTION 2				
Ceilings, Partitions and Access flooring				

Ceilings, Partitions and Access flooring

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Brought Forward			R	
<u>HANDLES</u>				
<u>Ironware IW Calini 1019 or similar approved</u>				
3	Brushed stainless steel lever handle set with IW Calini 1904-0555 escutcheon	No	3	
<u>Ironware IW Calini 1320 handle with 350x150 brushed stainless steel push plate to suit handle or similar approved</u>				
4	Brushed stainless steel lever handle set with IW Calini 1904-0555 escutcheon	No	1	
<u>PUSH PLATES AND KICKING PLATES</u>				
<u>Brushed Stainless Steel</u>				
5	755 x 350 x 2mm thick kick plate	No	4	
<u>DOOR CLOSERS</u>				
<u>Ironware IW or similar approved</u>				
6	Door closer with pause	No	3	
<u>SUNDRIES</u>				
<u>Ironware 5000 or similar approved door closer</u>				
7	38mm Diameter cylindrical door stop	No	4	
Carried Forward to Summary of Section No. 2			R	
SECTION 2				
Ironmongery				

Item No		Quantity	Rate	Amount
	BILL NO. 6			
	METALWORK			
	STANDARD PREAMBLES			
	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			
	SUPPLEMENTARY PREAMBLES			
	Descriptions			
	Descriptions of bolts shall be deemed to include nuts and washers			
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete			
	Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
	ALUMINIUM DOORS, FANLIGHTS AND SIDELIGHTS			
	Aluminium door frames to suit 90mm dry walls			
1	855 x 2434mm high Aluminium door frame with 20mm wide frame edge and 10mm closer section to suit 90mm thick dry wall with Reference number D-03 as per SARS drawing Generic Door SC-DOOR-01-1	No	3	
	STEEL STRONGROOM DOORS, VENTILATORS, ETC			
	Class A 'Bitcon Industries Rubidor' fire door frame including hinges to suit frame suitable for 162mm walls fixed to 116mm thick fire rated partitioning			
2	1.6mm mild steel fire door frame to suit 813mm wide Class A door	No	1	
	Carried Forward to Summary of Section No. 2			
	SECTION 2			
	Metalwork			
			R	

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 8</u>			
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</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>SUPPLEMENTARY PREAMBLES</u>			
	<u>SANITARY FITTINGS</u>			
	<u>Franke or similar approved stainless steel satin finish</u>			
1	Sink and drainer 1100 x 500mm wide with two bowls	No	1	
	<u>ELECTRIC WATER HEATERS</u>			
	<u>"Kwikot PRX-10-UB" or similar approved under counter geyser including shut-off valves, master flow pressure valves and drip trays etc</u>			
2	10L under counter geyser	No	1	
	<u>Zip Hydroboil or similar approved, with isolator switch (elsewhere measured) with stainless steel finish. SARS CODE: P-HB-7.5L-S/S.</u>			
3	7.5L Hydroboiler	No	1	
	<u>TAPS, VALVES, ETC</u>			
	<u>Franke or similar cascade swivel 330355 top lever sink mixer 1/2"</u>			
4	Swivel top lever 1/2" sink mixer	No	1	
	<u>PLUMBING CONNECTION</u>			
5	Allow an amount of R15 000.00 (Fifteen Thousand Rand only) for plumbing and drainage installations and connection		Item	15 000 00
	Carried Forward		R	
	SECTION 2 Plumbing and Drainage			

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 9</u>			
	<u>ELECTRICAL WORK</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>SUPPLEMENTARY PREAMBLES</u>			
	The tenderer shall allow for whatever costs he may deem necessary for preliminary and general items to carry out the mechanical and fire installations as detailed in the conditions of contract, specifications, and Bill of Quantities as indicated on the drawings for this project			
	These bills of quantities form part of and must be read in conjunction with the Tender Drawings, which contain the full descriptions of the work to be done and material and equipment to be used.			
	All materials, equipment, fixings, brackets, supports etc, are to be supplied by the Contractor unless otherwise stated, and are deemed to be included in the rates.			
	Supply and installation of the items as detailed below. All material used shall be SABS approved.			
	<u>LOW VOLTAGE DISTRIBUTION BOARD</u>			
	<u>Supply, install, test and commission the following:</u>			
1	Miniature circuit breaker (MCB): 20A 240VAC, 6kA Curve 2, 1 Pole Mini and DIN Rail Mounting	No	4	
2	Miniature circuit breaker (MCB): 15A 240VAC, 6kA Curve 2, 1 Pole Mini and DIN Rail Mounting	No	3	
3	Earth-leakage Protection Device (with overload protection) Mini and DIN Rail Mounting: 30A 240VAC, 6kA 2 Pole	No	1	
	Carried Forward		R	
	SECTION 2 Electrical work			

	Brought Forward			R	
4	Accessories and Misc (e.g. fasteners, laminated labelling, etc.)	Item			
5	Issue Electrical Certificate of Compliance	Item			
	<u>LOW VOLTAGE RETICULATION - SMALL POWER</u>				
	<u>Supply, install, test and commission the following:</u>				
6	2.5mm2 PVC Single Core 600/1000V copper cable	m	150		
7	2.5mm2 BCEW	m	50		
8	Galvanised Industrial Trunking - 3 meter Lengths, 50mm x 50mm (Incl. accessories)	m	120		
9	1.5mm2 PVC Single Core 600/1000V copper cable	m	150		
10	1.5mm2 BCEW	m	50		
11	Powder Coated Two Compartment Power Skirting (incl. accessories)	m	30		
12	16A 240VAC Single Switched Socket Outlet (white), 4 x 2 installed on power skirting	No	13		
13	16A 240VAC Single Switched Socket Outlet (white), 4 x 4 installed on kitchen cupboard	No	5		
14	16A 240VAC Dedicated Single Switched Socket Outlet (red), 4 x 2 installed on power skirting	No	13		
15	16A 240VAC Dedicated Single Switched Socket Outlet (red), 4 x 2 installed above access controlled doors	No	6		
16	6mm2 PVC Single Phase (L +N) 600/1000V copper armoured cable (for IT Patch Room) or suffix cable	m	20		
17	4mm2 BCEW (for IT Patch Room and anti-static floor)	m	20		
18	Three phase socket outlet ("welding plug"), 65A, 400V	No	1		
19	Wire Cable Tray - 3 meter lengths, 300mm x 60mm - Electrogalvanised	m	17		
	Carried Forward			R	
	SECTION 2 Electrical work				

		Brought Forward		R
20	100kVA 3-Phase Diesel Generator with a 400L fuel tank capacity (including AMF or ATS Panel, Silent Canopy, and Electronic Control Unit, test and commissioning)	No	1	
21	35mm2 PVC-SWA-PVC Cu 4 Core copper cable, F/R Red stripe 600/1000V (incl. accessories)	m	70	
22	25mm2 BCEW	m	70	
23	Switch disconnectors / isolators (2 x 4 - 2 pole, 250 VAC, 30 A)	No	2	
	<u>INTERIOR LIGHTING</u>			
	<u>Supply, install, test and commission the following:</u>			
24	3 x 28W T5 Fluorescent Surface-mount Fixture with parabolic reflector and Grille Louvre - 1200 x 600mm	No	11	
25	3 x 28W T5 Fluorescent Surface-mount Fixture with parabolic reflector and Grille Louvre - 1200 x 600mm	No	9	
26	4 x 49W T5 Fluorescent T-bay (or High-bay) Fixture with parabolic reflector and Grille Louvre - 1200 x 600mm	No	25	
27	5A Unswitched Socket Outlets - installed in ceiling void on wireways for lighting fixtures	No	45	
28	16A 1 Lever 1 Way Switch	No	7	
	Carried Forward to Summary of Section No. 2			R
	SECTION 2			
	Electrical work			

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Brought Forward		R		
<u>CASH DISCOUNT</u>				
No cash discount. All provisional sums are "NET"				
<u>GENERAL</u>				
The following provisional sums are for work to be executed under separate nominated sub-contracts by firms of Specialists				
All provisional sums cover the supply and installation of material, equipment, plant, etc., including the commissioning thereof, where applicable				
<u>PROFIT</u>				
Provisional sums are net and do not include builder's discount. The tenderer may allow next to "Profit" items for any profit he might consider necessary				
<u>ATTENDANCE</u>				
The Tenderer may allow next to "Attendance" items for any attendance he might consider necessary and/or for the recovery of any expenses incurred by him for providing attendance to nominated sub-contractors, i.e. by means of the installation of the necessary water/power meters, etc.				
The tenderer is also referred to Clause 20 in the "Preliminaries" section for the definitions and adjustment of "Attendance"				
<u>HVAC SYSTEM</u>				
1	Allow and amount of R200 000 (Two Hundred Thousand Rand) for the design, supply, installation and commissioning (and 12 months maintenance) of new airconditioning units	Item	200 000	00
2	Profit for above item	Item		
3	Attendance on ditto	Item		
<u>BUDGETARY ALLOWANCES</u>				
4	Allow an amount of R50 000.00 (Fifty Thousand Rand) for repairing floors in the warehouse	Item	50 000	00
Carried Forward		R		
SECTION 2 Provisional Sums				

**SARS CORPORATE REAL ESTATE
CUS-018-001-R05
CUSTOMS ORTIA SCANNER
ORTIA STATE WAREHOUSE OFFICE REFURBISHMENT**

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Section No	Item	Page No	Amount
1	SECTION 1	-18-	
	Sub-Total		R
2	SECTION 2	-44-	
	Sub-Total		R
<u>CONTINGENCY AMOUNT</u>			
Provide an amount for contingencies equal to 10% of the total preliminaries and building works, all to be used as directed and approved by the client			
	Sub-Total		R
	Add 15% VAT		R
Carried to Form of Tender			R