

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>EP823 SA TOURISM OFFICE REFURBISHMENT</u> <u>PART 5</u> <u>SECTION 1</u>	<u>H1</u> <u>H1</u>			
	<u>BILL NO. 1</u> <u>PRELIMINARIES</u>	<u>H1</u> <u>H1</u>			
	<u>"PRELIMINARIES FOR INCLUSION IN BILLS OF QUANTITIES AND LUMP SUM DOCUMENTS BASED ON THE JBCC SERIES 2000 DOCUMENTATION"</u>	<u>H2</u>			
1	(1) Section A	Item	1		-
2	(2) Section B	Item	1		-
3	(3) Section C	Item	1		-
	TOTAL transferred from PRICING SCHEDULE PRELIMINARIES SUMMARY: COLLECTION incorporating Preliminaries (Sections A, B and C)				

	<p>PART 5 BILL NO.2</p> <p>ALTERATIONS (PROVISIONAL)</p> <p>PREAMBLES</p> <p>NOTE : Tenderers are advised to study the "MODEL PREAMBLES FOR TRADES" (2008 Edition) as recommended and published by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>General</u></p> <p>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 occupants/tenants and 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</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually 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>Tenderers are to note that these Bills of Quantities have been prepared in accordance with the Standard System of Measuring Builders Work (Sixth Edition) 1999, as published by the Association of South African Quantity Surveyor</p> <p>Tenderers are to inspect the drawings issued with these bills of quantities and to satisfy themselves as to the nature and the requirements of the Contract works. Failure to do so will be the complete responsibility of the tenderer and no claims whatsoever will be entertained in this regard.</p> <p>The descriptions contained in these bills of quantities are to be read in conjunction with the drawings and project specifications and are intended as a means of identifying the various facets of the works. Tenderers shall allow for all costs in connection with the various items taking full cognisance of drawings, specifications and bills of quantities descriptions.</p> <p>Where specifications and descriptions in these bills of quantities are in conflict with previous specifications (Preambles), then the specifications or descriptions in these bills of quantities shall take preference.</p> <p>SUPPLEMENTARY PREAMBLES</p> <p><u>View site</u></p> <p>Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the building 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</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>Removal from site</u></p> <p>Where "remove from", "spoil" or "taking out" occurs in terms, it shall include for all loading and carting away from the site to a suitable dumping site found by the contractor and the contractor shall pay all fees etc in this regard.</p> <p><u>General</u></p> <p><u>Old Materials</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 to a dumping site located by the contractor. Cost of carting away shall be deemed to be included in the contract rates.</p> <p>Contractor to transport all materials in mobile seal proof containers with rubber or nylon wheels to prevent any floor damage.</p> <p>Skips to be placed in the hoarded off laydown areas and removed when full to prevent overloading at any point and shade cloth to be placed over the skips to prevent any dust pollution.</p> <p><u>Handing over of materials</u></p> <p>Where certain materials or articles from demolitions are described as to be handed over by the contractor to the employer, 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. 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 for the full replacement value thereof, which amount will be deducted from any monies due to the contractor</p> <p>REMOVAL OF EXISTING WORK</p> <p><u>Hacking up/off and removing carpet tiles floor covering, tiles from floor and wall finishes, retaining mortar bed or backing where possible and preparing concrete or brick surfaces for new tile finish, plaster or skim coat and cart rubble off site:</u></p> <p>1 Carpet floor tiles, including backing/adhesives and prepare to receive new floor tiles</p> <p>2 Wall tiles and prepare to receive new wall tiles</p> <p><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u></p> <p>3 Drywall partitioning</p>	<p>H1 H1 H1 H4 H1 H4 H4 H4 H4 H4 H2 H2 H2</p>	<p>17 6 721,97</p>	<p>- - -</p>	
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	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc store for re-use including refixing in position</u>	H2			
4	Acoustic tile / Drop-in suspended ceilings including cornices, suspension grid, hangers, etc. for allowance to work in ceiling space for services	m2	1278,85		-
	<u>Taking down and removing doors, view panels including aluminium frames, etc store for re-use</u>	H2			
5	View panels in drywall partitioning: Size: 611mm x 2143mm high	No	34		-
	<u>Taking down and removing doors, view panels including wooden frames, etc store for re-use</u>	H2			
6	View panels in drywall partitioning: Size: 1043mm x 2275mm high	No	1		-
7	Single doors including aluminium frame in drywall partitioning	No	31		-
8	Double doors including wooden frame in drywall partitioning and brick wall	No	4		-
	<u>Taking out and removing ironmongery</u>	H2			
9	Hinges from doors and frames	No	96		-
10	Door closer	No	24		-
11	Door handles and lockset to doors	No	24		-
	<u>Refixing of existing doors, windows, view panels etc (removal and setting aside elsewhere)</u>	H2			
12	Setting up and building in steel or aluminium door frame in drywall partitioning and rehangng door	No	7		-
13	Setting up and building in view panels including frames to drywall partitioning and refit	No	7		-
	<u>Taking out ironmongery and set aside for re-use including refixing in position</u>	H2			
14	Hinges from doors and frames	No	28		-
15	Door closer	No	7		-
16	Door handles and lockset to doors	No	7		-
	<u>Sundries</u>	H3			
17	Provision for new ceiling tees (Grid work to accommodate new LED Light)	m2	318		-
18	Provision for Removing redundant airconditioning wall console units	No	50		-
	<u>MAKING GOOD OF FINISHES ETC</u>	H2			
19	Making good suspended ceiling & cornices where partitioning including tracks, accessories etc was removed	m	279,83		-
20	Making good floor finish & skirtings where partitioning including tracks, accessories etc. was removed	m	279,83		-
21	Provision for aligning existing lay-in ceilings, where ceiling levels changed	m2	1060		-
	<u>PROVISIONAL BUDGETARY ALLOWANCES</u>	H2			
	<u>The following are budgetary allowances for possible work, the extent and possibility of the work occurring which is unknown/ uncertain at tender stage. These amounts will be adjusted and re-measured on an incurring basis using the available rates or negotiated rates or invoices. These amounts may be omitted in part or in full at the discretion of the Quantity Surveyor</u>	H3			
22	Allow an amount of R 55 000.00 (Fifty Five Thousand Rands) for stripping out of existing finishes, services, etc. in accordance with the Architect's and Engineer's Specification	Item	1	55 000,00	55 000,00
23	Allow an amount of R 77 800.00 (Seventy Seven Thousand Eight Hundred Rands) for or sundry builder's work related to alterations	Item	1	77 800,00	77 800,00
	<u>CREDIT FOR SALVAGED MATERIALS</u>	H2			
24	Allow for credit for salvaged material	Item	1		-

<u>PART 5</u>	<u>H1</u>			
<u>BILL NO. 3</u>	<u>H1</u>			
<u>MASONRY</u>	<u>H1</u>			
<u>PREAMBLES</u>	<u>H1</u>			
NOTE : Tenderers are advised to study the "MODEL PREAMBLES FOR TRADES" (2008 Edition) as recommended and published by the Association of South African Quantity Surveyors before pricing this bill.				
<u>General</u>	H4			
Tenderers are to note that these Bills of Quantities have been prepared in accordance with the Standard System of Measuring Builders Work (Sixth Edition) 1999, as published by the Association of South African Quantity Surveyor				
Tenderers are to inspect the drawings issued with these bills of quantities and to satisfy themselves as to the nature and the requirements of the Contract works. Failure to do so will be the complete responsibility of the tenderer and no claims whatsoever will be entertained in this regard.				
The descriptions contained in these bills of quantities are to be read in conjunction with the drawings and project specifications and are intended as a means of identifying the various facets of the works. Tenderers shall allow for all costs in connection with the various items taking full cognisance of drawings, specifications and bills of quantities descriptions.				
Where specifications and descriptions in these bills of quantities are in conflict with previous specifications (Preambles), then the specifications or descriptions in these bills of quantities shall take preference.				
<u>Samples</u>	H4			
Samples of all masonry building units, except those for walls described as "load bearing", shall consist of a minimum of six units. Samples of building units to be used in walls described as "load bearing" shall consist of thirty units from every thirty thousand units delivered to site.				
<u>SUPPLEMENTARY PREAMBLES</u>	<u>H2</u>			
Sizes in descriptions	H3			
Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick.				
Reinforced brick lintels	H3			
Lintels shall bear at least 160mm onto adjacent walling. Where such bearing cannot be obtained due to the proximity of adjacent openings the lintel shall be continuous.				
<u>BRICKWORK</u>	<u>H2</u>			
<u>SUPERSTRUCTURE</u>	<u>H2</u>			
<u>Brickwork of NFP bricks in class II mortar</u>	<u>H2</u>			
1 Half brick walls	m2			Rate Only
2 One brick walls	m2	30,6		-
<u>BRICKWORK SUNDRIES</u>	<u>H2</u>			
<u>Brickwork reinforcement</u>	<u>H2</u>			
3 75mm Wide reinforcement built in horizontally	m			Rate Only
4 150mm Wide reinforcement built in horizontally	m	89,96		-

	<p>PART 5 BILL NO 4</p> <p>WATERPROOFING</p> <p>PREAMBLES</p> <p>NOTE : Tenderers are advised to study the "MODEL PREAMBLES FOR TRADES" (2008 Edition) as recommended and published by the Association of South African Quantity Surveyors before pricing this bill.</p> <p>General</p> <p>Tenderers are to note that these Bills of Quantities have been prepared in accordance with the Standard System of Measuring Builders Work (Sixth Edition) 1999, as published by the Association of South African Quantity Surveyor</p> <p>Tenderers are to inspect the drawings issued with these bills of quantities and to satisfy themselves as to the nature and the requirements of the Contract works. Failure to do so will be the complete responsibility of the tenderer and no claims whatsoever will be entertained in this regard.</p> <p>The descriptions contained in these bills of quantities are to be read in conjunction with the drawings and project specifications and are intended as a means of identifying the various facets of the works. Tenderers shall allow for all costs in connection with the various items taking full cognisance of drawings, specifications and bills of quantities descriptions.</p> <p>Where specifications and descriptions in these bills of quantities are in conflict with previous specifications (Preambles), then the specifications or descriptions in these bills of quantities shall take preference.</p> <p>SUPPLEMENTARY PREAMBLES</p> <p>Proprietary items or materials</p> <p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the client or the client's agent</p> <p>Waterproofing</p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p>DAMPPROOFING OF WALLS AND FLOORS</p> <p>One layer of 375 micron "Consol Plastics Brikgrip DPC" embossed damp proof course</p> <p>1 In walls</p> <p>Coprox masonry waterproofing cement additive solution</p> <p>2 On walls</p> <p>PART 5 BILL NO 5</p> <p>CARPENTRY AND JOINERY</p> <p>PREAMBLES</p> <p>NOTE : Tenderers are advised to study the "MODEL PREAMBLES FOR TRADES" (2008 Edition) as recommended and published by the Association of South African Quantity Surveyors before pricing this bill.</p> <p>General</p> <p>Tenderers are to note that these Bills of Quantities have been prepared in accordance with the Standard System of Measuring Builders Work (Sixth Edition) 1999, as published by the Association of South African Quantity Surveyor</p> <p>Tenderers are to inspect the drawings issued with these bills of quantities and to satisfy themselves as to the nature and the requirements of the Contract works. Failure to do so will be the complete responsibility of the tenderer and no claims whatsoever will be entertained in this regard.</p> <p>The descriptions contained in these bills of quantities are to be read in conjunction with the drawings and project specifications and are intended as a means of identifying the various facets of the works. Tenderers shall allow for all costs in connection with the various items taking full cognisance of drawings, specifications and bills of quantities descriptions.</p> <p>Where specifications and descriptions in these bills of quantities are in conflict with previous specifications (Preambles), then the specifications or descriptions in these bills of quantities shall take preference.</p> <p>SUPPLEMENTARY PREAMBLES</p> <p>Proprietary items or materials</p> <p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the client or the client's agent</p> <p>Joinery</p> <p>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</p>	<p>H1 H1</p> <p>H1</p> <p>H1</p> <p>H4</p> <p>H2 H3 H3</p> <p>H2 H3 H3</p> <p>H2 H3 H3</p> <p>H1 H1</p> <p>H1</p> <p>H4</p> <p>H2 H3 H3</p> <p>H1 H1</p>	<p>14,7</p> <p>30,6</p>	<p>-</p> <p>-</p>	
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<p>Fixing</p> <p>Unless otherwise described all carpentry and joinery work shall be deemed to be fixed complete with all sawn timbers spiked on and all wrought timbers nailed on. Other methods of fixing are specially described as follows:</p> <p>a. "Bolted on" shall mean fixed with bolts, the bolts and the holes elsewhere measured</p> <p>b. "Plugged" shall mean fixed with hardened steel nails or with spikes or wire nails as is suitable for the member concerned to and including hardwood plugs set in brickwork, blockwork or concrete</p> <p>c. "Plugged and screwed" shall mean fixed with screws to and including patent fibre or plastic plug set in brickwork, blockwork or concrete</p> <p>d. "Plugged and pelleted" shall mean plugging as last described and screwing with the heads of screws sunk and pelleted with pellets of same timber as that being fixed, glued in</p>	<p>H3</p>			
<p>Specifications and Drawings</p> <p>Tenderers shall refer to and comply with the drawings and specifications included as annexes to this document when pricing all items contained in this bill of quantities. Failure to do so will be the complete responsibility of the Tenderer and no claims whatsoever will be entertained in this regard. Tenderer shall allow for all sub frames and support to ensure that the joinery are sturdy and can carry all reasonable anticipated weight it will be exposed to. The following fittings have been measured as complete units i.e. 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, chamfering, gluing, blocking, planting on and screwing with countersunk screws, edge strips, glass, ironmongery, metalwork, stonework, joint sealants, paint or varnish finishes, etc.</p>	<p>H3</p>			
<p>Specific notes to tenderers</p> <p>All details, layouts, finishes and ironmongery to be designed and specified by the specialist subcontractor Workshop drawings to be provided and approved by the architect. All measurements to be confirmed on site</p>	<p>H3</p>			
<p>KITCHEN UNIT</p> <p>5010 x 600 x 900mm high kitchen shopfitting unit fixed to wall comprised of 2 180 x 900mm high top hung cupboard, doors to be 16mm Formica Wood finish (or similar approved or match existing pause areas) finish, top shelf to be 16mm Formica Wood (or similar approved) finish. All internal side panels and shelves to be 16mm standard white Melamine with matching straight edges. Doors to have good quality hinges. 5010mm x 200mm high open area fixed with Mosaic splash back in accordance with wall finishes schedule. Openings to be created for sink/prep bowl. 30mm Granite counter top finishing schedule above bottom cupboards. Unit to be shopfitted with 80mm Silver Formica finish Kickplate with stainless steel finish. Drawing Ref: SAT-01-07-DT</p>	<p>H2</p>	<p>No</p>	<p>1</p>	<p>-</p>
<p>PART 5 BILL NO 6</p>	<p>H1</p>			
<p>CEILINGS, PARTITIONS AND ACCESS FLOORING</p>	<p>H1</p>			
<p>PREAMBLES</p> <p>NOTE : Tenderers are advised to study the "MODEL PREAMBLES FOR TRADES" (2008 Edition) as recommended and published by the Association of South African Quantity Surveyors before pricing this bill.</p>	<p>H1</p>			
<p>General</p> <p>Tenderers are to note that these Bills of Quantities have been prepared in accordance with the Standard System of Measuring Builders Work (Sixth Edition) 1999, as published by the Association of South African Quantity Surveyor</p> <p>Tenderers are to inspect the drawings issued with these bills of quantities and to satisfy themselves as to the nature and the requirements of the Contract works. Failure to do so will be the complete responsibility of the tenderer and no claims whatsoever will be entertained in this regard.</p> <p>The descriptions contained in these bills of quantities are to be read in conjunction with the drawings and project specifications and are intended as a means of identifying the various facets of the works. Tenderers shall allow for all costs in connection with the various items taking full cognisance of drawings, specifications and bills of quantities descriptions.</p> <p>Where specifications and descriptions in these bills of quantities are in conflict with previous specifications (Preambles), then the specifications or descriptions in these bills of quantities shall take preference.</p>	<p>H4</p>			
<p>SUPPLEMENTARY PREAMBLES</p>	<p>H2</p>			
<p>Proprietary items or materials</p> <p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the client or the client's agent</p>	<p>H3</p>			
<p>Proprietary suspended ceilings</p> <p>Electrical light fittings, diffusers, panels, etc. generally are " lay in " units of the same dimensions as the suspension grid described and allowance must be made accordingly for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)</p>	<p>H3</p>			
<p>Fixing</p>	<p>H3</p>			

<p>Unless otherwise described all carpentry and joinery work shall be deemed to be fixed complete with all sawn timbers spiked on and all wrought timbers nailed on. Other methods of fixing are specially described as follows:</p> <p>a. "Bolted on" shall mean fixed with bolts, the bolts and the holes elsewhere measured</p> <p>b. "Plugged" shall mean fixed with hardened steel nails or with spikes or wire nails as is suitable for the member concerned to and including hardwood plugs set in brickwork, blockwork or concrete</p> <p>c. "Plugged and screwed" shall mean fixed with screws to and including patent fibre or plastic plug set in brickwork, blockwork or concrete</p> <p>d. "Plugged and pelleted" shall mean plugging as last described and screwing with the heads of screws sunk and pelleted with pellets of same timber as that being fixed, glued in</p>				
<p><u>PARTITIONING (PROVISIONAL)</u></p>	<p>H2</p>			
<p><u>Rhino drywall partitioning</u></p>	<p>H2</p>			
<p><u>Rhino-Drywall partitioning shall comprise 63.5mm UltraSTEEL Drywall studs inserted at 600mm centres into 63.5mm Drywall steel track at top and bottom and clad both sides with 12.5mm Rhinoboard fixed with 25mm Drywall staker screws spaced at 220mm centres, stagger joints between boards, all joints to be taped and jointed as per manufacturer's instructions.(Add weldmesh reinforcing inside frame before cladding.) Intersections and abutments are measured separately and descriptions shall be deemed to include any additional studs, corner beads, jointing compound, tape, etc. Note: All to be to underside of existing ceiling with Aluminium skirting, height to match existing. Wall paper and/or paint and varnish finishes are measured elsewhere</u></p>	<p>H2</p>			
<p>Rhino Drywall partitioning 2.575m high comprising of 12.5mm thick Rhino boards to both sides of steel studs and with 1 taped joints including aluminium skirting both sides (Finish elsewhere measured)</p>	<p>m</p>	<p>96</p>		<p>-</p>
<p>2 Extra over partition 2.575m high for corner, intersections etc</p>	<p>No</p>	<p>20</p>		<p>-</p>
<p><u>PART 5</u></p>	<p>H1</p>			
<p><u>BILL NO 7</u></p>	<p>H1</p>			
<p><u>METALWORK</u></p>	<p>H1</p>			
<p>NOTE : Tenderers are advised to study the "MODEL PREAMBLES FOR TRADES" (2008 Edition) as recommended and published by the Association of South African Quantity Surveyors before pricing this bill.</p>				
<p><u>General</u></p>	<p>H4</p>			
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<p><u>SUPPLEMENTARY PREAMBLES</u></p>	<p>H2</p>			
<p><u>Proprietary items or materials</u></p>	<p>H3</p>			
<p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the client or the client's agent</p>				
<p><u>Descriptions</u></p>	<p>H3</p>			
<p>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</p>				
<p><u>Specific notes to tenderers</u></p>	<p>H3</p>			
<p>All details, layouts, finishes and ironmongery to be designed. priced and specified by the specialist subcontractor Workshop drawings to be provided and approved by the architect All measurements to be confirmed on site</p>				
<p><u>ALUMINIUM WINDOWS & DOORS</u></p>	<p>H2</p>			
<p><u>Natural anodized aluminium shopfronts as per approved system, complete with sub-frames, ironmongery, doors with 6.5mm laminated clear safety glass, to match existing, sealing, etc and fixing to brickwork/partitioning as per attached drawings</u></p>	<p>H2</p>			
<p>1 Shopfront 4920 x 2575mm high (GL002)</p>	<p>No</p>	<p>2</p>		<p>-</p>
<p>2 Shopfront 4910 x 2575mm high (GL003)</p>	<p>No</p>	<p>1</p>		<p>-</p>

<p><u>Natural anodized aluminium shopfronts as per approved system, complete with sub-frames, ironmongery, with 6.5mm laminated clear safety glass, to match existing, sealing, etc and fixing to brickwork as per attached drawings</u></p> <p>3 Door, 840 x 2575mm high D1 (D002/SAT01)</p> <p>4 Door, 840 x 2575mm high D2 (D01/SAT01); (D02/SAT01); (D03/SAT01)</p> <p>5 Door, 840 x 2575mm high D2 (D04/SAT01); (D05/SAT01); (D06/SAT01);(D07/SAT01)</p> <p>PART 5 BILL NO 8</p> <p>PLASTERING</p> <p>NOTE : Tenderers are advised to study the "MODEL PREAMBLES FOR TRADES" (2008 Edition) as recommended and published by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>General</u></p> <p>Tenderers are to note that these Bills of Quantities have been prepared in accordance with the Standard System of Measuring Builders Work (Sixth Edition) 1999, as published by the Association of South African Quantity Surveyor</p> <p>Tenderers are to inspect the drawings issued with these bills of quantities and to satisfy themselves as to the nature and the requirements of the Contract works. Failure to do so will be the complete responsibility of the tenderer and no claims whatsoever will be entertained in this regard.</p> <p>The descriptions contained in these bills of quantities are to be read in conjunction with the drawings and project specifications and are intended as a means of identifying the various facets of the works. Tenderers shall allow for all costs in connection with the various items taking full cognisance of drawings, specifications and bills of quantities descriptions.</p> <p>Where specifications and descriptions in these bills of quantities are in conflict with previous specifications (Preambles), then the specifications or descriptions in these bills of quantities shall take preference.</p> <p>SUPPLEMENTARY PREAMBLES</p> <p><u>Proprietary items or materials</u></p> <p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the client or the client's agent</p> <p>SCREEDS</p> <p><u>Screeds steel trowelled, on concrete</u></p> <p>1 25mm Thick on floors and landings</p> <p>INTERNAL PLASTER</p> <p><u>One coat Rhinolite finish or similar approved</u></p> <p>2 On walls</p> <p>PART 5 BILL NO 9</p> <p>TILING</p> <p>NOTE : Tenderers are advised to study the "MODEL PREAMBLES FOR TRADES" (2008 Edition) as recommended and published by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>General</u></p> <p>Tenderers are to note that these Bills of Quantities have been prepared in accordance with the Standard System of Measuring Builders Work (Sixth Edition) 1999, as published by the Association of South African Quantity Surveyor</p> <p>Tenderers are to inspect the drawings issued with these bills of quantities and to satisfy themselves as to the nature and the requirements of the Contract works. Failure to do so will be the complete responsibility of the tenderer and no claims whatsoever will be entertained in this regard.</p> <p>The descriptions contained in these bills of quantities are to be read in conjunction with the drawings and project specifications and are intended as a means of identifying the various facets of the works. Tenderers shall allow for all costs in connection with the various items taking full cognisance of drawings, specifications and bills of quantities descriptions.</p> <p>Where specifications and descriptions in these bills of quantities are in conflict with previous specifications (Preambles), then the specifications or descriptions in these bills of quantities shall take preference.</p> <p>SUPPLEMENTARY PREAMBLES</p> <p><u>Proprietary items or materials</u></p> <p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the client or the client's agent</p>	<p><u>H2</u></p> <p>No</p> <p>No</p> <p>No</p> <p><u>H1</u> <u>H1</u></p> <p><u>H1</u></p> <p><u>H4</u></p> <p><u>H2</u></p> <p><u>H3</u></p> <p><u>H2</u></p> <p><u>H2</u></p> <p><u>H2</u></p> <p><u>H2</u></p> <p><u>H1</u> <u>H1</u></p> <p><u>H1</u></p> <p><u>H4</u></p> <p><u>H2</u></p> <p><u>H3</u></p>	<p>1</p> <p>3</p> <p>4</p> <p>17,02</p> <p>492,78</p>	<p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p>	
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<p><u>Fixing</u></p> <p>Tiling shall be fixed with an approved tile epoxy adhesive to a plaster backing. Plaster backing is measured elsewhere</p>	H3			
<p>FLOOR TILING</p>	H2			
<p>Provision for floor tiling, black polished porcelain tile 600x600 (PC Allowance R150,00/m2) fixed with adhesive and flu</p>	H2			
<p>1 On floors</p>	m2	17,02		-
<p>2 150mm High cut tile skirting</p>	m	16,83		-
<p>EDGE TRIMS</p>	H2			
<p>10mm Aluminium slim square tile edge trim fixed with adhesive to tiling from Kirk Marketing, or similar</p>	H2			
<p>3 Straight edge trim around exposed edges</p>	m	20,84		-
<p>SUNDRIES</p>	H2			
<p>4 5mm Thick movement joint in polysulphate infill to match grout</p>	m	16,83		-
<p>PART 5 BILL NO 10 PAINTWORK</p>	H1 H1 H1			
<p>NOTE : Tenderers are advised to study the "MODEL PREAMBLES FOR TRADES" (2008 Edition) as recommended and published by the Association of South African Quantity Surveyors before pricing this bill.</p>				
<p><u>General</u></p>	H4			
<p>Tenderers are to note that these Bills of Quantities have been prepared in accordance with the Standard System of Measuring Builders Work (Sixth Edition) 1999, as published by the Association of South African Quantity Surveyor</p>				
<p>Tenderers are to inspect the drawings issued with these bills of quantities and to satisfy themselves as to the nature and the requirements of the Contract works. Failure to do so will be the complete responsibility of the tenderer and no claims whatsoever will be entertained in this regard.</p>				
<p>The descriptions contained in these bills of quantities are to be read in conjunction with the drawings and project specifications and are intended as a means of identifying the various facets of the works. Tenderers shall allow for all costs in connection with the various items taking full cognisance of drawings, specifications and bills of quantities descriptions.</p>				
<p>Where specifications and descriptions in these bills of quantities are in conflict with previous specifications (Preambles), then the specifications or descriptions in these bills of quantities shall take preference.</p>				
<p>SUPPLEMENTARY PREAMBLES</p>	H2			
<p>Proprietary items or materials</p>	H3			
<p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the client or the client's agent</p>				
<p>Descriptions</p>	H3			
<p>Descriptions of paintwork shall be deemed to include for all cutting in</p>				
<p>PREPARATORY WORK TO EXISTING WORK</p>	H2			
<p>Previously painted plastered surfaces</p>	H3			
<p>Surfaces 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 a suitable filler and finished smooth</p>				
<p>Previously painted metal surfaces</p>	H3			
<p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p>				
<p>Previously painted wood surfaces</p>	H3			
<p>Surfaces shall be thoroughly cleaned and sanded down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p>				
<p>PAINTWORK, ETC TO NEW WORK</p>	H2			
<p>Primer: Universal Undercoat and two coats "Dulux" Luxurious silk paint (code: TBC By Architect) Paint colour: to match existing</p>	H2			
<p>1 On internal walls, dry walls etc</p>	m2	355,69		-
<p>One coat "Dulux" plaster primer and two coats "Dulux" Luxurious silk paint (code: 45YY 71/664) paint colour: True Yellow (Yellow)</p>	H2			
<p>2 On internal walls, dry walls etc</p>	m2	41,23		-
<p>One coat "Dulux" plaster primer and two coats "Dulux" Luxurious silk paint (code: 90G 21/472) paint colour: Treehouse (Green)</p>	H2			

3	<p>On internal walls, dry walls etc</p> <p><u>One coat "Dulux" plaster primer and two coats "Dulux" Luxurious silk paint (code:58BB 12/390) paint colour: Kingdom (Blue)</u></p>	m2	41,1		-	
4	<p>On internal walls, dry walls etc</p> <p><u>One coat "Dulux" plaster primer and two coats "Dulux" Luxurious silk paint (code: 19YR 13/558) paint colour: Flaming Sword (Red)</u></p>	m2	41,02		-	
5	<p>On internal walls, dry walls etc</p>	m2	25,18		-	
<p>PART 5 BILL NO 11</p>		H1 H1				
<p>PAPERHANGING</p>		H1				
<p>NOTE : Tenderers are advised to study the "MODEL PREAMBLES FOR TRADES" (2008 Edition) as recommended and published by the Association of South African Quantity Surveyors before pricing this bill.</p>		H4				
<p><u>General</u></p>		H4				
<p>Tenderers are to note that these Bills of Quantities have been prepared in accordance with the Standard System of Measuring Builders Work (Sixth Edition) 1999, as published by the Association of South African Quantity Surveyor</p>						
<p>Tenderers are to inspect the drawings issued with these bills of quantities and to satisfy themselves as to the nature and the requirements of the Contract works. Failure to do so will be the complete responsibility of the tenderer and no claims whatsoever will be entertained in this regard.</p>						
<p>The descriptions contained in these bills of quantities are to be read in conjunction with the drawings and project specifications and are intended as a means of identifying the various facets of the works. Tenderers shall allow for all costs in connection with the various items taking full cognisance of drawings, specifications and bills of quantities descriptions.</p>						
<p>Where specifications and descriptions in these bills of quantities are in conflict with previous specifications (Preambles), then the specifications or descriptions in these bills of quantities shall take preference.</p>						
<p>PREPARATORY WORK TO EXISTING WORK</p>		H2				
<p>Previously painted plastered surfaces</p>		H3				
<p>Surfaces 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 a suitable filler and finished smooth</p>						
<p>Previously painted metal surfaces</p>		H3				
<p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p>						
<p>Previously painted wood surfaces</p>		H3				
<p>Surfaces shall be thoroughly cleaned and sanded down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p>						
<p>PAPERHANGING TO NEW WORK</p>		H2				
<p><u>Custom printed graphic wallpaper (PC R350/m2), as per Architect specification</u></p>		H2				
1	<p>On internal walls; drywalls etc</p>	m2	65		-	
<p>PAPERHANGING TO EXISTING WORK</p>		H2				
<p><u>Custom printed graphic wallpaper (PC R350/m2) as per Architect specification</u></p>		H2				
2	<p>On previously painted internal walls; drywalls etc</p>	m2	13		-	
<p>PART 5 BILL NO. 12</p>		H1 H1				
<p>BUDGETARY ALLOWANCES</p>		H1				
<p>PREAMBLES</p>		H2				
<p>NOTE : Tenderers are advised to study the "MODEL PREAMBLES FOR TRADES" (2008 Edition) as recommended and published by the Association of South African Quantity Surveyors before pricing this bill.</p>						
<p><u>General</u></p>		H4				
<p>Tenderers are to note that these Bills of Quantities have been prepared in accordance with the Standard System of Measuring Builders Work (Sixth Edition) 1999, as published by the Association of South African Quantity Surveyor</p>						
<p>Tenderers are to inspect the drawings issued with these bills of quantities and to satisfy themselves as to the nature and the requirements of the Contract works. Failure to do so will be the complete responsibility of the tenderer and no claims whatsoever will be entertained in this regard.</p>						

	<p>The descriptions contained in these bills of quantities are to be read in conjunction with the drawings and project specifications and are intended as a means of identifying the various facets of the works. Tenderers shall allow for all costs in connection with the various items taking full cognisance of drawings, specifications and bills of quantities descriptions.</p> <p>Where specifications and descriptions in these bills of quantities are in conflict with previous specifications (Preambles), then the specifications or descriptions in these bills of quantities shall take preference.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>NOTE: Budgetary allowances listed below are for work to be executed by the Principal Contractor and will be measured and valued in terms of rates submitted against similar items in these bills.</p> <p>NOTE: These items are to be taken into account in the pricing of the Preliminaries as they will NOT attract separate Preliminaries of their own. Mark-ups are included in the values.</p> <p>The following budgetary allowances are for work to be executed by the PRINCIPAL CONTRACTOR</p> <p>1 Provide the amount as indicated for builder's work related to space planning; finishes etc.</p> <p>2 Provide the amount as indicated for builder's work related to IT Room</p> <p>3 Provide the amount as indicated for builders work in connection with the services etc.</p>	<p>H2</p> <p>H3</p> <p>Item</p> <p>Item</p> <p>Item</p>	<p>1</p> <p>1</p> <p>1</p>	<p>94 171,25</p> <p>252 242,31</p> <p>375 533,54</p>	<p>94 171,25</p> <p>252 242,31</p> <p>375 533,54</p>
<p>1 Alterations</p> <p>2 MASONRY</p> <p>3 WATERPROOFING</p> <p>4 CARPENTRY AND JOINERY</p> <p>5 CEILINGS ETC</p> <p>6 METALWORK</p> <p>7 PLASTERING</p> <p>8 TILING</p> <p>9 PAINTWORK</p> <p>10 PAPERHANGING</p> <p>11 BUDGETARY ALLOWANCES</p>		<p>Page</p> <p>Page</p> <p>Page</p> <p>Page</p> <p>Page</p> <p>Page</p> <p>Page</p> <p>Page</p> <p>Page</p> <p>Page</p>			<p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p>
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 1</u></p> <p><u>PROVISIONAL SUMS - STRUCTURE & FINISHES</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : Tenderers are advised to study the "MODEL PREAMBLES FOR TRADES" (2008 Edition) as recommended and published by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in other Sections and Bills, shall equally apply to this Bill.</p> <p>Attendance</p> <p>The amounts allowed for "attendance" must provide for all services rendered, attendance of making good of all trades after "specialists", also for the use of any scaffolding and equipment.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p><u>General notes, described in Section No. 1, Bill No. 1, shall equally apply to this Bill.</u></p> <p>-----</p> <p><u>PLUMBING INSTALLATION</u></p> <p>1 Provision for plumbing and drainage</p> <p>2 Profit</p> <p>3 Attendance</p> <p><u>SANITARY FITTINGS</u></p> <p>4 Provision for sanitary fittings</p> <p>5 Profit</p> <p>6 Attendance</p>	<p>H1</p> <p>H1</p> <p>H1</p> <p>H2</p> <p>H2</p> <p>H3</p> <p>H2</p> <p>H2</p> <p>Item</p> <p>%IT</p> <p>%IT</p> <p>H2</p> <p>Item</p> <p>%IT</p> <p>%IT</p>	<p>1</p> <p>1</p> <p>1</p>	<p>9 000,00</p> <p>5 595,00</p>	<p>9 000,00</p> <p>-</p> <p>-</p> <p>5 595,00</p> <p>-</p> <p>-</p>

<u>BATHROOM FITTINGS</u>		H2			
7	Provision for bathroom fittings	Item	1	5 000,00	5 000,00
8	Profit	%IT			-
9	Attendance	%IT			-
<u>IRONMONGERY</u>		H2			
10	Provision for ironmongery	Item	1	17 000,00	17 000,00
11	Profit	%IT			-
12	Attendance	%IT			-
<u>SECTION NO. 3</u>		H1			
<u>BILL NO. 2</u>		H1			
<u>PROVISIONAL SUMS - SERVICES</u>		H1			
<u>PREAMBLES</u>		H2			
NOTE : Tenderers are advised to study the "MODEL PREAMBLES FOR TRADES" (2008 Edition) as recommended and published by the Association of South African Quantity Surveyors before pricing this bill.					
<u>SUPPLEMENTARY PREAMBLES</u>		H2			
Supplementary preamble items described in other Sections and Bills, shall equally apply to this Bill.					
Attendance		H3			
The amounts allowed for "attendance" must provide for all services rendered, attendance of making good of all trades after "specialists", also for the use of any scaffolding and equipment.					
<u>GENERAL NOTES TO TENDERERS</u>		H2			
General notes, described in Section No. 1, Bill No. 1, shall equally apply to this Bill.					

<u>ELECTRICAL INSTALLATION</u>		H2			
1	Provision for electrical installation	Item	1	666 600,00	666 600,00
2	Profit	%IT			-
3	Attendance	%IT			-
<u>HVAC INSTALLATION</u>		H2			
4	Provision for HVAC installation	Item	1	721 600,00	721 600,00
5	Profit	%IT			-
6	Attendance	%IT			-
<u>FIRE AND SMOKE DETECTION AND CONTROL</u>		H2			
7	Provision for fire protection	Item	1	69 300,00	69 300,00
8	Profit	%IT			-
9	Attendance	%IT			-
1	PROVISIONAL SUMS - STRUCTURE & FINISHES	Page			
2	PROVISIONAL SUMS - SERVICES	Page			
1	PART 4 - PRELIMINARIES	Page			-
2	PART 5 - BUILDING WORKS	Page			-
SUB TOTAL		ST			-
3	PROVISIONAL SUMS	Page			-
VALUE ADDED TAX		TAX	15%		-
Carried over to Form of Tender					-

SA TOURISM REFURBISHMENT

SUBJECT : SCHEDULE OF RATES

FIRE PROTECTION INSTALLATION

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.	<u>Supply, delivery and installation of analogue addressable fire detection and alarm system in accordance with SANS 10139</u>				
1.1	Optical smoke detector (including base)				
1.1.1	Supply and delivery	No.			R0,00
1.1.2	Installation	No.			R0,00
1.2	Alarm sounder c/w strobe (including base)				
1.2.1	Supply and delivery	No.			R0,00
1.2.2	Installation	No.			R0,00
1.3	Manual call point (including base)				
1.3.1	Supply and delivery	No.			R0,00
1.3.2	Installation	No.			R0,00
1.4	Loop isolators				
1.4.1	Supply and delivery	No.			R0,00
1.4.2	Installation	No.			R0,00
1.5	Interface units				
1.5.1	Supply and delivery	No.			R0,00
1.5.2	Installation	No.			R0,00
1.6	PH30 fire rated cable				
1.6.1	Supply and delivery	Meter			R0,00
1.6.2	Installation	Meter			R0,00
1.7	Fire detection control panel				
1.7.1	Supply and delivery	No.		Existing	Existing
1.7.2	Installation	No.		Existing	Existing
1.8	Wireways				
1.8.1	Supply and delivery	Meter		Existing	Existing
1.8.2	Installation	Meter		Existing	Existing
1.9	Service existing fire detection control panel and devices i.e detectors, sounder, call points				
1.9.1	Flat rate to service both Ground & First Floor	No.			Rate only
2.	<u>Supply, delivery and installation of 190 modules photoluminescent statutory emergency signage in accordance with SANS 1186 c/w with hanging & fixing details</u>				
2.1	Fire detection control panel				
2.1.1	Supply and delivery	No.			R0,00
2.1.2	Installation	No.			R0,00

SA TOURISM REFURBISHMENT

SUBJECT : SCHEDULE OF RATES

ELECTRICAL INSTALLATION

ITEM	DESCRIPTION	UNIT	QTY	RATE
	<u>LIGHTING</u>			
1	Supply, deliver, install, connect, test and commissioning the following light fittings			
1,1	Type A (600 x 600 - 36W LED Panel , standard non dimmable c/w driver & 3meter cord ending in 6A plug top)			
1.1.1	Supply	No		
1.1.2	Installation	No		
1,2	Supply and Install accessories to boxes			
1.2.1	6A, 3-pin socket outlets to trunking	No		
1,3	Multi Technology (PIR/Ultrasonic) - Occupancy Sensor - 360°, with 9000mm detection radius	No		
	<u>WIRING AND TERMINALS</u>			
2	Supply, Deliver and installation of Cu Conductors:			
2,1	4mm ² PVC insulated conductor			
2.1.1	Supply and delivery	Meter		
2.1.2	Installation	Meter		
2,2	2.5mm ² PVC insulated conductor			
2.2.1	Supply and delivery	Meter		
2.2.2	Installation	Meter		
2,3	2.5mm ² bare copper earth wire			
2.3.1	Supply and delivery	Meter		
2.3.2	Installation	Meter		
2,4	4mm ² bare copper earth wire			
2.4.1	Supply and delivery	Meter		
2.4.2	Installation	Meter		
2,5	2.5mm ² , 3 core Surfex, white			
2.5.1	Supply and delivery	Meter		
2.5.2	Installation	Meter		
2.5.3	Termination	No		
	<u>SMALL POWER</u>			
3	Supply, delivery and installation of power outlets			
3,1	Corporate Connection - installed flush mounted on desk including 1 x 230V, 16A, 3 pin RSA SSO, 1 x Euro 3 Pin SSO, 1 x 230V, 16A 3pin Red SSO, space for 2 x RJ45, c/w 1.5m interconnecting cables			
3.1.1	Supply	No		
3	Installation	No		
4	Supply, delivery and installation of socket outlets (Crabtree or Similar Approved)			
4,1	16 A, 3-pin standard white SSO			
4.1.1	Flush Mounted	No		
4.1.2	Surface mounted	No		
4.1.3	Mounted in power skirting	No		
4.1.4	Mounted on power pole/panel	No		
4,2	16 A, 3-pin dedicated red SSO			

4.2.1	Flush Mounted	No		
4.2.2	Surface mounted	No		
4.2.3	Mounted in power skirting	No		
4.2.4	Mounted on power pole	No		
4,3	Supply and installation of isolators			
4.3.1	20A double pole	No		
4.3.2	30A double pole	No		
4.3.3	30A double pole - Weather Proof Lockable Rotary	No		
4.3.4	30A triple pole - Lockable Rotary Isolator	No		
4,4	Supply two compartment, two cover powder coated steel power skirting complete with all accessories.			
4.4.1	Supply and delivery	Meter		
4.4.2	Installation	Meter		
4.4.3	Bends	No		
4.4.4	Ends	No		
5	Supply, delivery and install 3m Power Pole, c/w all accesorries and including 1 x 16A normal SSO, 1 x 16A red SSO, 6 x data blanks			
5,1	Supply and delivery	No		
5,2	Installation	No		
	<u>WIREWAYS</u>			
6	Supply, delivery and installation of PVC conduits, surface mounted in ceiling voids and fixed to walls or cast-in or built into walls, including all fixing materials, bends, terminations, draw boxes, etc.			
6,1	32mm diameter			
6.1.1	Supply and delivery	Meter		
6.1.2	Installation	Meter		
6,2	25mm diameter			
6.2.1	Supply and delivery	Meter		
6.2.2	Installation	Meter		
6,3	20mm diameter			
6.3.1	Supply and delivery	Meter		
6.3.2	Installation	Meter		
7	Supply, delivery and installation of Conduit outlets boxes			
7,1	50mm Round box			
7.1.1	Supply and delivery	No		
7.1.2	Installation	No		
7,2	100 x 100 x 50 mm			
7.2.1	Supply and delivery	No		
7.2.2	Installation	No		

BILL No. 2 - OFFICE FLOORS, SA TOURISM REFURBISHMENT

Item	Description	Unit	Quantity	Tariff	Amount
	MAJOR EQUIPMENT				
	Fresh Air Unit in accordance with Part C3 Section 11.02.01 mounted on the roof slab complete with:				
1,001					
1,002	-Supply and inlet ducting connections c/w canvass collars.				
1,003	-Primary and secondary filters				
1,004	-Electrical wiring				
1,005	-AVM				
1,006	-50mm Spare set of Filters				
1,007	-MCC Panel				
1,008	-Unistrut Support Frame				
	<u>Reference No's</u>				
1,009	FAU 01: 2933 l/sec @250 Pa c/w 48kW Electrical Heater	No			
1,010	FAU 02: 4620 l/sec @250 Pa c/w 75kW electrical Heater	No			
	Axial Fan complete with AVM's, electrical wiring & canvass collars in accordance with Part C.3 Section 08.02				
1,011					
	<u>Reference No's</u>				
1,012	FA01 : Ø400 510 L/s @ 250 Pa	No			
	Sound attenuators in accordance with Part C3 Section 18.01				
1,013					
	<u>Reference No's</u>				
1,014	SA01 : 1500 X 500 X 1200 long c/w splitters	No			
1,015	SA02 : 1000 X 500 X 1200 long c/w splitters	No			
1,016	SA03 : Ø400 (2.0D) POD	No			
	Cassette split heat pump units, all in accordance with Part C.3 Section 14.02 of specification, complete with:				
1,017					
1,018	- Indoor unit				
1,019	- Interconnecting refrigeration piping				
1,020	- Electrical wiring				
1,021	- Condensate drain				
1,022	- Outdoor unit				
1,023	- Filters				
1,024	- Wall mounted controller				
1,025	- Inverter				
	<u>Reference No's</u>				
1,026					
1,027	SCUI 01 3.5 kW (Cooling) 4,0 kW (Heating)	No			
1,028	SCUI 02 5,0 kW (Cooling) 5,0 kW (Heating)	No			
1,029	SCUI 03 7,2 kW (Cooling) 7,2 kW (Heating)	No			
1,030	SCUI 04 8,8 kW (Cooling) 9,2 kW (Heating)	No			
	Midwall split heat pump units, all in accordance with Part C.3 Section 14.02 of specification, complete with:				
1,031					
1,032	- Indoor unit				
1,033	- Interconnecting refrigeration piping				
1,034	- Electrical wiring				
1,035	- Condensate drain				
1,036	- Outdoor unit				
1,037	- Filters				
1,038	- Wall mounted controller				
1,039	- Inverter				
	<u>Reference No's</u>				
1,040	SMUI 01 3.5 kW (Cooling) 1,7 kW (Heating)	No			
1,041	SMUI 02 2,8 kW (Cooling) 3,2 kW (Heating)	No			
1,042	SMUI 03 4,5 kW (Cooling) 5,0 kW (Heating)	No			
1,043	SMUI 04 6,8 kW (Cooling) 7,0 kW (Heating)	No			
TOTAL TRANSFERRED TO BILL No. 3 SUMMARY - PAGE 5 OF 5					

BILL No. 2 -OFFICE FLOORS, SA TOURISM REFURBISHMENT

Item	Description	Unit	Quantity	Tariff	Amount
	DUCTING				
2,001	Galvanised sheet metal ducting - Internal Ducting				
2,002	Rectangular ducting supported from concrete soffit.				
2,003	Category 1	m ²			
2,004	Category 2	m ²			
2,005	Category 3	m ²			
2,006	Extra over for rectangular fittings supported from concrete soffit.				
2,007	- Extra over fittings - Bends				
2,008	Category 1	No			
2,009	Category 2	No			
2,010	Category 3	No			
2,011	- Extra over fittings - Transformations				
2,012	Category 1	No			
2,013	Category 2	No			
2,014	Category 3	No			
2,015	- Extra over fittings - Shoes				
2,016	Category 1	No			
2,017	Category 2	No			
2,018	Category 3	No			
2,019	- Extra over fittings - Stop Ends				
2,020	Category 1	No			
2,021	Category 2	No			
2,022	Category 3	No			
2,023	- Extra over fittings - Spigots				
2,024	Round ducting &150	No			
2,025	Round ducting &200	No			
2,026	Round ducting &250	No			
2,027	Flexible ducting				
2,028	Acoustic flexible ducting (1.5m long)				
2,029	Ø150	No			
2,030	Ø200	No			
2,031	Ø250	No			
TOTAL TRANSFERRED TO BILL No. 3 SUMMARY - PAGE 5 OF 5					

BILL No. 2 - OFFICE FLOORS, SA TOURISM REFURBISHMENT

Item	Description	Unit	Quantity	Tariff	Amount
3,001	Galvanised sheet metal ducting - External Ducting complete with cladding				
3,002	Rectangular ducting supported on concrete roof slab.				
3,003	Category 2	m ²			
3,004	Category 3	m ²			
3,005	Category 4	m ²			
3,006	Extra over for rectangular fittings supported on concrete roof slab.				
3,007	- Extra over fittings - Bends				
3,008	Category 2	No			
3,009	Category 3	No			
3,010	Category 4	No			
3,011	- Extra over fittings - Transformations				
3,012	Category 2	No			
3,013	Category 3	No			
3,014	Category 4	No			
3,015	- Extra over fittings - Shoes				
3,016	Category 2	No			
3,017	Category 3	No			
3,018	Category 4	No			
TOTAL TRANSFERRED TO BILL No. 3 SUMMARY - PAGE 5 OF 5					

BILL No. 2 - OFFICE FLOORS, SA TOURISM REFURBISHMENT

Item	Description	Unit	Quantity	Tariff	Amount
	GRILLES AND DIFFUSERS				
	Constant Volume Terminals, with plenum box, spigot and damper				
4,001					
4,002	Fresh Air Grilles: 600 x 600 c/w & 150 spigot connection	No			
4,003	Fresh Air Grilles: 600 x 600 c/w & 200 spigot connection	No.			
4,004	Fresh Air Grilles: 600 x 600 c/w & 250 spigot connection	No.			
4,005	Disc Valve : DIA 150	No.			
	CONTROL SYSTEM				
4,006	Seven day timer (c/w wiring etc. mounted in MCC's)	No.			
4,007	MCC for roof fans	No.			
TOTAL TRANSFERRED TO BILL No. 3 SUMMARY - PAGE 5 OF 5					

BILL No. 2 - OFFICE FLOORS, SA TOURISM REFURBISHMENT

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