

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

Item No		Quantity	Rate	Amount
	<u>BILL NO 1</u>			
	<u>PRELIMINARY AND GENERAL(Applicable to the whole of the Works)</u>			
	<u>FIXED CHARGE ITEMS</u>			
	Contractual requirements		SUM	
	<u>Establishment of Facilities on the Site</u>			
	<u>Facilities for Engineer</u>			
1	Furnished offices		SUM	
2	Name boards. (In No. 2)		SUM	
	<u>Facilities for Contractor</u>			
3	Offices and storage sheds		SUM	
4	Workshops		SUM	
5	Laboratories		SUM	
6	Living accommodation		SUM	
7	Ablution and latrine facilities		SUM	
8	Tools and equipment		SUM	
9	Water supplies, electric power, communications and access		SUM	
10	Dealing with water connections and meters		SUM	
11	Dealing with electrical connections and meters		SUM	
12	Access		SUM	
13	Plant		SUM	
14	Density Tests		SUM	
15	Concrete Tests		SUM	
	Carried Forward		R	
	Bill No. 1 PRELIMINARIES AND GENERAL			

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

	Brought Forward		R
16	Complying with Health and Safety Specifications		SUM
17	Complying with Environmental Management Programme Act and all other statutory environmental requirements		SUM
18	Security for the works for duration of the contract.		SUM
19	Other fixed charge obligations		SUM
20	Transport Material.....		SUM
21		SUM
22	Removal of site establishment		SUM
	<u>TIME RELATED ITEMS</u>		
23	Contractual requirements		SUM
	<u>Operation and Maintenance of Facilities on Site, for Duration of Construction, (unless otherwise stated)</u>		
	<u>Facilities for Engineer</u>		
24	Furnished offices		SUM
25	Nameboards. (In No. 2)		SUM
	<u>Facilities for Contractor</u>		
26	Offices and storage sheds		SUM
27	Workshops		SUM
28	Laboratories		SUM
29	Living accommodation		SUM
30	Ablution and latrine facilities		SUM
	Carried Forward		R
	Bill No. 1 PRELIMINARIES AND GENERAL		

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

	Brought Forward		R
31	Tools and equipment		SUM
32	Water supplies, electric power, communications and access		SUM
33	Dealing with water connections and meters		SUM
34	Dealing with electrical connections and meters		SUM
35	Access		SUM
36	Plant		SUM
37	Density Tests		SUM
38	Concrete Tests		SUM
39	Supervision for duration of construction		SUM
40	Complying with Health and Safety Specifications		SUM
41	Company and head office overhead costs for duration of construction		SUM
42	Complying with Environmental Management Programme Act and all other statutory environmental requirements		SUM
43	Security for the works for the duration of the contract		SUM
44	Other time related obligations		SUM
45		SUM
46		SUM
	Carried to Summary		R
	Bill No. 1		
	PRELIMINARIES AND GENERAL		

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

Item No		Quantity	Rate	Amount
<u>BILL No. 2</u>				
<u>ALTERATIONS</u>				
Relevant Municipal by laws must be taken into consideration during the physical designs and construction.				
<u>QUANTITY SPLIT</u>				
BA = Main Building BB = Single Storey Building & Corridor BC = Classroom				
<u>REMOVAL OF EXISTING WORK</u>				
<u>Taking down and removing:</u>				
1	Remove existing steel pitched IBR roof covering including fixtures (Provisional) BA : 224 BB : 0 BC : 0	m2	224	
2	Remove existing flat waterproofing (in patches) BA : 50 BB : 0 BC : 0	m2	50	
3	Remove existing corrugated iron sheeting for the classroom (Provisional) BA : 0 BB : 0 BC : 10	m2	10	
4	Remove existing sisalation reflective foil (Provisional) BA : 224 BB : 0 BC : 0	m2	224	
5	Hack-up and removing floor screed BA : 15 BB : 0 BC : 0	m2	15	
6	Remove existing steel rafters (Provisional) BA : 25 BB : 0 BC : 0	m	25	
7	Remove existing flashings (In sections) BA : 56 BB : 0 BC : 0	m	56	
8	Take-out and remove existing glazed steel window panes not exceeding 2,5m ² BA : 3 BB : 0 BC : 0	No	3	
Carried Forward				R
Bill No. 2 ALTERATIONS				

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

Brought Forward			R
<u>Taking up and removing ceramic floor coverings, carpeting, etc and prepare screeds for new floor coverings:</u>			
9	Tile floor covering (Provisional) BA : 40 BB : 0 BC : 0	m2	40
10	Carpet tile floor covering (Provisional) BA : 0 BB : 566 BC : 0	m2	566
<u>Hack off and remove from brick walls and prepare surfaces to receive new:</u>			
11	Tiles to walls (Provisional) BA : 40 BB : 0 BC : 0	m2	40
<u>PREPARATORY WORK TO EXISTING SURFACES</u>			
<u>MAKING GOOD OF FINISHES ETC</u>			
<u>DEEP CLEANING</u>			
<u>Surfaces shall be high pressure cleaned and prepared for new finish.</u>			
12	High pressure cleaning to existing external walls BA : 1156 BB : 945 BC : 0	m2	2,101
13	High pressure cleaning on external floors BA : 150 BB : 10 BC : 0	m2	160
14	Deep clean existing carpets on internal floors BA : 50 BB : 925 BC : 0	m2	975
Carried to Summary			R
Bill No. 2 ALTERATIONS			

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

Item No		Quantity	Rate	Amount
	<p><u>BILL No. 3</u></p> <p><u>MASONRY</u></p> <p><u>QUANTITY SPLIT</u></p> <p>BA = Main Building BB = Single Storey Building & Corridor BC = Classroom</p> <p><u>BRICKWORK</u></p> <p><u>Sizes in descriptions:</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><u>Pointing:</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc</p> <p><u>Brickwork of NFP 14MPa bricks in class II mortar:</u></p>			
1	110mm Brick walls (Provisional) BA : 10 BB : 0 BC : 0	m2	10	
2	270mm Cavity walls (Provisional) BA : 50 BB : 0 BC : 0	m2	50	
	<p><u>Brickwork reinforcement:</u></p>			
3	75mm Wide reinforcement built in horizontally BA : 14 BB : 0 BC : 0	m	14	
	<p><u>REINFORCED CONCRETE</u></p> <p><u>25MPa/19mm concrete</u></p>			
4	100mm Concrete wall for strong room BA : 50 BB : 0 BC : 0	m2	50	
5	Concrete roof slab slope with water escape holes (Provisional) BA : 8 BB : 0 BC : 0	m2	8	
	<p><u>REINFORCEMENT</u></p>			
	Carried Forward			R
	<p>Bill No. 3 MASONRY</p>			

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

		Brought Forward		R
	<u>High-tensile steel bars in the following:</u>			
6	10mm Diameter bars BA : 0.4 BB : 0.0 BC : 0.0	t	0.4	
	<u>TEST BLOCKS</u>			
	<u>The costs of making, storing and testing of concrete test cubes as required under "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the engineer. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the engineer. (Test cubes are measured separately)</u>			
7	Making and testing 150 x 150 x 150mm concrete strength test cube. (Provisional) BA : 2.0 BB : 0.0 BC : 0.0	Sets	2.0	
	Carried to Summary			R
	Bill No. 3 MASONRY			

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

Item No		Quantity	Rate	Amount
<u>BILL No. 5</u>				
<u>ROOF COVERINGS ETC.</u>				
<u>QUANTITY SPLIT</u>				
BA = Main Building BB = Single Storey Building & Corridor BC = Classroom				
<u>PROFILED METAL SHEETING AND ACCESSORIES</u>				
<u>IBR 686 profile aluminium sheeting with a Sil Finish Dove Grey in single lengths not exceeding 5000mm long lapped one corrugation at sides of sheets fixed with HHTS No.14 x 80mm self tapping electro galvanised top speed fasteners complete with bonded washers at 340mm centres:</u>				
1	Aluminium steel pitched IBR covering (Provisional) BA : 224 BB : 0 BC : 10	m2	234	
2	Moulded narrow polyurethane foam strip sealer BA : 57 BB : 0 BC : 0	m	57	
<u>ROOF INSULATION</u>				
<u>"Super Sisalation" (405) residential grade aluminium foil stapled to trusses:</u>				
3	Insulation laid taut over rafters (at approximately 900mm centres) and fixed concurrent with tiling battens, purlins, etc. (On Slope) (Provisional) BA : 224 BB : 0 BC : 10	m2	234	
<u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u>				
<u>One layer "Bituthene 3000" waterproofing including membrane</u>				
4	On flat roofs (In patches) BA : 120 BB : 120 BC : 0	m2	240	
5	On roof slab (slope) BA : 8 BB : 0 BC : 0	m2	8	
Carried Forward				R
Bill No. 4 ROOF COVERINGS, ETC				

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

		Brought Forward		R
	<u>Two coats bituminous aluminium paint</u>			
6	On flat roofs (In patches)	m2	240	
	BA : 120 BB : 120 BC : 0			
		Carried to Summary		R
Bill No. 4 ROOF COVERINGS, ETC				

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

Item No		Quantity	Rate	Amount
	<u>BILL No. 5</u> <u>CARPENTRY AND JOINERY</u> <u>QUANTITY SPLIT</u> BA = Main Building BB = Single Storey Building & Corridor BC = Classroom <u>Fixing:</u> <u>DOORS, ETC</u> <u>Wrought meranti doors</u>			
1	44mm Framed batten door 813 x 2032mm high of 44 x 107mm top rail and stiles, 22 x 107mm middle ledge and braces and 22 x 219mm bottom rail filled in with 107mm V-jointed one side boarding BA : 5 BB : 0 BC : 0	No	5	
2	<u>FITTINGS</u> Allow the amount of R45,000.00 (Forty five thousand rand and nil cents) for joinery fitting installation supplied and installed complete by a selected sub contractor, to be used as instructed by the SARAO Representative.	Item		45,000.00
3	Allow for profit and general attendance		%	
	Carried to Summary			R
	Bill No. 5 CARPENTRY AND JOINERY			

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

Item No		Quantity	Rate	Amount
<u>BILL No. 6</u>				
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>				
<u>QUANTITY SPLIT</u>				
BA = Main Building BB = Single Storey Building & Corridor BC = Classroom				
<u>CEILINGS</u>				
<u>Pre-painted 1200 x 600 x 12,7mm 'BPB Gypsum DonnCeil' Gyprex white vinyl fissured drop-in ceiling panels on 'Donn SQ/T38' pre-painted exposed tee suspension system including main and cross tees, necessary hangers, grids, cornice, circular cutting, light fitting openings, air conditioning diffusers openings, etc., below concrete slab</u>				
1	Suspended ceiling 1200 x 600mm drop in tile boards & grid (Provisional) BA : 566 BB : 0 BC : 0	m2	566	
2	Suspended vertical bulkheads BA : 100 BB : 0 BC : 0	m2	100	
3	Ceiling boards to replace and match the existing (In patches) BA : 10 BB : 10 BC : 0	No	20	
<u>Insulation:</u>				
4	Flexible Glass-wool insulation, non-combustible lightweight industrial fibreglass insulation material (nominal density 12kg per m3), with Reinforced Kraft Aluminium foil finish in 50mm Thick insulation laid taut over suspended ceiling grid (at approximately 600mm centres) (grid elsewhere measured). (Provisional) BA : 50 BB : 50 BC : 0	m2	100	
<u>PARTITIONS ETC</u>				
Carried Forward				R
Bill No. 6 CEILINGS, PARTITIONS AND ACCESS FLOORING				

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

		Brought Forward		R
<u>DRY WALL</u>				
5	3.2m High gypsum wall-board partition including skimming BA : 250 BB : 0 BC : 0	m	250	
<u>ALUMINIUM DOOR FRAMES</u>				
6	Frame for single door 813 x 2032mm high BA : 5 BB : 0 BC : 0	No	5	
7	75mm Aluminium skirting BA : 776 BB : 0 BC : 0	m	776	
<u>GLASS PARTITION WALL</u>				
8	3,2m High glass wall partition system comprising of an 83mm thick tongued and grooved acoustically decoupled track, wall connections with privacy (frosted) film BA : 110 BB : 0 BC : 0	m	110	
<u>EXTRA OVER DOORS</u>				
<u>83mm Clear toughened safety glass with polished edges all round. Glass doors to include hinges, positive & negative extrusions, leaf style, handles, euro cylinder plate, lock and door stop.</u>				
9	813 x 2032mm Glass doors BA : 35 BB : 0 BC : 0	No	35	
<u>GLAZING TO STEEL WITH PUTTY</u>				
<u>Clear float glass</u>				
10	Panes exceeding 0,5m ² and not exceeding 2m ² BA : 3 BB : 0 BC : 0	m ²	3	
Carried to Summary				R
Bill No. 6 CEILINGS, PARTITIONS AND ACCESS FLOORING				

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

Item No		Quantity	Rate	Amount
	<u>BILL No. 7</u>			
	<u>FLOOR COVERINGS, WALL LININGS, ETC</u>			
	<u>QUANTITY SPLIT</u>			
	BA = Main Building BB = Single Storey Building & Corridor BC = Classroom			
	<u>Note: Application and curing to be strictly to manufacturers specification.</u>			
	<u>SCREEDS</u>			
	<u>Screeds on concrete</u>			
	<u>Self-leveling screed to existing floors:</u>			
1	10mm Thick on floors in making up levels BA : 566 BB : 0 BC : 0	m2	566	
	<u>CARPET</u>			
	<u>Prepare existing surface to receive heavy duty commercial carpet laid as per manufactures specification:</u>			
2	On internal floors (PC = R160/m2) BA : 576 BB : 0 BC : 0	m2	576	
	<u>FLOOR TILING</u>			
	<u>Allow the prime cost amount of R230.00 (Two hundred and thirty rand and nil cents) net per square metre excluding VAT for supply only of porcelain floor tiles.</u>			
3	On internal floors and landings BA : 40 BB : 0 BC : 0	m2	40	
	<u>Allow the prime cost amount of R160.00 (One hundred and sixty rand and nil cents) net per square metre excluding VAT for supply only of ceramic floor tiles</u>			
4	On external floors and landings (on patches) BA : 40 BB : 0 BC : 0	m2	40	
5	On narrow widths BA : 20 BB : 0 BC : 0	m2	20	
	Carried Forward			R
	Bill No. 7 FLOOR COVERINGS, WALL LININGS, ETC			

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

		Brought Forward		R
<u>SUNDRIES</u>				
6	Aluminium tile transition strip	m	100	
	BA : 100 BB : 0 BC : 0			
		Carried to Summary		R
Bill No. 7				
FLOOR COVERINGS, WALL LININGS, ETC				

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

Item No		Quantity	Rate	Amount
	<u>WALL FINISHES</u>			
	<u>QUANTITY SPLIT</u>			
	BA = Main Building BB = Single Storey Building & Corridor BC = Classroom			
	<u>INTERNAL PLASTER</u>			
	<u>Cement plaster on concrete</u>			
1	On vertical surfaces (Strong room) BA : 88 BB : 0 BC : 0	m2	88	
	<u>WALL TILING</u>			
	<u>Allow the prime cost amount of R165.00 (One hundred and sixty five rand and nil cents) net per square metre excluding VAT for supply only of porcelain wall tiles (fixing of tiles elsewhere measured),</u>			
2	On plastered walls. BA : 20 BB : 0 BC : 0	m2	20	
3	On plastered walls narrow widths not exceeding 300mm BA : 5 BB : 0 BC : 0	m2	5	
	<u>Fix 300 x 300x 12mm Porcelain wall tiles (supply of tiles elsewhere measured) with an approved porcelain tile adhesive to plaster (plaster elsewhere measured) and flush pointed with tinted jointing compound, including all square and raking cutting:</u>			
4	On plastered walls. BA : 20 BB : 0 BC : 0	m2	20	
5	On plastered walls narrow widths not exceeding 300mm BA : 5 BB : 0 BC : 0	m2	5	
	<u>SUNDRIES</u>			
6	Aluminium tile edging strip BA : 40 BB : 0 BC : 0	m	40	
	Carried to Summary			R
	Bill No. 8 WALL FINISHES			

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

Item No		Quantity	Rate	Amount
	<u>BILL No. 10</u>			
	<u>PLUMBING AND DRAINAGE</u> <u>(PROVISIONAL)</u>			
	<u>QUANTITY SPLIT</u>			
	BA = Main Building BB = Single Storey Building & Corridor BC = Classroom			
	<u>KITCHEN FITTINGS</u>			
1	Grade 430 stainless steel double bowl sink and drainer size 1160 x 460mm with tiling key, 40mm chromium plated flanged outlets and waste unions, vulcanite or rubber plugs, chromium plated chains and stays, 40mm rubber resealing P-trap with extension piece and clamped connections and 15mm heavy pattern chromium plated brass wall type sink mixer with swivel spout and wall flanges	No	3	
	BA : 3 BB : 0 BC : 0			
	<u>TAPS, VALVES, ETC</u>			
	<u>"Chromium Plated"</u>			
2	15mm Angle regulating valve and 350mm long flexible connection pipe	No	8	
	BA : 8 BB : 0 BC : 0			
3	22mm Shut-off valve	No	2	
	BA : 2 BB : 0 BC : 0			
4	Single hole counter mounted sink mixer with a swivel spout and the reach is 167mm.	No	2	
	BA : 2 BB : 0 BC : 0			
	<u>SANITARY PLUMBING</u>			
	<u>HDPE pipes for drainage installation</u>			
5	50mm Pipe fixed to soffits	m	25	
	BA : 25 BB : 0 BC : 0			
6	110mm Pipe fixed to soffits	m	20	
	BA : 20 BB : 0 BC : 0			
	Carried Forward			R
	Bill No. 9 PLUMBING AND DRAINAGE			

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

Brought Forward				R
<u>Extra over HDPE pipes for butt-welded and/or electro welded sleeve joints and fittings</u>				
7	50mm Bend BA : 24 BB : 0 BC : 0	No	24	
8	50mm Access bend BA : 16 BB : 0 BC : 0	No	16	
9	50mm Access junction BA : 4 BB : 0 BC : 0	No	4	
10	110mm Bend BA : 16 BB : 0 BC : 0	No	16	
11	110 x 50mm Junction BA : 8 BB : 0 BC : 0	No	8	
<u>Testing</u>				
12	Testing sanitary plumbing		Item	
<u>WATER SUPPLIES</u>				
<u>Class 2 copper pipes with capillary type soldered joints, including couplers in the running length</u>				
13	15mm Pipes BA : 20 BB : 0 BC : 0	m	20	
14	15mm Pipe chased in walls BA : 8 BB : 0 BC : 0	m	8	
15	20mm Pipe chased in walls BA : 8 BB : 0 BC : 0	m	8	
16	20mm Pipe fixed to soffits of slabs BA : 30 BB : 0 BC : 0	m	30	
<u>Extra over class 0 copper pipes for soldered capillary fittings</u>				
17	15mm Fittings BA : 32 BB : 0 BC : 0	No	32	
18	20mm Fittings BA : 8 BB : 0 BC : 0	No	8	
<u>Testing</u>				
19	Testing water supply system		Item	
Carried Forward				R
Bill No. 9 PLUMBING AND DRAINAGE				

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

				Brought Forward		R
<u>APPLIANCES</u>						
20	5L Hydroboilers			No	3	
	BA : 3	BB : 0	BC : 0			
				Carried to Summary		R
Bill No. 9 PLUMBING AND DRAINAGE						

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

Item No		Quantity	Rate	Amount
<u>BILL No. 11</u>				
<u>ELECTRICAL INSTALLATION</u>				
<u>QUANTITY SPLIT</u>				
BA = Main Building BB = Single Storey Building & Corridor BC = Classroom				
<u>NEW INSTALLATION:</u>				
1	Provide the sum of R230,000.00 (Two hundred and thirty thousand rand and nil cents) for electrical and light fittings installation supplied and installed complete by a selected sub-contractor, to be used as instructed by the SARAO Representative.	Item		230,000.00
2	Allow for profit and general attendance		%	
<u>UNINTERRUPTED POWER SUPPLY (UPS)</u>				
3	Provide the sum of R500,000.00 (Five hundred thousand rand and nil cents) for an Uninterrupted Power Supply (UPS) supplied and installed complete by a selected sub-contractor, to be used as instructed by the SARAO Representative.	Item		500,000.00
4	Allow for profit and general attendance		%	
<u>SUNDRIES</u>				
<u>Testing and commissioning:</u>				
5	Allow for testing, balancing and commissioning the complete electrical installation and liason with SARAO site representative	Item		
6	Contractor to supply Certificate of Compliance for all electrical work performed from a registered electrician	Item		
Carried to Summary				R
Bill No. 10 ELECTRICAL INSTALLATION				

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

Item No		Quantity	Rate	Amount
	<p><u>BILL No. 12</u></p> <p><u>PAINTWORK</u></p> <p><u>QUANTITY SPLIT</u></p> <p>BA = Main Building BB = Single Storey Building & Corridor BC = Classroom</p> <p><u>PAINTWORK ETC. TO NEW WORK</u></p> <p>PAINT SPECIFICATIONS</p> <p>All painting shall be done in accordance with manufacturers specifications unless otherwise described</p> <p>Paints prescribed are to be applied to prepared areas, preparation and undercoats according to manufactures' specifications</p> <p><u>PREPARATORY WORK TO EXISTING WORK</u></p> <p><u>Previously painted plastered surfaces:</u></p> <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><u>ON FLOATED PLASTER</u></p> <p><u>Remove any loose and flaking residue by means of wire brushing, wash with 'Sugar Soap' or weak spirits of salts, open up cracks, make good and apply one coat alkali resistant primer and two coats wash 'n Wear acrylic emulsion paint on existing enamel paint based surfaces:</u></p>			
1	<p>On internal brick walls (Provisional)</p> <p>BA : 3763 BB : 2509 BC : 0</p>	m2	6,272	
	<p><u>ON FLOATED CONCRETE</u></p>			
2	<p>On internal concrete walls</p> <p>BA : 400 BB : 0 BC : 0</p>	m2	400	
3	<p>On soffits of slabs</p> <p>BA : 1202 BB : 800 BC : 0</p>	m2	2,002	
	<p>Carried Forward</p>		R	
	<p>Bill No. 11 PAINTWORK</p>			

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

		Brought Forward		R
<u>ON FIBRE-CEMENT</u>				
4	3.2m High gypsum wall-board partition BA : 970 BB : 0 BC : 0	m2	970	
<u>ON FLOATED OR SCRATCHED PLASTER</u>				
<u>Remove any loose and flaking residue by means of wire brushing, wash with 'Sugar Soap' or weak spirits of salts, open up cracks, make good and apply one coat alkali resistant primer and two coats wash 'n Wear acrylic emulsion paint on existing enamel paint based surfaces:</u>				
5	On external walls BA : 191 BB : 150 BC : 0	m2	341	
<u>ON METAL</u>				
<u>Prepare surfaces and remove all loose material, dust, grease, salts and contamination with aquasolve degreaser, rinse and apply one coat metal primer, apply one coat undercoat and two coats of polyurethane enamel paint on galvanised steel or aluminium:</u>				
6	On door frames BA : 34 BB : 20 BC : 0	m2	54	
7	On window frames BA : 34 BB : 20 BC : 0	m2	54	
8	Steel structures, Balustrades, etc. (Provisional) BA : 1080 BB : 720 BC : 0	m2	1,800	
<u>ON WOOD</u>				
<u>Stop, fill, sand down and prepare wood surfaces and apply one coat oil wood primer, apply three coats high gloss clear varnish</u>				
9	On doors BA : 128 BB : 50 BC : 0	m2	178	
Carried to Summary				R
Bill No. 11 PAINTWORK				

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

Item No		Quantity	Rate	Amount
	<u>BILL No. 13</u>			
	<u>EXTERNAL WORKS</u>			
	<u>SOIL DRAINAGE</u>			
1	Excavation of exiting pipes BA : 25 BB : 25 BC : 0	m	50	
	<u>HDPE drainpipes and fittings including electroweld sleeve couplings complying with SABS 791</u>			
2	110mm Pipes laying in ground including excavating trench not exceeding 1m deep, 150mm sandbed under around and above pipe compacted to 95% Mod AASHTO density and backfilling to ground level with material arising from the excavations compacted to 95% Mod AASHTO density, including carting away surplus excavated material (Provisional) BA : 25 BB : 25 BC : 0	m	50	
3	110mm Pipes laying in ground including excavating trench exceeding 1m and not exceeding 2m deep, 150mm sandbed under around and above pipe compacted to 95% Mod AASHTO density and backfilling to ground level with material arising from the excavations compacted to 95% Mod AASHTO density, including carting away surplus excavated material (Provisional) BA : 20 BB : 20 BC : 0	m	40	
4	110mm Pipes laying in ground including excavating trench exceeding 2m and not exceeding 3m deep, 150mm sandbed under around and above pipe compacted to 95% Mod AASHTO density and backfilling to ground level with material arising from the excavations compacted to 95% Mod AASHTO density, including carting away surplus excavated material (Provisional) BA : 5 BB : 5 BC : 0	m	10	
	<u>Extra over HDPE pipes for butt-welded and/or electrowelded sleeve joints and fittings complying with SABS 791</u>			
5	110mm Bend BA : 6 BB : 5 BC : 0	No	11	
	Carried Forward			R
	Bill No. 12 EXTERNAL WORKS			

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

			Brought Forward		R
6	110mm Junction BA : 2 BB : 2 BC : 0	No	4		
7	110mm Adaptor (HDPE to Cast iron) BA : 3 BB : 2 BC : 0	No	5		
<u>Cast iron rodding eye</u>					
8	110mm Cast iron 'ABC' cleaning eye cover fixed to top of 110mm HDPE pipe set flush with concrete apron around BA : 3 BB : 2 BC : 0	No	5		
9	Testing drainage pipe system			Item	
<u>MANHOLE CONSTRUCTION</u>					
10	Precast manhole not exceeding 1m deep, including precast concrete cover slab and cover, concrete base and all excavations, backfill, etc. complete BA : 1 BB : 0 BC : 0	No	1		
11	Precast manhole exceeding 1m but not exceeding 2m deep, including precast concrete cover slab and cover, concrete base and all excavations, backfill, etc. complete BA : 1 BB : 0 BC : 0	No	1		
<u>Sundries</u>					
12	Cut into side of precast concrete manhole for 160mm diameter uPVC pipe including sealing all round and make good on completion BA : 1 BB : 0 BC : 0	No	1		
			Carried to Summary		R
Bill No. 12 EXTERNAL WORKS					

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

Item No		Quantity	Rate	Amount
	<u>BILL No. 14</u>			
	<u>PROVISIONAL AMOUNTS (SPECIALIST INSTALLATION)</u>			
	<u>HEATING, VENTILATION, AND AIR CONDITIONING (HVAC) UPGRADE</u>			
1	Provide the sum of R1'250,000.00 (One million, two hundred and fifty thousand rand and nil cents) for the upgrade of the existing HVAC system including additional ducting, electrical connections, pipe insulation, painting, etc. installed complete by a selected sub-contractor, to be used as instructed by the SARAO Representative.	Item		1,250,000.00
2	Allow for profit and general attendance		%	
	<u>OFFICE FURNITURE</u>			
3	Allow the amount of R485,000.00 (Four hundred and Eighty Five thousand rand and nil cents) for Office Furniture supplied and installed complete by a selected sub-contractor, to be used as instructed by the SARAO Representative.	Item		485,000.00
4	Allow for profit and general attendance		%	
	<u>STATUTORY AND CORPORATE SIGNAGE</u>			
5	Provide the sum of R45,000.00 (Forty five thousand rand and nil cents) for Statutory and Corporate Signage supplied and installed complete by a selected sub-contractor, to be used as instructed by the SARAO Representative.	Item		45,000.00
6	Allow for profit and general attendance		%	
	<u>ACCESS CONTROL SERVICES</u>			
7	Provide the sum of R30,000.00 (Thirty thousand rand and nil cents) for Access Control supplied and installed complete by a selected sub-contractor, to be used as instructed by the SARAO Representative.	Item		30,000.00
	Carried Forward		R	
	Bill No. 13 PROVISIONAL AMOUNTS			

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

Brought Forward			R
8	Allow for profit and general attendance		%
	<u>FIRE DETECTION SYSTEM</u>		
9	Allow the amount of R500,000.00 (Five hundred thousand rand and nil cents) for the Fire Protection System supplied and installed complete by a selected sub-contractor, to be used as instructed by the SARAO Representative.	Item	500,000.00
10	Allow for profit and general attendance		%
	<u>LANDSCAPING AND POT PLANTS</u>		
11	Provide the sum of R100,000.00 (One hundred thousand rand and nil cents) for Landscaping and Pot Plants supplied and installed complete by a selected sub-contractor, to be used as instructed by the SARAO Representative.	Item	100,000.00
12	Allow for profit and general attendance		%
	Carried to Summary		R
	Bill No. 13 PROVISIONAL AMOUNTS		

OBSERVATORY – MAIN BUILDING OFFICE SPACE CONVERSION
Detailed Pricing Schedule

Bill No	<u>FINAL SUMMARY</u>	Page No	Amount
1	PRELIMINARIES AND GENERAL	3	
2	ALTERATIONS	5	
3	MASONRY	7	
4	ROOF COVERINGS, ETC	9	
5	CARPENTRY AND JOINERY	10	
6	CEILINGS, PARTITIONS AND ACCESS FLOORING	12	
7	FLOOR COVERINGS, WALL LININGS, ETC	14	
8	WALL FINISHES	15	
9	PLUMBING AND DRAINAGE	18	
10	ELECTRICAL INSTALLATION	19	
11	PAINTWORK	21	
12	EXTERNAL WORKS	23	
13	PROVISIONAL AMOUNTS	25	
	Sub Total (Excluding VAT)		R
	ALLOW FOR PROFESSIONAL FEES FOR DETAIL DESIGNS	Item	
	ALLOW FOR PROFESSIONAL FEES FOR VERIFICATION/MONITORING DURING CONSTRUCTION	Item	
	ALLOW FOR DISBURSEMENT FOR ABOVE ITEMS	Item	
	Total (Excluding VAT)		R
	VAT (15%)		R
	GRAND TOTAL (Including VAT)		R
	Carried to Form of Tender		R