





Section No. 1

Bill No. 1

PRELIMINARIES

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PRELIMINARIES

Bill No. 1  
PRELIMINARIES

WITS PPWFL01\_T01 - SBIMB PHASE 2 BIOBANK EXTENSION

Item No	<b><u>SECTION NO.2 - NEW WING</u></b>	Quantity	Rate	Amount
	<b><u>BILL No. 1</u></b>			
	<b><u>ALTERATIONS</u></b>			
	The Tenderer is advised to refer to the Model Trade Preambles before pricing this Bill			
	<b><u>TEMPORARY BARRIERS, SCREENS, ETC</u></b>			
	<b><u>Temporary barriers, screens, etc including removal</u></b>			
1	Durable weatherproof hoarding 2m high formed of IBR sheeting, standards, posts, etc., and covered with and including concrete bases, excavation, etc., and removal and making good at completion	m	46	
2	Extra over for double gate 4m long (provisional)	No	2	
	<b><u>REMOVAL OF EXISTING WORK</u></b>			
	<b><u>Breaking up and removing reinforced concrete including cutting off and removing reinforcement and making good</u></b>			
3	Concrete strip footing including backfilling	m3	1	
4	Concrete stairs and tiling thereto	m3	6	
5	150mm Thick surface beds	m2	55	
6	Tarmac	m2	200	
7	Tarmac for sewer piping and make good with new tarmac after installation of piping	m	55	
	<b><u>Breaking down and removing brickwork etc</u></b>			
8	Half brick wall	m2	31	
9	One brick wall	m2	7	
	<b>Carried to Collection</b>			R
	Section No. 2 SBIMB PHASE 2 BIOBANK Bill No. 1 ALTERATIONS WITS PPWFL01_T01 - SBIMB PHASE 2 BIOBANK EXTENSION			

**Taking out/off and removing sundry metalwork**

10

Steel balustrades 1000mm high from concrete stairs

m

6

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Bill No. 1

ALTERATIONS

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SBIMB PHASE 2 BIOBANK

Bill No. 1

ALTERATIONS

WITS PPWFL01\_T01 - SBIMB PHASE 2 BIOBANK EXTENSION

Item No		Quantity	Rate	Amount
	<b><u>BILL No. 2</u></b>			
	<b><u>EARTHWORKS (PROVISIONAL)</u></b>			
	<b><u>SITE CLEARANCE</u></b>			
	<u>Site clearance</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc and trees not exceeding 200mm girth	m2	144	
	<b><u>REMOVAL OF TREES ETC</u></b>			
	<u>Taking out and removing, grubbing up roots, filling in holes and compacting to 95% Mod AASHTO density</u>			
2	Tree stump not exceeding 1,5m high, exceeding 3000mm and not exceeding 3500mm girth	No	1	
	<b><u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u></b>			
	<b><u>Excavation in compacted earth not exceeding 2m deep</u></b>			
3	Reduce levels under floor	m3	25	
4	Trenches	m3	92	
	<b><u>Extra over all excavations for carting away</u></b>			
5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	117	
	<b><u>Risk of collapse of excavations</u></b>			
6	Sides of trench and hole excavations not exceeding 1,5m deep	m2	252	
	<b><u>EARTH FILLING, ETC.</u></b>			
	<b><u>Earth filling (G7) supplied by the contractor compacted to 93% Mod AASHTO density</u></b>			
7	Under floors, pavings, etc.	m3	109	
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8	Backfilling to trenches, holes, etc.	m3	37
	<b><u>Earth filling (G7) minimum CBR&gt;15 supplied by the contractor compacted to 93% Mod AASHTO density at OMC +/- 2%</u></b>		
9	Under floors, pavings, etc. (external)	m3	17
	<b><u>Coarse river sand filling supplied by the contractor</u></b>		
10	Under floors etc (provisional)	m3	7
	<b><u>Surface Preparation:</u></b>		
11	Trim and level off surface of natural ground and/or excavated surfaces to receive concrete surface beds, including ripping and scarifying as necessary and compacting the whole area for a depth of 150mm to a density of at least 97% Mod. AASHTO maximum density.	m2	133
12	Trim and level off surface of natural ground and/or excavated surfaces to receive block paving, including ripping and scarifying as necessary and compacting the whole area for a depth of 150mm to a density of at least 90% Mod. AASHTO maximum density.	m2	113
	<b><u>Compaction of surfaces</u></b>		
13	Compaction of ground surface under trenches, etc., by wetting and compacting with a vibratory roller to a density of at least 93% Mod. AASHTO maximum density (provisional)	m2	59
	<b><u>KEEPING EXCAVATIONS FREE OF WATER</u></b>		
	<b><u>Keeping excavations free of water:</u></b>		
14	Keeping excavations free of all water other than subterranean water.		Item
	<b><u>TESTS</u></b>		
	<b><u>Prescribed density tests on filling:</u></b>		
15	Modified AASHTO Density test.	No	5
	<b><u>SOIL POISONING</u></b>		
	<b>Carried to Collection</b>		
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**Approved brand of anti-termite soil poison applied by a Registered Pest Control company and guaranteed against termite infestation for ten years:**

16	Under floors, etc., including forming and poisoning shallow furrows against foundation walls, etc., filling in furrows and ramming.	m2	133
17	To bottoms of trenches, etc.	m2	59

**WEED KILLERS**

**Approved weedkiller**

18	Under paving etc	m2	113
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Bill No. 2

EARTHWORKS

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Bill No. 2

EARTHWORKS

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Item No	<b><u>BILL No. 3</u></b>	Quantity	Rate	Amount
	<b><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></b>			
	The Tenderer is advised to refer to the Model Trade Preambles and Arup Specification before pricing this Bill			
	The Tenderer is to allow in the rates of formwork for chamfers to all exposed concrete edges			
	The Tenderer shall also allow in his rates for all construction joints to surface beds, slabs, etc.			
	<b><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>			
	<b><u>10Mpa/19mm Concrete</u></b>			
1	Surface blinding under footings and bases (provisional).	m3	3	
	<b><u>REINFORCED CONCRETE</u></b>			
	<b><u>25MPa/19mm Concrete:</u></b>			
2	Strip footings	m3	18	
3	Padstones	m3	2	
4	Surface beds cast in panels on waterproofing.	m3	23	
5	Steps.	m3	1	
6	Stairs including landings, beams and inverted beams	m3	5	
	<b><u>TEST BLOCKS</u></b>			
	<b><u>Test blocks:</u></b>			
7	Making and testing set of three 150mm x 150mm x 150mm concrete strength test cubes (provisional).	Sets	7	
	<b><u>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</u></b>			
	<b>Carried to Collection</b>			
	Section No. 2 SBIMB PHASE 2 BIOBANK Bill No. 3 CONCRETE, FORMWORK AND REINFORCEMENT WITS PPWFL01_T01 - SBIMB PHASE 2 BIOBANK EXTENSION			

**Smooth formwork to sides:**

8	Padstones.	m2	12
9	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	130
10	Sloping and stepped outer edges of stairs 404mm high extreme	m	14

**Smooth formwork to soffits:**

11	Projecting slabs/surface beds	m2	17
12	Landings	m2	7
13	Stairs with sloping soffits	m2	8

**MOVEMENT JOINTS ETC**

**Three layers of 375 micron dampproof course in slip joints between horizontal concrete and brick surfaces including cement mortar bed**

14	Not exceeding 300mm wide	m	102
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**Expansion joints with Jointex closed cell expanded polyethylene filler between vertical concrete and brick surfaces:**

15	10mm Joints not exceeding 300mm high.	m	184
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**Saw cut joints**

16	3mm x 30mm Saw-cut joints in top of concrete	m	21
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**REINFORCEMENT**

**Mild steel reinforcement to structural concrete work (provisional):**

17	All diameter bars.	t	0.36
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**High tensile steel reinforcement to structural concrete work (provisional):**

18	All diameter bars.	t	3.27
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**Fabric reinforcement:**

19 Type 193 fabric reinforcement in concrete surface beds, slabs, etc.

m2

49

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CONCRETE, FORMWORK AND REINFORCEMENT

WITS PPWFL01\_T01 - SBIMB PHASE 2 BIOBANK EXTENSION

Item No	<b><u>BILL No.4</u></b>	Quantity	Rate	Amount
	<b><u>PRECAST CONCRETE</u></b>			
	The Tenderer is advised to refer to the Model Trade Preambles before pricing this Bill			
	<b><u>Precast concrete finished smooth on exposed surfaces including steel reinforcing, bedding, jointing and pointing</u></b>			
1	Modcon Concrete Solutions Type 002a coping size overall 270mm x 65mm high with drip groove	m	34	
2	Modcon Concrete Solutions Type 002a raking coping size overall 270mm x 65mm high with drip groove	m	3	
3	Modcon Concrete Solutions Type 002a coping size overall 270mm x 65mm high with drip groove (sills)	m	27	
4	Shaped and splayed infill panel size overall 220mm x 220mm high (1st floor section B-B per Architect's dwg LPA1704-WD200 Revision B)	m	5	
	<b><u>PRECAST CONCRETE SLABS ETC</u></b>			
	<u>Design, supply and installation of precast concrete finished smooth from the mould including bedding, jointing and pointing</u>			
5	170mm Thick hollow core slab including bedding edges all round, reinforcement, propping, notchings, etc. (1st floor)	m2	79	
6	170mm Thick hollow core slab including bedding edges all round, reinforcement, propping, notchings, etc. (roof over bay window)	m2	2	
7	60mm Thick screed topping finished smooth	m2	81	
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Item No		Quantity	Rate	Amount
	<b><u>BILL No. 5</u></b>			
	<b><u>MASONRY</u></b>			
	The Tenderer is advised to refer to the Model Trade Preambles before pricing this Bill			
	<b><u>BRICKWORK IN FOUNDATIONS</u></b>			
	<b><u>Brickwork of solid hard burnt clay bricks (17 MPa nominal compressive strength) in Class I mortar:</u></b>			
1	One brick walls	m2	73	
2	One and a half brick walls	m2	18	
	<b><u>Brickwork reinforcement:</u></b>			
3	75mm Wide reinforcement built in horizontally.	m	53	
4	150mm Wide reinforcement built in horizontally.	m	268	
	<b><u>BRICKWORK IN SUPERSTRUCTURE</u></b>			
	<b><u>Brickwork of solid hard burnt bricks (17 MPa minimum compressive strength) in class II mortar:</u></b>			
5	Piers	m3	1	
6	Half brick walls (internal).	m2	21	
7	One brick walls (external).	m2	313	
8	One brick walls (internal).	m2	20	
	<b><u>BRICKWORK SUNDRIES</u></b>			
9	Cut and fit one brick wall over treads and risers	m	23	
10	Form 50mm diameter weep hole in 230mm brick wall	No	10	
11	Form 50mm diameter weep hole in 330mm brick wall	No	19	
	<b>Carried to Collection</b>			R
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**Brickwork reinforcement:**

12	75mm Wide reinforcement built in horizontally.	m	62
13	150mm Wide reinforcement built in horizontally.	m	979

**Prestressed fabricated lintels:**

14	115mm x 75mm Lintels in lengths not exceeding 3m	m	126
15	115mm x 75mm Lintels in lengths exceeding 3m and not exceeding 4,5m	m	7
16	115mm x 75mm Lintels in lengths exceeding 4,5m and not exceeding 6m	m	23

**Galvanised wire ties etc**

17	30mm x 1.6mm Roof tie 2m girth bent double, with one end built into brickwork or welded to steel beam and other end fixed to timber	No	34
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**PAVING ETC**

**Paving of 200mm x 100mm x 60mm thick Bosun precast concrete Shale interlocking paving blocks with bevelled edges and butt joints on 25mm thick river sand bed with sand-and-cement mixture swept into joints and hosed down, including preparation of ground or filling**

18	Paving in herringbone pattern to falls, including all cutting except circular cutting	m2	113
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MASONRY

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Bill No. 5

MASONRY

WITS PPWFL01\_T01 - SBIMB PHASE 2 BIOBANK EXTENSION

Item No	<b><u>BILL No. 6</u></b>	Quantity	Rate	Amount
	<b><u>WATERPROOFING</u></b>			
	The Tenderer is advised to refer to the Model Trade Preambles before pricing this Bill			
	<b><u>DAMPPROOFING OF WALLS AND FLOORS</u></b>			
	<b><u>One layer of 375 micron Consol Plastics Brikgrip DPC 3 embossed damp proof course:</u></b>			
1	In walls.	m2	39	
	<b><u>One layer of 250 micron Consol Plastics Gunplas USB Green 3 waterproof sheeting sealed at laps with Gunplas Pressure Sensitive Tape with holes for bleeding water to escape:</u></b>			
2	Under surface beds, etc.	m2	148	
	<b><u>WATERPROOFING TO FLAT SCREEDED ROOFS, ETC.</u></b>			
	<b><u>One layer Derbigum SP3 and one layer Derbigum SP4 waterproofing membrane including priming and sealed by means of 'torchfusion' with 75mm side laps and 100mm end laps, laid under a ten-year unconditional guarantee:</u></b>			
3	On flat roofs.	m2	2	
4	On vertical upstand, etc., not exceeding 300mm high.	m2	2	
5	Sealing edges to brickwork or concrete including groove.	m	6	
6	Additional membrane 300mm girth at internal and external angles.	m	6	
7	Flashing strip 150mm girth at turn-ups.	m	6	
	<b><u>JOINT SEALANTS ETC</u></b>			
	<b><u>Polyurethane sealing compound including backing cord, bond breaker, primer, etc</u></b>			
8	3mm x 30mm In saw cut joints in floors	m	21	
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9 10mm x 10mm In expansion joints in floors including raking out expansion joint filler as necessary

m

184

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WATERPROOFING  
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WATERPROOFING

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SBIMB PHASE 2 BIOBANK

Bill No. 6

WATERPROOFING

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Item No	<b><u>BILL No. 7</u></b>	Quantity	Rate	Amount
	<b><u>ROOF COVERINGS</u></b>			
	The Tenderer is advised to refer to the Model Trade Preambles before pricing this Bill			
	<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>			
	The Contractor is to submit a certificate signed by the merchant, stating that the galvanised roof covering supplied complies with the required thickness specified.			
	The Contractor is to submit a five (5) year warranty applicable to site workmanship and water tightness.			
	Descriptions shall be deemed to include for forming drips and closed ends to troughs			
	<b><u>0,6mm Chromadek finished Z200 corrugated sheet steel in single lengths fixed to timber/steel purlins and sheet steel accessories</u></b>			
1	Roof covering with pitch exceeding 25 degrees	m2	98	
2	Cover flashing including sealant	m	30	
3	Head wall flashing 375mm girth twice bent	m	13	
4	Side wall flashing 408mm girth twice bent	m	17	
5	Gable flashing 700mm girth thrice bent and 25mm x 35mm poly-strip	m	1	
6	Eaves closer to suit profile of sheeting	m	13	
7	Profiled polyclosers	m	25	
	<b><u>ROOF AND WALL INSULATION</u></b>			
	<b><u>D10 double sided reflective foil insulation (minimum r-value of 3.7)</u></b>			
8	Insulation securely fixed over purlins	m2	80	
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Item No		Quantity	Rate	Amount
	<b><u>BILL No. 8</u></b>			
	<b><u>CARPENTRY AND JOINERY</u></b>			
	The Tenderer is advised to refer to the Model Trade Preambles before pricing this Bill			
	<b><u>STRUCTURAL TIMBERWORK ETC</u></b>			
	<u>Sawn softwood grade 5</u>			
1	38mm x 114mm Wall plates	m	25	
2	50mm x 76mm Purlins bolted	m	74	
	<u>Wrought softwood grade 5</u>			
3	50mm x 76mm Purlins bolted	m	13	
4	76mm x 228mm Rafters in lengths exceeding 6,6m	m	116	
	<u>Sundries</u>			
5	Wrought faces on sawn timbers	m2	1	
6	Two coats creosote on sawn timbers	m2	9	
7	700mm Long wrought and shaped end to 76mm x 228mm wrought timber	No	17	
8	Hurricane fastener including bolts with nuts and washers	No	119	
	<u>Medium density plain fibre-cement fascias and barge boards</u>			
9	12mm x 250mm Fascias and barge boards, including galvanised steel H-profile jointing strips	m	13	
	<b><u>SKIRTINGS</u></b>			
	<b><u>Wrought meranti sanded smooth</u></b>			
10	20mm x 100mm Skirting plugged	m	73	
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**DOORS ETC**

**Semi-solid core flush doors with 3,2mm standard hardboard covering on both sides and hardwood edge strips hung to steel frames**

11	44mm Door 813mm x 2032mm high (D03)	No	1
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**Exterior type solid core flush doors with suitable covering on both sides and hardwood edge strips hung to steel frames**

12	44mm Door 813mm x 2032mm high with and including weather bar and drip (D07)	No	1
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CARPENTRY AND JOINERY

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SBIMB PHASE 2 BIOBANK

Bill No. 8

CARPENTRY AND JOINERY

WITS PPWFL01\_T01 - SBIMB PHASE 2 BIOBANK EXTENSION

Item No	<b><u>BILL No. 9</u></b>	Quantity	Rate	Amount
	<b><u>CEILING PARTITIONS AND ACCESS FLOORING</u></b>			
	The Tenderer is advised to refer to the Model Trade Preambles before pricing this Bill			
	<b><u>INSULATION</u></b>			
	<b><u>30mm Thick Isoboard high density rigid polystyrene 32-36kg/m3 100% closed cell insulation 600mm width, tack fixed with recommended ISOglue adhesive at 200mm intervals to softwood rafters (elsewhere) transversely and edge fixed with concealed ceiling clips screwed/pop riveted, boards secured to and including perimeter softwood brandering with drywall screws and washers at 300mm centres (r-value 1.25)</u></b>			
1	Insulation as ceiling (1st floor)	m2	76	
	<b><u>NAILED-UP CEILINGS</u></b>			
	<b><u>SUSPENDED CEILINGS</u></b>			
	<b><u>Gyproc Gyprex Eco-Tex Ripple White or Fissured vinyl clad aluminium foil backed plasterboard lay-in grid ceiling system with 600mm x 600mm x 12mm tiles on pre-painted exposed tee suspension system including main and cross tees, necessary hangers, grids, etc</u></b>			
2	Ceilings suspended not exceeding 1m below concrete soffits (PCR rooms)	m2	63	
	<b><u>Cornices, etc., to suspended ceilings</u></b>			
3	Shadowline SM25 pre-painted wall angle cornices plugged including 10mm timber battens	m	107	
	<b><u>PARTITIONS ETC</u></b>			
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**"Rhino-Drywall" partition systems**

"Rhino-Drywall" partitioning shall comprise steel studding formed of 63,5mm top and bottom tracks with vertical studs at maximum 600mm centres, 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 and full skim coat coats on both sides, 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

Note: Wall paper and/or paint and varnish finishes and skirtings are measured elsewhere

**"GypRoc Standard" half-hour fire rated partitioning with 12,5mm "Rhino Wallboard" on both sides**

4	Partitioning 2,635m high with bottom track plugged and top track fixed to suspended ceiling with aluminium wall channel as cornice	m	16
5	Extra over partition 2,634m high for vertical abutment	No	4
6	Extra over partition 2,634m high for T-intersection	No	2

**Doors and frames (refer Architect's drawing LPD-1704-WD1110 Revision A)**

7	Extra over for powder coated aluminium single door unit type D04 size 1002mm x 2083mm high and frame glazed with and including 6mm laminated safety glass and one and a half pair butt hinges (ironmongery elsewhere)	No	2
8	Extra over for powder coated aluminium double unequal leaf door unit type D04 but size 1400mm x 2083mm high and frame glazed with and including 6mm laminated safety glass and one and a half pair butt hinges to each leaf (ironmongery elsewhere)	No	1

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 CEILINGS PARTITIONS AND ACCESS FLOORING  
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**Windows (refer Architect's drawing LPD-1704-WD110  
Revision A)**

9 Extra over partition for powder coated aluminium window type W07 size 1300mm x 1105mm high glazed with and including 4mm toughened safety glass including powder coated aluminium framing including additional studding, trimming, etc.

No 2

**Skirtings**

10 76mm High x 1,6mm nominal thickness natural anodised aluminium skirtings screwed at not exceeding 400mm centres to drywall or glazed partition, including all cutting, drilling holes, short lengths, angles, ends, etc.

m 32

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Bill No. 9  
CEILINGS PARTITIONS AND ACCESS FLOORING  
WITS PPWFL01\_T01 - SBIMB PHASE 2 BIOBANK EXTENSION

Section No. 2

Bill No. 9

CEILINGS PARTITIONS AND ACCESS FLOORING

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Bill No. 9

CEILINGS PARTITIONS AND ACCESS FLOORING

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Item No	<b><u>BILL No.10</u></b>	Quantity	Rate	Amount
	<b><u>FLOOR COVERINGS, PLASTIC LININGS, ETC</u></b>			
	The Tenderer is advised to refer to the Model Trade Preambles before pricing this Bill			
	<b><u>FLOOR COVERINGS</u></b>			
	<b><u>2m x 2m Surestep R10 multi-layered homogenous vinyl floor sheeting with PUR Pearl surface treatment, manufactured in accordance with EN 649 with welded joints and fixed with FloorworX No.62 acrylic adhesive under a 5 year warranty</u></b>			
1	On floors to PCR rooms (screed elsewhere)	m2	63	
2	On 100mm high 35mm radius continuous with floor finish coved skirting to PCR rooms	m	33	
3	Floorworx self-levelling screed	m2	63	
	<b><u>500mm x 500mm Van Dyck Powerpoint Earth 100% PFX satin shield staple fibre carpet tiles and fixed with an approved adhesive</u></b>			
4	On floors (screed elsewhere)	m2	64	
	<b><u>SKIRTINGS, NOSINGS, ETC</u></b>			
5	Kirk Marketing Code ASE100 10mm high aluminium straight tile edge trim.	m	8	
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	Section No. 2 SBIMB PHASE 2 BIOBANK Bill No. 10 FLOOR COVERINGS, PLASTIC LININGS, ETC. WITS PPWFL01_T01 - SBIMB PHASE 2 BIOBANK EXTENSION			

Item No	<b><u>BILL No. 11</u></b>	Quantity	Rate	Amount
	<b><u>IRONMONGERY</u></b>			
	The Tenderer is advised to refer to the Model Trade Preambles before pricing this Bill			
	<b><u>TAKE DELIVERY, STORE AND FIX THE FOLLOWING IRONMONGERY SUPPLIED BY OTHERS</u></b>			
1	Knob cylinder lockset	No	7	
2	Knob cylinder lockset rebated	No	2	
3	Sliding door cylinder lockset	No	1	
4	Fire exit lockset	No	1	
5	Door closer	No	1	
6	Door stop	No	11	
7	Hat and coat hook	No	1	
8	Push plate	No	1	
9	Kick plate	No	2	
10	Lever flush bolt	No	2	
11	Lever flush bolt with keep set into floor	No	2	
	<b><u>TAKE DELIVERY, STORE AND FIX THE FOLLOWING HYGIENE EQUIPMENT SUPPLIED BY OTHERS</u></b>			
12	Toilet roll dispenser, plugged	No	1	
13	Soap dispenser, plugged	No	3	
14	Towel rail/hook	No	3	
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	Section No. 2 SBIMB PHASE 2 BIOBANK Bill No. 11 IRONMONGERY WITS PPWFL01_T01 - SBIMB PHASE 2 BIOBANK EXTENSION			

Item No		Quantity	Rate	Amount
	<p><b><u>BILL No. 12</u></b></p> <p><b><u>STRUCTURAL STEELWORK</u></b></p> <p>The Tenderer is advised to refer to the Model Trade Preambles and Calibre Civil and Structural Engineering Project Specification No.0986-DRG-STR-D-099 Revision B before pricing this Bill</p> <p>All structural steelwork is to be grade 350W or S355J. Welds are to be minimum 6mm continuous fillet weld unless otherwise shown and bolts are grade 4.6 unless otherwise shown</p> <p>Contractor is to submit detailed shop drawings to the Engineer prior to fabrication</p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p><b><u>ROOFING AND FACADES</u></b></p> <p><b><u>GRADE 350W OR S355J MILD STEEL BLAST CLEANED, CLEAN, PRIME BEFORE DELIVERY TO SITE, COMPLETE WITH ALL NECESSARY CLEATS, BRACKETS, GUSSETS, PACKS, BOLTS, ETC., INCLUDING ALL CUTTING, DRILLING AND WELDING WITH ALL WELDS GROUND SMOOTH WITHOUT BLEMISHES, SUPPLIED, FABRICATED, DELIVERED TO SITE AND HOISTED AND ERECTED INTO POSITION COMPLETE (REFER STRUCTURAL ENGINEER'S DRAWINGS 0986-DRG-STR-D-002 REVISION D, 0986-DRG-STR-D-003 REVISION C AND 0986-DRG-STR-D-005 REVISION C)</u></b></p> <p><b><u>Supply and fabrication</u></b></p>			
1	Preparation of shop drawing details	t	2.89	
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	<p>Section No. 2            SBIMB PHASE 2 BIOBANK            Bill No. 12            STRUCTURAL STEELWORK            WITS PPWFL01_T01 - SBIMB PHASE 2 BIOBANK EXTENSION</p>			

**Supply and fabrication of steelwork complete**

2	H-section in beams, plates, etc.	t	2.21
3	Square hollow section in columns, beams, plates, etc.	t	0.60
4	Cold rolled lipped channel section in purlins, etc.	t	0.08

**Delivery to site**

5	Delivery of steelwork	t	2.89
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**Erection on site**

6	Erection of steelwork	t	2.89
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**Erection bolts and clips**

7	Casting only 254mm x 146mm I-section beam into concrete edge with and including lugs 30mm x 2.5mm thick x 300mm long (beam and lugs elsewhere)	m	39
8	M12 Hilti HSA anchor bolt fixed to concrete, etc., minimum 125mm deep	No	20
9	200mm x 200mm x 6mm Base plate with and including two lugs each 30mm x 1.6mm thick x 300mm long and built into brickwork	No	4

**Corrosion protection of structural steelwork (refer to drawings)**

Surface preparation and repairs at place of fabrication

10	General steelwork	t	2.89
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**Surface preparation and coating application**

**Wire brush and apply primer as specified**

In the shop

11	General steelwork	t	2.89
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**Touch up and apply one coat undercoat and one finishing coat of paint as specified**

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**On site**

12 General steelwork

t

2.89

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Bill No. 12

STRUCTURAL STEELWORK

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Bill No. 12

STRUCTURAL STEELWORK

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Item No	<b><u>BILL No. 13</u></b>	Quantity	Rate	Amount
	<b><u>METALWORK</u></b>			
	The Tenderer is advised to refer to the Model Trade Preambles before pricing this Bill			
	All non-galvanised metalwork shall be primed with factory applied red oxide primer			
	<b><u>PRESSED STEEL DOOR FRAMES</u></b>			
	<b><u>1,2mm Double rebated frames suitable for half brick walls</u></b>			
1	Frame for door 813mm x 2032mm high (D03)	No	1	
	<b><u>1,2mm Double rebated frames suitable for one brick walls</u></b>			
2	Frame for door 813mm x 2032mm high (D07)	No	1	
	<b><u>ALUMINIUM SHOPFRONTS, WINDOWS, DOORS, ETC</u></b>			
	<b><u>Design, supply and deliver to site powder coated aluminium windows and doors including framing, transomes, mullions, grounds, beads, neoprene gaskets, glass, sealing of glass, ironmongery, templates, etc., set up and fix in position, seal around frames on both sides with silicone sealant, protect from damage and clean off at completion, including a minimum 5 year warranty to be provided by the safety glass manufacturer against delamination and/or colour degradation (refer Architect's drawings LPD-1704-WD110 Revision A and WD111 Revision A):</u></b>			
	<u>The Tenderer shall include in his rates for the submission of shop drawings to the Architect for approval, before commencing with the manufacturing:</u>			
3	Window type W01 size 450mm x 2100mm high glazed with and including 4mm toughened safety glass	No	14	
4	Window type W02 size 5111mm x 300mm high glazed with and including 3mm clear glass	No	1	
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5	Window type W03 size 3115mm x 300mm high glazed with and including 3mm clear glass	No	1	
6	Window type W03 size 5221mm x 300mm high glazed with and including 3mm clear glass	No	1	
7	Window type W04 size 1200mm x 300mm high glazed with and including 3mm clear glass	No	1	
8	Window type W04 size 1570mm x 300mm high glazed with and including 3mm clear glass	No	1	
9	Window type W05 size 450mm x 600mm high glazed with and including 3mm clear glass	No	2	
10	Single door and sidelight unit type D01 size overall 1300mm x 2157mm high and frame glazed with and including 6mm laminated safety glass and one and a half pair butt hinges (ironmongery elsewhere)	No	1	
11	Single door unit type D02 size 1202mm x 2083mm high and frame glazed with and including 6mm laminated safety glass and one and a half pair butt hinges (ironmongery elsewhere)	No	1	
12	Single door unit type D05 size 1202mm x 2083mm high and frame glazed with and including 6mm laminated safety glass and one and a half pair butt hinges (ironmongery elsewhere)	No	1	
13	Double door and toplight unit type D08 size 1452mm x 2550mm high and frame glazed with and including 6mm laminated safety glass and one and a half pair butt hinges to each leaf (ironmongery elsewhere)	No	1	
14	Sliding door and sidelight unit type D09 size overall 2101mm x 2125mm high and frame glazed with and including 6mm laminated safety glass (ironmongery elsewhere)	No	1	
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Bill No. 13

METALWORK

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Bill No. 13

METALWORK

WITS PPWFL01\_T01 - SBIMB PHASE 2 BIOBANK EXTENSION

Item No		Quantity	Rate	Amount
	<b><u>BILL No. 14</u></b>			
	<b><u>PLASTERING</u></b>			
	The Tenderer is advised to refer to the Model Trade Preambles before pricing this Bill			
	The Tenderer is to allow in the rates of plastering for half V-joints, etc., between concrete and brickwork, etc.			
	<b><u>SCREEDS</u></b>			
	<b><u>Screeds on concrete:</u></b>			
1	45mm Thick steel trowelled screed on floors and landings as floor finish (link)	m2	26	
2	45mm Thick reeded non-slip screed on ramp as floor finish (ramp)	m2	18	
3	45mm Thick steel trowelled screed on floors and landings as floor finish (entrance lobby and storeroom)	m2	15	
4	45mm Thick steel trowelled screed on floors and landings as floor finish (stairs)	m2	8	
5	30mm Thick on floors and landings to receive vinyl floor sheeting (elsewhere).	m2	63	
6	30mm Thick on floors and landings to receive carpet floor tiles (elsewhere).	m2	64	
7	30mm Thick on floors and landings to receive porcelain floor tiles (elsewhere).	m2	3	
8	45mm Thick reeded non-slip screed on treads and risers as floor finish.	m2	21	
9	Average 45mm thick steel trowelled screed on floors and landing to falls as floor finish (1st floor north external recess and south entrance)	m2	5	
10	Average 60mm thick on floors to falls and currents to receive waterproofing (elsewhere).	m2	2	
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11	15mm Thick on roof upstand beams, etc., to receive waterproofing (elsewhere).	m2	2
12	35mm Radius coved fillet to receive skirting (elsewhere)	m	33
13	50mm x 50mm Triangular fillet at perimeter of roof screed to receive turn-up of waterproofing.	m	6
<b><u>INTERNAL PLASTER</u></b>			
<b><u>Two coat plaster with gypsum finish on brickwork</u></b>			
14	On walls	m2	322
15	On narrow widths	m2	30
<b><u>EXTERNAL PLASTER</u></b>			
<b><u>Cement plaster steel trowelled on brickwork:</u></b>			
16	On walls	m2	340
17	On narrow widths	m2	32
<b><u>Bag plaster on brickwork</u></b>			
18	On walls	m2	18
19	On walls in foundations	m2	106
20	On narrow widths	m2	7

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Bill No. 14

PLASTERING

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Bill No. 14

PLASTERING

WITS PPWFL01\_T01 - SBIMB PHASE 2 BIOBANK EXTENSION

Item No	<b><u>BILL No. 15</u></b>	Quantity	Rate	Amount
	<p><b><u>TILING</u></b></p> <p>The Tenderer is advised to refer to the Model Trade Preambles before pricing this Bill</p> <p><b><u>FLOOR TILING</u></b></p> <p><b><u>300mm x 300mm Porcelain floor tiles (P.C. allowance of R120/m2 excluding VAT but including delivery to site), add for waste and laying, fixing with an approved adhesive to powerfloated floor (elsewhere) and jointing and pointing and sealed in Keracolour FF waterproof grout to:</u></b></p>			
1	On floors and landings (toilet).	m2	3	
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Item No	<b><u>BILL No. 16</u></b>	Quantity	Rate	Amount
	<b><u>PLUMBING AND DRAINAGE</u></b>			
	The Tenderer is advised to refer to the Model Trade Preambles and Works Information before pricing this Bill			
	<b><u>NOTES:</u></b>			
	The Tenderer shall allow in his rates for connecting soil/waste and water supply piping of sanitary fittings and geysers to branches situated at perimeter of the buildings.			
	<b><u>RAINWATER DISPOSAL</u></b>			
	<b><u>0,6mm Chromadek steel:</u></b>			
1	125mm x 125mm Box gutters, including brackets, two coats bituminous aluminium paint on internal sides, etc. (refer detail 02 dwg 500)	m	13	
2	Extra for stopped end.	No	2	
3	Extra for outlet for 80mm x 80mm pipe	No	2	
4	80mm x 80mm Rainwater pipes including brackets.	m	15	
5	Extra for eaves offset.	No	2	
6	Extra for shoe.	No	2	
	<b><u>SANITARY FITTINGS SUPPLIED AND FIXED IN POSITION COMPLETE.</u></b>			
	<b><u>Sanitary fittings, brackets, taps and waste outlets, silicone sealant, including assembling and fitting in position and connecting taps:</u></b>			
7	Franke Trendline 711 grade 304 18/10 polished stainless steel end bowl inset sink, size overall 800mm x 460mm with one single end bowl, fitted onto cupboard (elsewhere), including waste fittings and PVC trap	No	1	
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8	Vaal Sanitaryware Quartz/Tuscany white vitreous china 90 degrees outlet closed rim washdown pan Code 771363, matching 6 litre push button top dual flush cistern including lid, fitments, quality wooden seat Code 8515Z000	No	1	
9	Vaal Sanitaryware Amber Classic white vitreous china rectangular wall mounted basin size 510mm x 440mm Code 700303 bolted to wall with two bolts Code 8448Z0 and sealed with silicone sealant where basin meets wall, integrated overflow, chainstay hole and rubber plug and chain	No	1	
10	Emergency shower/eyewash Code 4285, wall mounted, ABS shower head/bowl, piping, brass fittings, push handle, etc.	No	1	
11	Molded polypropylene sink fixed complete	No	1	
<b><u>Valsir/Geberit HDPE or other approved piping and fittings:</u></b>				
Valsir/Geberit pipe or similar approved to duct and walls including brackets and support to manufacturer's specifications, note fixed point at expansion socket or 90 degree change in direction (20/25mm strut). All pipes laid in ground must be bedded on selected compacted filling at least 150mm thick. Soft excavation and intermediate excavations as defined in clause 3.1.2.B of SABS D have not been identified by way of separate measurement. The Contractor shall thus include within his 'Pickable Earth' excavation rates for excavation in all materials. HDPE pipes for above ground and underground use including couplers and support brackets in the running length. Contractor to include couplers and support brackets in the rate per metre				
12	40mm Diameter pipes fixed to walls, etc.	m	5	
13	Extra for 90 degree bend.	No	5	
14	Extra for 135 degree bend.	No	4	
15	Extra for tee piece bend.	No	2	
16	Extra for 90 degree bend with screw type access eye.	No	4	
17	Extra for 135 degree junction.	No	3	
18	Extra for screwed end cap.	No	1	
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19	Extra for MI adaptor.	No	2
20	Extra for FI adaptor.	No	2
21	Extra for electroweld coupling.	No	20
22	75mm Diameter pipes fixed to walls, etc.	m	5
23	Extra for 90 degree bend.	No	9
24	Extra for 135 degree bend.	No	2
25	Extra for 90 degree bend with screw type access eye.	No	2
26	Extra for tee piece bend.	No	4
27	Extra for 135 degree junction.	No	3
28	Extra for reducer.	No	4
29	Extra for electroweld coupling.	No	8
30	110mm Diameter pipes fixed to walls, etc.	m	8
31	110mm Diameter pipes laid in ground not exceeding 1m deep including excavation, Class B bedding material and backfilling.	m	55
32	Extra for 90 degree bend.	No	20
33	Extra for 135 degree bend.	No	14
34	Extra for 90 degree bend with screw type access eye.	No	8
35	Extra for 135 degree junction.	No	6
36	Extra for 110mm/40mm 135 degree junction	No	2
37	Extra for 110mm/75mm 135 degree junction	No	2
38	Extra for pan connector including pan seals.	No	1
39	Extra for reducer.	No	8
40	Extra for screw on type cleaning eye (complete stop).	No	4
41	Extra for electroweld coupling.	No	40

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42	Extra for expansion socket.	No	3
43	Extra for PVC one way vent valve.	No	2
	<u>Precast concrete circular inspection chambers, including benching, channels, 12mm softboard, etc. - refer Engineer's drawing ? Revision 0 (covers elsewhere)</u>		
44	1000mm Diameter precast concrete circular inspection chamber not exceeding 1m deep internally, including reinforced concrete bottom slab, benching, channels, brickwork, spacers, adaptor slabs, step irons, excavation, backfilling, carting away, dewatering,etc.	No	2
	<u>Cast iron covers etc</u>		
45	550mm Diameter x 176kg SANS558 type 2A heavy duty road manhole cover and frame	No	2
	<b><u>WASTE UNIONS ETC</u></b>		
46	Cobra 301 chromium plated basin waste (outlet in basin bowl) including Cobra 088-32 backnut including HDPE thread adaptor	No	2
47	Cobra 310 chromium plated sink waste union with 86mm flange and 93mm long shank slotted 1 1/2" BSP male outlet including Cobra 088-40 backnut including HDPE thread adaptor	No	1
48	Kessel Bathroom Giro in PP Code 45101.20 50mm diameter floor drain with removable odour trap, fixed lip seal, slotted cover 120mm x 120mm Class K3 (able to withstand loads up to maximum 300kg), cast into concrete	No	2
	<b><u>TRAPS ETC</u></b>		
49	Cobra 340 chromium plated bottle trap	No	2
50	40mm Flexi mini P trap connected to sink outlet	No	1
51	Gio Bella Code A1019-12 rectangular shower trap connected to outlet	No	1

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**TAPS, VALVES, ETC**

52	Cobra 832/350F 15mm angle ball type regulating valve with flexible hose connector	No	7
53	Cobra Watertech Star Code 166-041-10 chromium plated sink mixer with aerated swivel spout and concealed connections in accordance with SANS 226:2009 Type 1 (BS 5412)	No	1
54	Isca Crystal Collection Garda Lite Code 9102/2 chromium plated basin mixer and concealed connections in accordance with SANS 226:2009 Type 1 (BS 5412)	No	1
55	Isca Crystal Collection Garda Lite Code 9102/2 chromium plated sink mixer and concealed connections in accordance with SANS 226:2009 Type 1 (BS 5412)	No	1

**Projectline or other approved:**

56	50mm Strainer	No	1
57	50mm Brass gate valve	No	1
58	Cobra Watertech 15mm brass hose bibtap Code 108-15 with wingnut, lining, 20mm hose union and flow restrictor Code P-WS/6	No	1
59	22mm Brass air vent valves HW and CW high points	No	2

**Cobra chromium plated brass:**

60	15mm 1090 Lever ball valve	No	4
61	20mm 1090 Lever ball valve	No	2
62	25mm 1090 Lever ball valve	No	3

**Testing:**

63	Testing soil or waste pipe system		Item
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**Sundries:**

64	Excavate for not exceeding 2m deep and cut into existing 160mm uPVC pipe and blank off, including all necessary fittings, investigations, temporary sealing off, diverting, excavation, backfilling, making good on completion, etc.	No	1
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**WATER SUPPLIES**

**Class 12 high density polyethylene (HDPE) piping and fittings:**

65	32mm Diameter pipes laid in ground not exceeding 1m deep including excavation, bedding material and backfilling.	m	25
66	40mm Diameter pipes laid in ground not exceeding 1m deep including excavation, bedding material and backfilling.	m	10
67	50mm Diameter pipes laid in ground not exceeding 1m deep including excavation, bedding material and backfilling.	m	15

**Class 0 copper pipes with and including fittings:**

68	15mm Pipes fixed to walls, etc.	m	10
69	Extra over for 15mm fittings	No	56
70	22mm Pipes fixed to walls, etc.	m	15
71	Extra over for 22mm fittings	No	60
72	28mm Pipes fixed to walls, etc.	m	12
73	Extra over for 28mm fittings	No	42

**Testing:**

74	Flush systems and sterilize tanks and systems and testing		Item
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**FIRE APPLIANCES ETC**

All supplied equipment to be SABS Mark approved and the Contractor to provide SABS certificates from the manufacturers. BS or EU certificates may be accepted for imported equipment

Fire extinguishers, fire hose reels and fire hydrants will be installed according to the requirements of the current SANS 10400-T: 3rd Edition of 2011 as mitigation measures in accordance with the risk associated with such a project with building classification A3 - Place of Instruction in accordance with SANS 10400-A: 2010.

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Contractor must study the DID, GP SQS specifications, project specification, SANS standards and the site carefully before submitting tenders. Contractors will be expected to submit SABS Mark samples and SABS certificates before purchasing all materials

All fire hydrants shall comply with the requirements of SANS 1128-1

All fire hose reels shall comply with the requirements of SANS 543 and shall be installed accordance with SANS 10105-1 and SANS 10400-W

75	4.5 DCP fire extinguisher including painted backboard and wall hanger, all to comply with SANS 1910	No	1
76	5kg CO2 fire extinguisher including painted backboard and wall hanger, all to comply with SANS 1910	No	1
77	Supply, install, test and commission SABS approved fire hose reel fitted with 30m length of 20mm hose mounted on wall bracket bolted to wall. The fire hose reel to be installed complete with 25mm chromium shut-off valve, 7mm diameter aluminium nozzle and hose guide.	No	1
<b><u>Sundries:</u></b>			
78	Valve box for gate valves complete to drawing number DSB 001, St Gobain grey iron meter box to SANS 558 No.2500 size 375mm x 300mm x 150mm on brick wall and concrete blinding layer	No	1
79	Excavate for not exceeding 1m deep and locate existing water line and connect new 50mm HDPE pipe, including all necessary fittings, investigations, temporary sealing off, diverting, excavation, backfilling, making good on completion, etc.	No	1
80	30mm Sensus or similar approved water meter	No	1

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Bill No. 16

PLUMBING AND DRAINAGE

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SBIMB PHASE 2 BIOBANK

Bill No. 16

PLUMBING AND DRAINAGE

WITS PPWFL01\_T01 - SBIMB PHASE 2 BIOBANK EXTENSION

Item No	<b><u>BILL No. 17</u></b>	Quantity	Rate	Amount
	<b><u>GLAZING</u></b>			
	The Tenderer is advised to refer to the Model Trade Preambles before pricing this Bill			
	<b><u>TOPS, SHELVES, DOORS, MIRRORS, ETC</u></b>			
	<b><u>High float glass mirrors with polished edges all round, mechanically fixed to wall</u></b>			
1	4mm Thick mirror 600mm x 800mm high with bevelled edges	No	1	
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Item No	<b><u>BILL No. 18</u></b>	Quantity	Rate	Amount
	<b><u>PAINTWORK</u></b>			
	The Tenderer is advised to refer to the Model Trade Preambles before pricing this Bill			
	<b><u>NOTES:</u></b>			
	The Tenderer is advised that only Plascon Paints and Plascon registered applicators will be accepted, unless otherwise stated and rates should take this factor into account.			
	The Tenderer is to allow in his rates for the protection of all floor finishes, etc., by use of drop sheets, masking tape, screens, etc.			
	<b><u>ON FLOATED PLASTER</u></b>			
	<b><u>Prepare surfaces and remove all loose material, apply one coat plaster primer and two coats 'Plascon Polvin Super Acrylic PVA' paint:</u></b>			
1	On interior walls.	m2	247	
2	On exterior walls	m2	372	
3	On exterior bagged walls	m2	131	
	<b><u>Prepare surfaces and remove all loose material, apply one coat plaster primer and two coats 'Plascon Double Velvet' or 'Plascon Velvagio Water Based' paint:</u></b>			
4	On interior walls.	m2	105	
	<b><u>ON SMOOTH CONCRETE SURFACES</u></b>			
	<b><u>Prepare surfaces and remove all loose material, apply one coat plaster primer and two coats 'Plascon Polvin Super Acrylic PVA' paint:</u></b>			
5	On interior ceilings and beams	m2	15	
6	On exterior ceilings infill panel	m2	1	
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**ON FIBRE-CEMENT BOARD SURFACES**

**Prepare surfaces and remove all loose material, apply one coat plaster primer, one coat 'Plascon Merit Universal Undercoat' and two coats 'Plascon Velvagio Polyurethane Enamel' paint:**

7 On fascias and bargeboards m2 7

**ON PLASTER BOARD**

**Prepare surfaces and remove all loose material, apply one coat plaster primer and two coats 'Plascon Polvin Super Acrylic PVA' paint:**

8 On internal ceilings, bulkheads and cornices m2 3

9 On internal Isoboard ceilings, bulkheads and cornices m2 76

**Prepare surfaces and remove all loose material, apply one coat plaster primer and two coats 'Plascon Velvagio Water Based' paint:**

10 On partitions m2 83

**ON METAL**

**Spot priming defects in pre-primed surfaces with 'Plascon Namelcote Synthetic Metal' and apply one coat 'Plascon Merit Universal Undercoat' and two coats 'Plascon Super Universal Enamel' paint on steel:**

11 On door frames m2 4

12 On balustrading, etc. (both sides measured on flat). m2 40

13 On rails, bars, pipes, etc not exceeding 300 mm girth m 21

**ON WOOD, WOOD BOARD**

**Stop, fill, sand down and prepare wood surfaces and apply one coat 'Plascon Water Based Primer', one coat 'Plascon Merit Universal Undercoat' and two coats 'Plascon Velvagio Polyurethane Enamel' paint:**

14 On doors. m2 4

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15	On roof timbers at eaves and verges	m2	71
	<b><u>Stop, fill, sand down and prepare wood surfaces and apply three coats varnish:</u></b>		
16	On doors.	m2	4
17	On skirtings, rails, etc., not exceeding 300mm girth.	m	73

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Bill No. 18

PAINTWORK

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Bill No. 18

PAINTWORK

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Item No	<b><u>BILL No. 19</u></b>	Quantity	Rate	Amount
	<b><u>PROVISIONAL AMOUNTS</u></b>			
	<b><u>NOTES:</u></b>			
	All Provisional Amounts, etc., are nett and do NOT include any discount to the Contractor, unless specifically stated to the contrary			
	Under no circumstances may any Provisional Amount, etc., be extended at an amount lower than the amount given in this Bill			
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	<b><u>PRIME COST AMOUNTS</u></b>			
	<b><u>Hygiene equipment:</u></b>			
1	Provide the amount of R3,000.00 (Three Thousand Rand) for hygiene equipment, supplied and delivered to site.	Item		3 000,00
2	Profit on above item.	Item		
	<b><u>Ironmongery:</u></b>			
3	Provide the amount of R30,000.00 (Thirty Thousand Rand) for ironmongery, supplied and delivered to site.	Item		30 000,00
4	Profit on above item.	Item		
	<b><u>PROVISIONAL AMOUNTS</u></b>			
	<b><u>Emergency lighting installation to fire escape doors:</u></b>			
5	Provide the amount of R3,400.00 (Three Thousand Four Hundred Rand) for emergency lighting installation to fire doors, etc., executed complete.	Item		3 400,00
6	Profit on above item.	Item		
7	Attendance on ditto.	Item		
	<b>Carried to Collection</b>		R	
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**HVAC installation:**

8 Provide the amount of R180,849.00 (One Hundred and Eighty Thousand Eight Hundred and Forty Nine Rand) for HVAC installation, executed complete.

Item 180 849,00

9 Profit on above item.

Item

10 Attendance on ditto.

Item

**Signage:**

11 Provide the amount of R3,000.00 (Three Thousand Rand) for signage, executed complete.

Item 3 000,00

12 Profit on above item.

Item

13 Attendance on ditto.

Item

**Fire signage:**

14 Provide the amount of R3,000.00 (Three Thousand Rand) for fire signage, executed complete.

Item 3 000,00

15 Profit on above item.

Item

16 Attendance on ditto.

Item

**Smoke detection installation:**

17 Provide the amount of R23,266.69 (Twenty Three Thousand Two Hundred and Sixty Six Rand and Sixty Nine Cents) for smoke detection installation, executed complete.

Item 23 266,69

18 Profit on above item.

Item

19 Attendance on ditto.

Item

**Balustrading and handrailing installation:**

20 Provide the amount of R64,000.00 (Sixty Four Thousand Rand) for balustrading and handrailing installation, executed complete.

Item 64 000,00

21 Profit on above item.

Item

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**Note:**

The items described hereunder cover work which is not fully defined at tender date and which is intended to be executed by the Contractor and/or his subcontractors. The amounts shown shall be used as directed by the Project Manager and shall be deducted in whole or in part if not required.

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**Additional general builder's work:**

35	Provide the amount of R10,000.00 (Ten Thousand Rand) (nett) for general builder's work in connection with services.	Item	10 000,00
36	Provide the amount of R66,000.00 (Sixty Six Thousand Rand) (nett) for additional alterations.	Item	66 000,00
37	Provide the amount of R75,000.00 (Seventy Five Thousand Rand) (nett) for 10 000 litre water tank for reserve water storage, unit complete with booster pumpset skid mounted, all works installed on concrete plinth.	Item	75 000,00

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PROVISIONAL AMOUNTS

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4	PRECAST CONCRETE	15	
5	MASONRY	18	
6	WATERPROOFING	21	
7	ROOF COVERINGS	22	
8	CARPENTRY AND JOINERY	25	
9	CEILINGS PARTITIONS AND ACCESS FLOORING	29	
10	FLOOR COVERINGS, PLASTIC LININGS, ETC.	30	
11	IRONMONGERY	31	
12	STRUCTURAL STEELWORK	35	
13	METALWORK	38	
14	PLASTERING	41	
15	TILING	42	
16	PLUMBING AND DRAINAGE	50	
17	GLAZING	51	
18	PAINTWORK	55	
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	Sub-Total		R
	Electrical installation per attached Part B	Item	
	Profit on above item (electrical installation only).	Item	
	Attendance on ditto (electrical installation only).	Item	
	Sub Total		R
	VAT @ 15%		R
	<b>THE TENDERED TOTAL OF THE PRICES (INCLUDING VAT)</b>		R
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