Item No		Quantity	Rate	Amount
	SECTION 1			
	BILL NO.1			
	PRELIMINARIES			
	PRELIMINARIES			
1	**Site Establishment**			
	F:..... V:..... T:.....			
		Item		
2	**Supervision**			
	F:..... V:..... T:.....			
		Item		
3	**Safety and security**			
	F:..... V:..... T:.....			
		Item		
4	**Plant and equipment**			
	F:..... V:..... T:.....			
		Item		
5	**Enclosure of the works**			
	F:..... V:..... T:.....			
		Item		
6	**Temporary Services: Water**			
	F:..... V:..... T:.....			
		Item		
	Carried Forward		R	

PROVISIONAL BILLS OF QUANTITIES

	Brought Forward		R	
7	**Temporary Services: Electricity** F:..... V:..... T:.....	Item		
8	**Temporary Services: Telecommunications** F:..... V:..... T:.....	Item		
9	**LOCAL LABOUR** It is a general requirement of this contract that persons normally resident in the locality of the works (local labour) be given preference for employment on the contract. Provided, however, that should adequate and appropriate labour not be available within the locality, other may be employed subject to satisfactory proof being provided that every reasonable endeavour has been made to employ local labour. The Contractor shall identify the local community leaders with the purpose of negotiating with them regarding the utilization of local labour in the construction process. In this regard, the Contractor shall furthermore give preference, wherever possible to the employment of single heads of households, women and youth. The Contractor shall, in general, maximize the involvement of the local community. F:..... V:..... T:.....	Item		
10	**Occupational Health and Safety Act No. 85 of 1993** Bidders are to allow for costs in providing and implementing a "Construction Phase Safety, Health and Environmental Plan". Bidders are further reminded that it is their responsibility to amend their safety plan if the assessed risk of the work changes in the slightest manner. F..... V..... T.....	Item		
	Carried Forward		R	

PROVISIONAL BILLS OF QUANTITIES

			R
	Brought Forward		
11	SUB-TOTAL: FIXED ITEMS	Item	
12	SUB-TOTAL: VALUE-RELATED ITEMS	Item	
13	SUB-TOTAL: TIME-RELATED ITEMS	Item	
	Carried to Summary		R

PROVISIONAL BILLS OF QUANTITIES

Item No			Quantity	Rate	Amount
	SECTION 2				
	BILL NO.1				
	IRONMONGERY				
	MODEL PREAMBLES				
	The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates				
	SUPPLEMENTARY PREAMBLES				
	Trade Names				
	Where trade names are specified other ironmongery approved by the Principal Agent may be used				
	Fixing				
	Fixing of ironmongery is deemed to be fixed to timber unless otherwise described				
	SUNDRIES				
	Satin Grey Plastics or similar approved				
1	Mounted Plastic SHE bins - Heavy duty.	No	13		
	'Franke (t/a Citimetal)' or equal Architect approved stainless steel catering ware:				
2	Soap dispenser, surface mounted, item no. STRX 618, manufactured from 18/10 1.2mm stainless steel, satin finish, and with cylinder lock.	No	7		
	Carried Forward			R	

				R
	Brought Forward			
	BILL NO. 2			
	METALWORK			
	MODEL PREAMBLES			
	The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates			
	MANHOLE COVER LOCKS.			
3	Galvanized manhole cover locks	No	14	
	PADLOCKS			
4	Supply 50 mm Galvanized "Viro" Padlocks and Keys (or equal approved)	No	14	
5	Supply 75 mm Galvanized "Viro" Padlocks and Keys (or equal approved)	No	5	
	BILL NO. 3			
	PAINTWORK			
	MODEL PREAMBLES			
	The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates			
	Carried Forward			R

	Brought Forward			R	
	SUPPLEMENTARY PREAMBLES				
	Trade Names				
	Where trade names are specified it will read "or equal approved"				
	Epoxy paint				
	The product and its methodology for application must be approved by Principal Agent before it is used.				
	Contractor must prepare a 1m x 1m sample in the presence of the Principal Agent. In this case, the Contractor must give at least 48 hours notice prior to the date when the application of the epoxy paint is intended to be done.				
	Contractor to provide a Letter of Compliance confirming that epoxy paint has been applied as per Manufacturer's instructions and data sheet. Proof of payment for the epoxy paint must be provided to the Principal Agent once approval has been granted.				
	EPOXY FLOOR PAINT				
	Scrub surface with degreaser, rinse thoroughly with tap water, and apply one coat sealer and two coats epoxy paint on:				
6	Concrete floated or screeded floors	m2	83		
7	Granolithic skirting not exceeding 300mm girth.	m	166		
	Carried Forward			R	

	Brought Forward			R	
	PAINTWORK ETC TO EXISTING WORK				
	ON FLOATED PLASTER				
	Prepare surfaces and remove all loose material, apply one coat Merit Plaster Primer and plaster primer and two coats "Plascon Gloss Enamel " or equal Architect approved emulsion paint for interior use				
8	On internal walls	m2	46		
	BILL No. 4				
	GLAZING				
	MODEL PREAMBLES				
	The tenderer is referred to the "Model Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates				
	SUPPLEMENTARY PREAMBLES				
	Proprietary products in descriptions:				
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.				
	TOPS, SHELVES, DOORS, MIRRORS, ETC.				
	6mm Silvered float glass copper backed mirrors with polished edges holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete:				
9	Mirror 450 x 450mm high with four screws.	No	9		
	Carried to Summary			R	

PROVISIONAL BILLS OF QUANTITIES

Item No			Quantity	Rate	Amount
	SECTION 3				
	BILL NO. 1				
	EXTERNAL WORKS				
	THE FOLLOWING IN EXISTING WALKWAYS, RAMPS, ETC.				
	Kerbing				
1	Fig. 12 kerb size 75 x 150mm high overall, laid in lengths not exceeding 1000mm on a well rammed earth bottom or base course.	m	110		
2	Ditto but circular on plan.	m	5		
	THE FOLLOWING IN ACCESS DRIVEWAY, ETC.				
	Excavation not exceeding 2m deep				
3	Reducing levels and depositing excavated material in prescribed stock piles on site.	m3	63		
	Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):				
4	Off site to a dumping site to be found by the Contractor.	m3	63		
	Selected earth supplied by the Contractor including haulage (material to comply with Pi <10 GM = 1.2)				
5	Over site of Selected Subgrade G7 material in accordance with SABS 1 200 DM in layers not exceeding 150mm thick and compacted to 95% Mod AASHTO density.	m3	32		
	Carried Forward			R	

				R
	Brought Forward			
6	Over site of Selected Subgrade G5 material in accordance with SABS 1 200 DM in layers not exceeding 150mm thick and compacted to 95% Mod AASHTO density.	m3	32	
	Rip and Re - compact insitu material on site compacted to 93% Mod. AASHTO density:			
7	Under floors,etc.	m2	210	
	Prescribed density tests on filling:			
8	In-situ dry density test.	No	1	
	Approved brand of anti-termite soil poison applied by a Registered Pest Control Company and guaranteed against termite infestation for ten years:			
9	Treat filling under paving with 'Chlordane Heptachlor Aldrin' or equal approved.	m2	210	
	Gates:			
10	Two leafed vehicular swing gate. Size 5500mm x 1800mm high.	No	1	
	PADLOCKS			
11	Supply 50 mm "Viro" Padlocks and Keys (or equal approved)	No	1	
	THE FOLLOWING IN RETAINING WALLS, ETC.			
	Excavation in earth not exceeding 2m deep			
12	Trenches.	m3	14	
	Risk of collapse of excavations:			
13	Sides of trench and hole excavations not exceeding 1,5m deep.	m2	40	
	Carried Forward			R

PROVISIONAL BILLS OF QUANTITIES

				R
	Brought Forward			
	Keeping excavations free of water:			
14	Keeping excavations free of all water other than subterranean water.		Item	
	Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):			
15	Off site to a dumping site to be found by the Contractor.	m3	14	
	Filling with approved clean, hard, dry decomposed dolerite filling supplied and carted onto site by the Contractor, compacted to a density of at least 95% Mod. AASHTO maximum density:			
16	Behind walls with selected backfilling supplied by the Contractor compacted to 98% Mod ASSHTO density	m3	24	
	Compaction of surfaces			
17	Compaction of ground surface under floors, etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density.	m2	20	
	15Mpa/19mm Concrete			
18	Surface blinding under footings and bases.	m3	1	
	30Mpa/19mm Concrete			
19	Strip footings.	m3	7	
20	Cavity walls.	m3	5	
	Test blocks:			
21	Making and testing set of three 150x150x150mm concrete strength test cubes.	No	1	
	Carried Forward			R

PROVISIONAL BILLS OF QUANTITIES

				R	
	Brought Forward				
	Fabric reinforcement:				
22	REF. 193 fabric reinforcement in concrete infill, strip footings.	m2	28		
	Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar:				
23	330mm thick cavity brick Walls made of two leafs of 110mm wall with 110mm mesh reinforced concrete fill (concrete and reinforcement elsewhere measured).	m2	48		
	Brickwork reinforcement:				
24	230mm Wide reinforcement built in horizontally.	m	560		
	"Rustgold FBS" clay face brick or equal approved, size 222 x 106 x 73mm, bedded and jointed in Class II mortar and pointed with recessed vertical and recessed horizontal joints, suitable for exposure zones 1-2:				
25	Extra over brickwork for face brickwork externally.	m2	48		
	Brick-on-edge header course copings, sills, etc, of "Corobrik Firelight Travertine Imperial FBX" or equal Architect approved clay face brick size 222 x 106 x 73mm, pointed with recessed joints on all exposed faces:				
26	220mm Wide header course to top of one brick wall bedded and jointed in cement mortar and pointed on top and both sides as described.	m	40		
	Openings in Walls etc.				
27	Leave or form 32mm weephole through one brick wall	No	13		
	Membranes				
28	"Geofabric filter blanket wrapped around stone with 150mm side and 300mm end laps, including stitching.	m2	48		
	Carried Forward			R	

				R
	Brought Forward			
	Earth filling 300 x 300mm section of 20mm thick stone material surrounding 110mm uPVC pipe, supplied by the contractor compacted to 98% Mod AASHTO density:			
29	20mm Stone.	m3	11	
	Galvanised Mild Steel Balustrades:			
30	Heavy duty, galvanised mild steel industrial railings, consisting of 1000mm high, 90° 48mm Ø x 4.0mm E90 stanchions spaced at 1400mm centres, with 38mm Ø x 2.5mm hand/knee rails. Side mounted stanchions to be fitted with pre-drilled base plates for fixing to concrete/brick/metal surface, including all necessary bends, closures, ferrules, etc	m	40	
	THE FOLLOWING IN LANDSCAPING			
	Ground preparation:			
31	Cultivation and preparation of areas to be planted.	m2	190	
	Topsoil, compost, lime and fertilizer:			
32	Topsoil supplied by the Contractor in plant beds, grassed areas and holes for trees, shrubs, etc.	m3	29	
33	Fertilize garden soil with 3:2:1 super phosphate spread at a rate of 1kg/10m2 including working evenly into top 20mm depth of soil.	m2	190	
	Grassing, ground covers, etc			
34	"Kikuyu" roots in rows at 250mm centres	m2	190	
	Pebble covering			
35	White covering of pebbles varying from 10mm to 30mm diameter	m2	190	
	Carried Forward			R

				R
	Brought Forward			
	Maintenance Period:			
36	Maintenance of grassed and ground covered areas for a period of 3 months (total area approximately 190m2) including regularly weeding and irrigating as necessary.		Item	
	THE FOLLOWING IN STORMWATER DRAINAGE, ETC.			
	STORMWATER APRONS			
	Filling supplied by the contractor under concrete pavement, etc			
37	G7 Base course material compacted to 98% Mod AASHTO density	m3	2	
38	Over site of Selected Subgrade G5 material in accordance with SABS 1 200 DM in layers not exceeding 150mm thick and compacted to 95% Mod AASHTO density.	m3	2	
	Coarse river sand filling supplied by the contractor:			
39	Under floors etc.	m3	1	
	Compaction of surfaces:			
40	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density.	m2	14	
	Prescribed density tests on filling:			
41	In-situ dry density test.	No	2	
	Reinforced 25Mpa/19mm Concrete:			
42	Surface beds cast in panels on waterproofing.	m3	1	
	Carried Forward			R

PROVISIONAL BILLS OF QUANTITIES

				R
	Brought Forward			
	Finishing top surfaces of concrete smooth with a wood float:			
43	Surface beds, slabs, etc to falls and currents.	m2	14	
	Test blocks:			
44	Making and testing set of three 150x150x150mm concrete strength test cubes.	No	1	
	Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces:			
45	12mm Joints not exceeding 300mm high.	m	5	
	Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc			
46	10 x 12mm In movement joints in floors or walls including raking out expansion joint filler as necessary.	m	16	
	Fabric reinforcement:			
47	REF. 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	14	
	Waterproofing under Surface beds			
48	350 Micron USB orange polyethylene dampproof membrane in accordance with SABS 952 Type C laid on sand bed (elsewhere measured).	m2	14	
	Carried Forward			R

PROVISIONAL BILLS OF QUANTITIES

				R
	Brought Forward			
	STORMWATER CHANNELS			
	Cast in-situ Ref 395 mesh reinforced concrete (25MPa) open stormwater channels having V-shaped waterway formed in top, finished smooth on all exposed surfaces in 3:1 cement plaster trowelled smooth and with angles rounded, cast in suitable lengths not exceeding 1.8m, including all formwork, moulds, shallow excavation, filling and ramming, laying to falls, bedding and pointing in 3:1 cement mortar. Concrete apron to be tinted, colour to be specified by the Engineer.			
49	700 x 150mm V' channel 75mm deep in centre laid in position in ground in 1800mm sections including all excavations, imported filling (G5), ramming, trimming, formwork, reinforcement, expansion joints,floating etc.	m	10	
50	Extra for 700mm angle	No	3	
51	Extra for forming 200mm thick 700mm wide spreader with 200mm high edges fanning out to 1 960mm width at furthest end with hard burnt bricks pitching cast in ass diffusers including working off concrete to a smooth finish and draining onto natural ground with 150 - 200mm diameter loose stones.	No	3	
	THE FOLLOWING IN SUB-SOIL DRAINAGE, ETC.			
	Site Clearance, ETC			
52	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	20	
	Excavation in earth not exceeding 2m deep:			
53	Trenches.	m3	17	
	Extra over all excavations for carting away:			
54	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor.	m3	8	
	Carried Forward			R

				R
	Brought Forward			
	Risk of collapse of excavations:			
55	Sides of trench and hole excavations not exceeding 1,5m deep.	m2	48	
56	Ditto, but from ground level to exceeding 1,5m.	m2	5	
	Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% MOD AASHTO density:			
57	Backfilling to trenches, holes, etc.	m3	9	
	Earth filling 300 x 300mm section of 20mm thick stone material surrounding 110mm uPVC pipe, supplied by the contractor compacted to 98% Mod AASHTO density:			
58	20mm Stone.	m3	4	
	Membrane			
59	""Geofabric filter blanket wrapped around stone with 150mm side and 300mm end laps, including stitching.	m2	6	
	Keeping excavations free of water:			
60	Keeping excavations free from mud and all water including subterranean sources.		Item	
	Compaction of surfaces			
61	Compaction of ground surface under floors, etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density.	m2	20	
	Carried Forward			R

PROVISIONAL BILLS OF QUANTITIES

				R
	Brought Forward			
	SOIL DRAINAGE			
	110mm Diameter perforated uPVC pipe surrounded with 300 x 300mm section of 20mm stone wrapped in A3 geotextile material.			
62	110mm uPVC pipe.	m	20	
	Extra for:			
63	110mm Tee.	No	4	
64	110mm Y junction.	No	4	
	HEADWALLS			
65	Excavation not exceeding 2m deep.	m3	5	
66	Risk of collapse not exceeding 1,5m deep	m2	28	
67	Keeping excavations free from water		Item	
68	Carting away surplus excavated material	m3	3	
69	150mm layer of G7 material compacted to 95% MOD AASHTO under Concrete slab.	m3	2	
70	150mm layer of G5 material compacted to 95% MOD AASHTO under Concrete slab.	m3	2	
71	25Mpa/19mm Reinforced concrete in bottom slabs and footings.	m3	2	
72	Formwork to edges, risers, ends and reveals not exceeding 300mm wide or high.	m	6	
73	Weld Mesh Ref 193 in Concrete bottom slab.	m2	11	
74	One brick wall of 14 MPa NFX bricks.	m2	12	
	Carried Forward			R

				R
	Brought Forward			
75	230mm Wide reinforcement built in horizontally.	m	19	
76	Extra over brickwork for face brickwork externally.	m2	12	
77	Gabion mattress comprising of 20 to 30mm stones wrapped in A3 geotextile with voids filled with 1:3 cement/sand mortar.	m2	16	
	Carried to Summary			R

PROVISIONAL BILLS OF QUANTITIES

FINAL SUMMARY

Bill No		Page No		Amount
1	PRELIMINARIES	3		
2	BUILDING WORKS	7		
3	EXTERNAL WORKS	18		
	SUB-TOTAL EXCLUDING VAT		R	
	ADD 15% VALUE ADDED TAX		R	
	Carried to Form of Offer and Acceptance		R	

PROVISIONAL BILLS OF QUANTITIES