

ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		<u>SECTION No. 1</u>				
		<u>PRELIMINARY AND GENERAL</u>				
		(Applicable to the whole of the Works)				
	<u>8.3</u>	<u>FIXED CHARGE ITEMS</u>				
1	8.3.1	Contractual requirements.	SUM	1		
	<u>8.3.2</u>	<u>Establishment of Facilities on the Site</u>				
	<u>8.3.2</u>	<u>Facilities for Engineer</u>				
2	8.3.2.1a	Furnished offices.	SUM			
3	8.3.2.1b	Office furniture and telecommunicatio facilities	SUM	1		
4	8.3.2.1c	Nameboards. (In No. 1).	SUM			
	<u>8.3.2.2</u>	<u>Facilities for Contractor</u>				
5	8.3.2.2a	Offices and storage sheds.	SUM	1		
6	8.3.2.2b	Workshops.	SUM			
7	8.3.2.2c	Laboratories.	SUM			
8	8.3.2.2d	Living accommodation.	SUM			
9	8.3.2.2e	Ablution and latrine facilities.	SUM	1		
10	8.3.2.2f	Tools and equipment.	SUM			
11	8.3.2.2g	Water supplies, electric power, communications, dealing with water, and access.	SUM	1		
	8.3.2.2h	Nameboards. (In No. 1).	SUM	1		
12	8.3.2.2j	Plant.	SUM			
13	8.3.3	Other fixed charge obligations (OHS & EMP Compliance).	SUM	1		
14	8.3.4	Removal of site establishment.	SUM	1		
Total Carried Forward						

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ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Total Brought Forward						
		<u>VALUE RELATED ITEMS</u>				
15	8.3.1	Contractual requirements.	SUM	1		
	<u>8.3.2</u>	<u>Establishment of Facilities on the Site</u>				
	<u>8.3.2.1</u>	<u>Facilities for Engineer</u>				
16	8.3.2.1a	Furnished offices.	SUM			
17	8.3.2.1b	Telephone.	SUM			
18	8.3.2.1c	Nameboards. (In No. 1).	SUM			
	<u>8.3.2.2</u>	<u>Facilities for Contractor</u>				
19	8.3.2.2a	Offices and storage sheds.	SUM			
20	8.3.2.2b	Workshops.	SUM			
21	8.3.2.2c	Laboratories.	SUM			
22	8.3.2.2d	Living accommodation.	SUM			
23	8.3.2.2e	Ablution and latrine facilities.	SUM			
24	8.3.2.2f	Tools and equipment.	SUM			
25	8.3.2.2g	Water supplies, electric power, communications, dealing with water, and access.	SUM			
26	8.3.2.2j	Plant.	SUM			
27	8.3.3	Other value related obligations.	SUM			
28	8.3.4	Removal of site establishment.	SUM			
	<u>8.4</u>	<u>TIME RELATED ITEMS</u>				
29	8.4.1	Contractual requirements.	SUM	1		
Total Carried Forward						

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ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Total Brought Forward						
	<u>8.4.2</u>	<u>Operation and Maintenance of Facilities on Site, for Duration of Construction, (unless otherwise stated)</u>				
8.4.2.1		<u>Facilities for Engineer</u>				
30	8.4.2.1a	Furnished offices.	SUM	1		
31	8.4.2.1b	Office furniture and telecommunicatio facilities	SUM	1		
32	8.4.2.1c	Nameboards. (In No. 1).	SUM			
33	8.4.2.1d	Survey assistants and materials.	SUM			
	<u>8.4.2.2</u>	<u>Facilities for Contractor</u>				
34	8.4.2.2a	Offices and storage sheds.	SUM			
35	8.4.2.2b	Workshops.	SUM			
36	8.4.2.2c	Laboratories.	SUM			
37	8.4.2.2d	Living accommodation.	SUM			
38	8.4.2.2e	Ablution and latrine facilities.	SUM			
39	8.4.2.2f	Tools and equipment.	SUM			
40	8.4.2.2g	Water supplies, electric power, communications, dealing with water, and access.	SUM			
41	8.4.2.2j	Time charge obligations (OHS & EMP Compliance).	SUM	1		
42	8.4.3	Supervision for duration of construction.	SUM			
43	8.4.4	Company and head office overhead costs for duration of construction.	SUM			
44	8.4.5	Other time related obligations.	SUM			
Total carried to final summary						

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ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		<u>BILL NO. 2</u>				
		<u>EARTHWORKS (PROVISIONAL)</u>	H1			
		For Preambles refer to the Standard Preambles to all Trades- WB20 - and the Supplementary Preambles SUP1 to SUP5 and any amplification/s stated hereunder	H1			
		<u>Supplementary Preambles</u>	H3			
		The contractor is also referred to the preceding Bills for full descriptions of items and materials not described in this Bill which will apply equally to the work in this Bill unless otherwise described				
		<u>EXCAVATION, FILLING, ETC</u>	H2			
		<u>Site clearance</u>	H2			
1		Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	156		
		Cutting down and removing, grubbing up roots and filling in holes				
		<u>Excavation in earth not exceeding 2m deep</u>	H3			
2		Pit.	m3			
3		Holes.	m3			
4		Trenches	m3			
		<u>Extra over trench excavation in earth for excavation in</u>	H3			
5		Soft rock	m3			
6		Hard rock	m3			
		<u>Extra over all excavations for carting away</u>	H3			
7		Surplus material from excavations and/or stock piles on site spread and level over site	m3			
		<u>Risk of collapse of excavations</u>	H3			
8		Sides of trench and hole excavations not exceeding 1,5m deep	m2			
9		Sides of trench and hole excavations exceeding 1,5m deep	m2			
		<u>Keeping excavations free of water</u>	H3			
10		Keeping excavations free of all water other than subterranean water	Item			
Total carried forward						

ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Total brought forward						
		<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density</u>	H3			
11		Under floors etc	m3			
12		Backfilling to trenches, holes, etc	m3			
		<u>Earth filling obtained from commecial sources carted to site by the Contractor compacted to 98% Mod AASHTO density</u>	H3			
13		150mm Sub-base layer of G5 quality material from commercial sources,spread,levelled,watered,consolidated and compacted 95% Mod ASSHTO dry density	m2			
		<u>25mm Coarse river sand filling supplied by the contractor</u>	H3			
14		Under floors etc	m2			
		<u>Compaction of surfaces</u>	H3			
15		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 95% Mod AASHTO density	m2			
16		Compaction of ground surface under footings etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density	m2			
17		Compaction of ground surface under bases etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density	m2			
18		Compaction of ground surface under pit slab etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density	m2			
		<u>Prescribed density tests on filling</u>	H3			
19		Modified AASHTO Density test	No			
		<u>SOIL POISONING</u>	H2			
		<u>Agrevo Cooper TC (active ingredient permithrin) anti-termite soil poisoning applied by a registered Pest Control company and gauranteed against termite infestation for ten years</u>	H3			
20		Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2			
21		To bottom and sides of trenches	m2			
Total carried to final summary						

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ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1		<u>BILL NO. 3</u>	H1			
		<u>CONCRETE, FORMWORK AND</u>	H1			
		<u>REINFORCEMENT</u>				
		For Preambles refer to the Standard Preambles to all Trades- WB20 - and the Supplementary Preambles SUP1 to SUP5 and any amplificatio/s stated hereunder				
		UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES	H2			
		<u>25MPa/19mm concrete</u>	H3			
		Footings.	m3			
		REINFORCED CONCRETE	H2			
		25Mpa/19mm concrete	H3			
		Slabs over pit hole.	m3			
2		Surface beds cast in panels on waterproofing	m3			
3		Stub columns.	m3			
4		Steps.	m3			
5		<u>REINFORCED CONCRETE CAST AGAINST</u>	H2			
		<u>EXCAVATED SURFACES</u>				
		<u>25MPa/19mm concrete</u>	H3			
6		Bases.	m3			
		<u>TEST BLOCKS</u>	H2			
7		Allow for all necessary concrete test cubes size 150 x 150 x 150mm cast from batches of concrete required for the entire contract as specified, made, stored, cured and tested in accordance with SABS Methods,include use of approved cube moulds, transporting to an approved testing laboratory for testing , paying all charge and submitting reports to the Principal Agent	No			
		<u>CONCRETE SUNDRIES</u>	H2			
		Finishing top surfaces of concrete with wood float finish	H3			
8		Surface beds, slabs, etc	m2			
9		Top, sides and front of stairs.	m2			
		<u>PERMANENT FORMWORK</u>	H2			
		Permanent formwork	H3			
10		Under pit slab.	m2			
Total carried forward						

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ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Total brought forward						
		<u>FORMWORK</u>	H2			
		Rough formwork	H3			
11		Sides of stub columns.	m2			
12		Edges, risers and reveals not exceeding 300mm high or wide	m			
13		Edges of stairs not exceeding 300mm high or wide	m			
		MOVEMENT JOINTS ETC	H2			
		Expansion joints with bitumen impregnated softboard between 220mm vertical bricks	H3			
14		10mm Joints not exceeding 300mm high	m			
		<u>REINFORCEMENT</u>	H2			
		<u>Fabric reinforcement</u>	H3			
15		Ref 193 fabric reinforcement in concrete surface beds, slabs, etc	m2			
		High tensile steel reinforcement to structural concrete work	H2			
16		Bars in various diameter (Provisional)	t			
Total carried to summary						

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ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		<u>BILL NO. 4</u>	H1			
		<u>PRECAST CONCRETE</u>	H1			
		For Preambles refer to the Standard Preambles to all Trades- WB20 - and the Supplementary Preambles SUP1 to SUP5 and any amplificatio/s stated hereunder				
		Precast concrete posts, etc finished smooth on exposed surfaces including bedding, jointing and pointing	H4			
		Precast concrete posts are to be build into brick/block walls and pointed on both sides with 10 x 10mm square joints	H4			
		Price shall include for building in and for bedding solid to sides in mortar and pointing	H4			
1		Procurement, Transportation, Delivery and installation of Concrete Bins (Maximum in height 720mm x Maximum Width 500mm)	No	3		
2		Procurement, Transportation, Delivery and installation of WilsonStone Concrete Nahoon Rest Set (Seat Height: 450mm, Seat Diameter : 350mm, Seat Length:1320mm, Table height: 750mm, Table Diameter: 1000mm)	No	8		
3		Complete Construction of a Thatch Roof Braai Lapa of plan Area (6000m x 4000m) . The pricing and construction of the lappa must be in accordance to Detail Drawing UGQ/KOK039/NTEN/001-BRAAII THATCH ROOF LAPA DESIGN DRAWING	No	2		
4		Procurement, Transportation, Delivery and installation of 3000m x 3000m Square Aluminium Centre Pole Umbrella Grey	No	8		
Total carried to summary						

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ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		<u>BILL NO. 5</u>	H1			
		<u>MASONRY</u>	H1			
		For Preambles refer to the Standard Preambles to all Trades- WB20 - and the supplementary Preambles SUP1 to SUP5 and any amplification/s stated hereunder				
		<u>BRICKWORK</u>	H2			
		<u>BRICKWORK IN FOUNDATIONS (PROVISIONAL)</u>	H2			
		<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class I mortar</u>	H3			
1		Projections.	m3			
2		Half brickwalls.	m2			
3		One brickwalls	m2			
		<u>BRICKWORK IN SUPERSTRUCTURE</u>	H2			
		<u>Brickwork of NFP bricks in class II mortar</u>	H3			
4		Half brickwalls	m2			
5		One brickwalls	m2			
6		Half brickwall in beamfilling	m2			
7		One brickwall in beamfilling	m2			
		<u>FACE BRICKWORK</u>	H2			
		Corobrick Firelight Satin face bricks pointed with recessed horizontal and vertical joints	H3			
8		Extra over for face brickwork externally	m2			
9		Extra over for face brickwork in foundations.	m2			
Total carried forward						

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ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Total brought forward						
10		<u>Brick-on-edge header course copings,sills,etc of</u> <u>"Corobrick" Firelight Satin face bricks pointed and</u> <u>recessed joints on all exposed faces</u>	H3			
		220mm Brick on edge lintol.	m			
		Brickwork reinforcement	H3			
11		75mm Wide reinforcement built in horizontally	m			
12		150mm Wide reinforcement built in horizontally	m			
		Prestressed precast concrete fabricated lintels	H3			
13		110 x 75mm Lintels in lengths not exceeding 3m	m			
		Air bricks	H3			
14		229 x 152mm Terra-cotta vermin proofed air-bricks (Provisional)	No			
		Galvanised hoop iron cramps, ties, etc	H3			
15		30 x 1.6mm thick and 1.6m Long galvanised hoop iron straps with one end fixed brickwork and other end fixed to roof truss	No			
		EVERITE NUTEC FIBRE CEMENT WINDOW SILLS	H2			
		Naturally grey cills in single lengths bedded in class I mortar including metal fixing lugs and self tapping screws	H3			
16		150 x 15mm thick sills set flat and slightly projecting	m			
Total carried to summary						

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ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1		<u>BILL NO. 6</u>	H1			
		<u>WATERPROOFING</u>	H1			
		For Preambles refer to the Standard Preambles to all Trades- WB20 and the Supplementary Preambles SUP1 to SUP5 and any amplification/s stated hereunder				
		<u>DAMP-PROOFING OF WALLS AND FLOORS</u>	H2			
		One layer of 375 micron "Consol Plastics Brikgrip DPC" embossed damp proof course	H3			
		In walls	m2			
		<u>One layer of 250 micron "GUNPLAS USB GREEN waterproofing on 25mm river sand bed</u>	H3			
		Under surface beds, etc	m2			
		Bottoms and sites of pit	m2			
		under window cills	m2			
2		JOINT SEALANTS ETC	H2			
		<u>Two part grey polysulphide sealant including backing cord, bond breaker,primer, etc</u>	H3			
		12 x 10mm in expansion joints vertically in walls, including raking out expansion joint fillerboard as necessary	m			
		Approved silicone sealing compound	H3			
6		Bostik silicone sealant applied with a pressure caulking gun sealing around metal window	m			
		Total carried to summary				

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ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1		BILL NO. 7	H1			
		ROOF COVERINGS ETC	H1			
		For Preambles refer to the Standard Preambles to all Trades- WB20 - and the Supplementary Preambles SUP1 to SUP5 and any amplificatio/s stated hereunder				
		<u>CORRUGATED METAL SHEETING AND</u>	H2			
		<u>ACCESSORIES</u>				
		IBR Chromadek roof sheeting with leaking roofing screws mastic sealant at side laps- fixed to timber purlins or rails:	H3			
2		Roof covering with pitch not exceeding 25 degrees	m2			
		<u>ROOF INSULATION</u>	H2			
		<u>Sisalation 420 heavy duty industrial grade aluminium foil</u>	H3			
		<u>based insulation</u>				
		Insulation laid taut over rafters(at approximately 1200mm centres) and fixed concurrent with tiling battens,purlins.etc	m2			
Total carried to summary						

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ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		<u>BILL NO. 8</u>	H1			
		<u>CARPENTRY AND JOINERY</u>	H1			
		For Preambles refer to the Standard Preambles to all Trades- WB20 and the Supplementary Preambles SUP1 to SUP5 and any amplification/s stated hereunder				
		<u>ROOFS ETC</u>	H2			
		Tenderers are to make allowance in their rates for any additional expense in regard to treatment of timber against insect pest affecting softwood fixed permanently in the building				
		Plate nailed timber roof truss construction	H3			
		Prefabricated roof trusses etc	H3			
		The following in plate nailed timber roof trusses with a pitch not exceeding 25 degrees, from an approved supplier, delivered to site, hoisted into position, fixed and braced on timber wall plates				
		Prices for roof trusses are to include for all temporary bracing and supports and for all necessary top and bottom chord bracing, wind bracing and runners where required				
		The following is applicable in respect of roof trusses Trusses are at +/- 1260mm/ 1270 centres.				
		Roof covering is IBR roof sheeting on purlins. Refer to the architect's drawings accompanying these Bills of quantities for tender purposes. The dimensions in the descriptions for trusses are nominal and actual measurements are to be obtained from the architect and/or the site before designing or fabrication commences.				
1		38 x 114mm Wall plates	m			
2		76 x 50mm Purlins	m			
3		152mm x 38mm Rafters in lengths exceeding 3.9m and not exceeding 6.6m	m			
		<u>ROOFS SUNDRIES</u>	H2			
4		Tecotwo way hurricane clips	No			
Total carried forward						

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ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Total brought forward						
5		<u>EAVES, VERGES, ETC</u>	H2			
		<u>Everite NUTEC fibre-cement:</u>	H3			
		12 x 225mm Fascia boards including galvanised steel H-profile jointing strips	m			
6		80 x 200mm L-shaped barge boards including galvanised steel H-profile jointing strips	m			
		<u>TIMBER DOORS AS TDM OR SIMILAR APPROVED</u>	H2			
		<u>DOORS ETC</u>	H2			
7		Note:				
		All framed and ledged batten doors and combination doors, where battens are utilised, shall only be of constriction acceptable to the Municipality, i.e. mortice and tenon where is exposed on the outside edge of stiles and where the tenon is wedged to form a dovetailed shape				
		<u>Saligna</u>	H3			
		40mm "Blasco" Framed ledged and braced batten door size 787 x 1882mm high with 40 x 110mm styles and top rail, 20 x 150mm middle ledge, 20 x 225mm bottom ledge and braced 20 x 110mm braces	No			
8		40mm "Blasco" Framed ledged and braced batten door size 813 x 2032mm high with 40 x 110mm styles and top rail, 20 x 150mm middle ledge, 20 x 225mm bottom ledge and braced 20 x 110mm braces	No			
9		40mm "Blasco" Framed ledged and braced batten double door with rebated meeting stiles, size 1613 x 2032mm high with 40 x 110mm styles and top rail, 20 x 150mm middle ledge, 20 x 225mm bottom ledge and braced 20 x 110mm braces	No			
10		Wrought Meranti doors hung to steel frames	H3			
		40mm Red meranti framed braced batten door size 813 x 2032mm high with 40 x 110mm styles and top ledged, 20 x 150mm middle ledge, 20 x 225mm bottom ledge and braced with 20 x 110mm braces	No			
		<u>FLUSH DOORS</u>	H2			
		Solid flush panel doors finished on both sides with commercial veneer, hung to steel frames	H3			
11		40mm Door size 813 x 2032mm high	No			
Total carried to summary						

ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		BILL NO. 9	H1			
		CEILINGS,	H2			
		For Preambles refer to the Standard Preambles to all Trades- WS20 and the Supplementary Preambles SUP1 to SUP5 and any amplification/s stated hereunder				
		Descriptions:	H3			
		Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete				
		Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted" the bolts have been measured elsewhere				
		<u>SUSPENDED CEILINGS ETC</u>	H2			
		1200 x 600 x 6mm Thick "Everite Nutec-cement" boards complete with scrimed joints screwed up to tee suspension system including galvanised main tees, cross tees, hold down clips, wedges, reinforcement splines, etc all suspended with galvanised hangers at centres not exceeding 1200mm:	H3			
1		Ceilings suspended not exceeding 1m below timber trusses	m2			
		White powder coated shadoline cornices	H3			
2		Shadoline cornices.	m			
Total carried to summary						

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ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		<u>BILL NO. 10</u>	H1			
		<u>IRONMONGERY</u>	H1			
		For Preambles refer to the Standard Preambles to all Trades- WB20 and the Supplementary Preambles SUP1 to SUP5 and any amplification/s stated hereunder				
		<u>HINGES,BOLTS,ETC</u>	H3			
		<u>Solid</u>	H3			
1		75 x 100mm High Brass hinge.	No			
2		Solid Art 293 WC indicator bolt	No			
3		150mm Satin chrome flush bolt with keep fixed to steel frame	No			
4		150mm Satin chrome flush bolt with keep cast into concrete.	No			
		<u>LOCKS</u>	H2			
		<u>Solid</u>	H3			
		The following locks are to be suitable for master key operation				
5		Art 390/313/ Three lever lockset	No			
6		Art 390/313/ Rebated three lever lockset and rebate conversion set.	No			
		<u>LETTERS,NAMEPLATES, ETC</u>	H2			
7		Aluminium sign plate (Male/Female) screwed to door.	No			
8		3000 x 500mm High aluminium name plate with screwed to plastered walls.	No.			
		<u>SUNDRIES</u>	H2			
9		38mm Diameter rubber door stop plugged	No			
Total carried to summary						

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ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1		<u>BILL NO. 11</u>	H1			
		<u>METALWORK</u>	H1			
		For Preambles refer to the Standard Preambles to all Trades- WB20 and the supplementary Preambles SUP1 to SUP5 and any amplification/s stated hereunder				
		<u>Descriptions</u>	H3			
		Descriptions of expansion anchors and bolts and mechanical anchors and bolts shall be deemed to include nuts, washers, anchors and mortices in brickwork or concrete.				
		<u>GALVANISED WELDED SCREENS, GATES, ETC</u>	H2			
		Single gate and frame overall size 877mm x 2032mm high with vertical and horizontal bars welded on including gate lock and accessories as per drawing number 033508/00000/A01	No			
		<u>GALVANISED PRESSED STEEL DOOR FRAMES</u>	H2			
		1,2mm Double rebated frames suitable for half brick walls	H3			
		Frame for door 813 x 2032mm high	No			
2		1,2mm Double rebated frames suitable for one brick walls	H3			
3		Frame for door 813 x 2032mm high	No			
4		Frame for door 1613 x 2032mm high	No			
5		<u>GALVANISED STEEL WINDOWS, DOORS, ETC</u>	H2			
		Hot dipped galvanised awning out windows including burglar bars to all opening sections	H3			
		Window type TD7 size 1022 x 1264mm high	No			
6		Window type TD7S size 1511 x 1264mm high	No			
Total carried to summary						

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ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		<u>BILL NO. 12</u>	H1			
		<u>PLASTERING</u>	H1			
		For Preambles refer to the Standard Preambles to all Trades- WB20-and the Supplementary Preambles SUP1 to SUP5 and any amplificatio/s stated hereunder				
		<u>GRANOLITHIC</u>	H2			
1		40mm Thick on floors	m2			
2		30mm Thick on thresholds including reedings	m			
3		Narrow widths	m2			
		<u>INTERNAL CEMENT PLASTER</u>	H2			
		On Brickwork/blockwork	H3			
4		On walls	m2			
5		On narrow width	m2			
		<u>EXTERNAL CEMENT PLASTER</u>	H2			
		On Brickwork/blockwork	H3			
6		On walls	m2			
7		On narrow widths	m2			
Total carried to summary						

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ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		<u>BILL NO. 13</u>	H1			
		<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>	H1			
		For Preambles refer to the Standard Preambles to all Trades- WB20-and the Supplementary Preambles SUP1 to SUP5 and any amplification/s stated hereunder				
		<u>STORMWATER CHANNELS</u>	H2			
		20Mpa/19mm Mass concrete channels	H3			
1		900mm Wide x 130mm average thick V shaped channels with rounded salient edges and finished on all exposed surfaces with 2:1 cement mortar, laid to falls with control joints formed with 12mm bitumen impregnated softboard with all exposed edges of softboard raked out for a depth of 10mm and sealed with two part grey polysulphide sealant at maximum 3000mm centres including all necessary excavations and formwork	m			
		<u>SOIL DRAINAGE</u>	H2			
		<u>uPVC pipes</u>	H3			
2		100mm Pipes vent pipe.	m			
		Extra over uPVC pipes for fittings	H3			
3		100mm Diameter flyscreen.	No			
		Precast concrete circular inspection covers	H3			
4		400 x 600mm Precast concrete covers.	No			
		<u>RAINWATER DISPOSAL</u>	H2			
		<u>Watertite prepainted aluminium water goods:</u>	H3			
5		125 x 100mm Ogee pattern seamless gutter fixed to falls with and including aluminium hangers at 600mm centers to timber fascia.	m			
6		Extra on gutter for angle.	No			
7		Extra on gutter for stop ends.	No			
8		Extra on gutter for outlet and joint to 75 x 100mm aluminium rainwater pipe including grating.	No			
9		75 x 100mm Rectangular pattern with rainwater pipe fixed with aluminium straps to brick walls.	m			
10		Extra for shoe.	No			
Total carried forward						

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ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Total brought forward						
11		<u>SANITARY FITTINGS</u>	H2			
		<u>WC Suites</u>	H2			
		VIP type 450 pvc toilet seat complete.	No			
12		<u>The following in soakaways, French drains, etc:</u>	H3			
		Excavate in earth for and build French drain size 20000 x 600 x 800 mm fill in with 13mm crushed stone to within 200mm of top enclose stone with geofabric U 14 and fill in with earth filling from stock piles on site.	No			
13		<u>SOAKAWAYS</u>	H3			
		600 x 800mm deep SOAKAWAY comprising of 19mm to 50mm clean aggregate fill and wrap with A4 bidum.	m			
14		<u>RAINWATER TANKS</u>	H2			
		2500L "Polyethylene"rainwater tanks on and including 100mm concrete slab on top of 220mm brick wall to be tied down with chains in hose-pipe fix to hooks cast into concrete	No			
Total carried to summary						

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ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1		<u>BILL NO. 14</u>	H1			
		<u>GLAZING</u>	H1			
		For Preambles refer to the Standard Preambles to all Trades- WB20-and the Supplementary Preambles SUP1 to SUP5 and any amplificatio/s stated hereunder				
		<u>Glazing to steel sashes fixed with approved putty:</u>	H3			
		<u>4mm Clear float glass</u>	H3			
		Panes exceeding 0,5m2 and not exceeding 2 m2	m2			
Total carried to summary						

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ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		<u>BILL NO. 15</u>	H2			
		<u>PAINTWORK</u>	H1			
		For Preambles refer to the Standard Preambles to all Trades- WB20-and the Supplementary Preambles SUP1 to SUP5 and any amplification/s stated hereunder				
		<u>ON PLASTER</u>	H2			
		One coat primer, one undercoat and two coats "Plascon Wall and All" acrylic emulsion paint				
1		On internal walls	m2			
2		On external walls	m2			
		<u>ON METAL</u>	H2			
		One coat "Plascon Galvanised iron Cleaner", One Plascon 'Galvogrip' metal primer, one coat 'Plascon Merit' universal undercoat and two coats "Gloss enamel paint on galvanised steel				
3		On security gates, doors etc (both sides measured over the full flat area)	m2			
4		On door frames	m2			
5		On windows with burglar bars (both sides measured over the full flat area)	m2			
		<u>ON WOOD</u>	H2			
		One coat oil wood primer, one universal undercoat and two coats "Gloss enamel" paint	H3			
6		On door frames.	m2			
7		On doors	m2			
		<u>Three coats clear mat varnish</u>	H3			
8		On doors	m2			
		<u>ON FIBRE CEMENT</u>	H2			
		One coat primer, one universal undercoat and two coats "Gloss enamel" paint	H3			
9		On fascias and barge boards.	m2			
Total carried to summary						

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ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		<u>BILL NO. 16</u>	H1			
		<u>EXTERNAL WORK(PROVISIONAL)</u>	H1			
		For Preambles refer to the Standard Preambles to all Trades- WB20-and the Supplementary Preambles SUP1 to SUP5 and any amplification/s stated hereunder				
		Supplementary Preambles	H3			
		The contractor is also referred to the preceding Bills for full descriptions of items and materials not described in this Bill which will apply equally to the work in this Bill unless otherwise described				
		<u>BULK EXCAVATION, FILLING, ETC</u>	H2			
		Excavation in earth not exceeding 2m deep	H3			
1		To form platform	m3			
2		To reduced levels	m3			
		Extra over bulk excavations in earth for excavation in	H3			
3		intermediate material	m3			
4		Soft rock	m3			
5		Hard rock material	m3			
		Extra over all excavations for carting away	H3			
6		Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3			
		Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 90% Mod AASHTO density	H3			
7		Over site to make up levels	m3			
		<u>SOIL POISONING</u>	H2			
		Weedkiller mixed in proportion with water	H3			
8		Under pavings etc	m2			
9		Keep excavations free from water for all work included in this section	Item			
Total carried forward						

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ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Total brought forward						
10		<u>LAYERWORKS</u> Rip up and scarify insitu ground 150mm deep and compact to 95% Mod ASSHTO dry density	m2			
11		150mm Sub-base layer of G2 quality material from commercial sources,spread,levelled,watered,consolidated and compacted to 95% Mod ASSHTO dry density	m2			
12		150mm Sub-base layer of G5 quality material from commercial sources,spread,levelled,watered,consolidated and compacted to 95% Mod ASSHTO dry density	m2			
		PAVING PARKING BAYS				
		<u>60mm Paving blocks</u>				
13		60mm concrete block paving inclusive of excavation to line,	m2			
14		trimming to grade, laying of sand and laying paving blocks plus grouting				
		<u>KERBS</u>	H2			
		Kerbs	H3			
15		Barrier Kerbs	m			
16		Mountable Kerbs	m			
		<u>FENCING: TO BE DONE BY THE MUNICIPALITY'S</u>	H2			
		<u>NOMINATED CONTRACTOR</u>				
		Galvanised steel security fencing on and including 76 x 76 x 1.8mm square tube posts set in 450 x 450 x 900mm deep 15Mpa mass concrete base not exceeding 3m centres, prepainted with one coat undercoat and two coats gloss enamel paint on both sides of palisade	H3			
17		Palisade security fencing 1.8m high.as per architectural drawings	m			
18		Extra over for 100 x 100mm end or gate post	No			
		<u>Gates</u>	H3			
19		Standard 4050 x 1800mm high double gate consisting of 76 x 76mm frames with bracing and complete with 4 hinges,bolts and 2 barrel bolts	No			
20		Standard single pedestrian gate size 1000 x 1800mm high	No			
21		Main Contractors Mark up for managing nominated contractor	Item			
Total carried to summary						

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ITEM NO	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		<u>BILL NO. 17</u>	H1			
		<u>PROVISIONAL SUMS</u>	H2			
		For Preambles refer to the Model Preambles for Trades (1999 Edition)				
		All provisional sums cover supply of material and equipment and installation. Provisional sums are nett and do not include builder's discount (excluding settlement discount) and Value-Added Tax but the Tenderer may allow under "Profit" items any profit he considers necessary				
		<u>PROVISIONAL ALLOWANCES</u>	H2			
		The following sums shall be allowed in respect of the items listed below. These sums shall be used as directed by the Engineer/Architect and deducted in whole or in part if not required				
1,0		<u>LANDSCAPING</u>	H2			
		Provide the sum of R 20 000.00 (fifteen Thousand rands) for landscaping	Item			
1,1		Allow for mark up	Item			
2,0		<u>ELECTRICAL INSTALLATION</u>	H2			
		Provide the sum of R 150 000.00 (One hundred and fifty Thousand) for supply of a 20KW Generator set and all electrical connection and installations	Item	1		
2,1		Allow for mark up	Item	1		
3,0		<u>COMMUNITY LIAISON OFFICER</u>				
		Provide the sum of R18 000,00 (Eighteen thousand rands) for CLO	Item	1	18000	R 18 000,00
3,1		Allow for mark up	%	18000		
4,0		<u>PROJECT STEERING COMMITTEE</u>				
		Provide the sum of R8 000,00 (Eighteen thousand rands) for CLO	Item	1	8000	R 8 000,00
4,1		Allow for mark up	%	8000		
5,0		<u>DEMOLITION OF EXISTING DAMAGED BUILDING</u>				
		Demolish existing damaged 12mx5m building and stockpile remains to haul to spoil	m2			
6,0		<u>PROVISION OF PLASTIC CHAIRS FOR THE HALL</u>				
6,1		Procure, transport and place plastic chairs for the hall	No			
7,0		<u>EXPANDED PUBLIC WORKS PROGRAMME</u>				
		Provide the sum of R 30 000.00 (thirty thousand rands) for Accredited training	Item	1		
7,1		Contractors Mark up	Item	1		
Total carried to summary						

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		<u>SECTION SUMMARY - BULDERS WORK</u>				
1	Bill 2	Earthworks (Provisional)	Page			
2	Bill 3	Concrete, formwork and reinforcement	Page			
3	Bill 4	Precast Concrete	Page			
4	Bill 5	Masonry	Page			
5	Bill 6	Waterproofing	Page			
6	Bill 7	Roof Coverings, etc	Page			
7	Bill 8	Carpentry and Joinery	Page			
8	Bill 9	Ceilings	Page			
9	Bill 10	Ironmongery	Page			
10	Bill 11	Metalwork	Page			
11	Bill 12	Plastering	Page			
12	Bill 13	Plumbing and Drainage (Provisional)	Page			
13	Bill 14	Glazing	Page			
14	Bill 15	Paintwork	Page			
15	Bill 16	External works (Provisional)	Page			
16	Bill 17	Provisional sums	Page			
		<u>FINAL SUMMARY</u>				
1		Preliminaries	Page			
2		Builders Work	Page			
		Sub-Total	ST			
		Contingencies:				
		Allow 5 percent contingencies	Item			
		Sub-Total	ST			
		ADD: Value Added Tax at 15%	VAT			
Total Carried to form of tender						