

**Main Provisional Bills of Quantities**

Item	Description	Unit	Qty	Rate	Amount
A	<b><u>BILL NO. 1</u></b>				
	<b><u>PRELIMINARIES</u></b>				
	<b><u>BUILDING AGREEMENT AND PRELIMINARIES</u></b>				
	Instructions issued on site are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor				
	F:.....V:.....T:.....	Item			
	<b><u>SECTION D- SITE ESTABLISHMENT AND ACCOMMODATION</u></b>				
	<b><u>Contractual obligation</u></b>				
	1 Accommodation	Item	1		
	2 Site office	Item	1		
	3 Security guards and PPE for workers	Item	1		
	Total Amount carried to final summary				



## Labour and Material

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Item	Description	Unit	Qty	Rate	Amount
C	<b>Bill No. 3</b>				
	<b>SOIL POISONING</b>				
	<b><u>Compaction of ground surfaces</u></b>				
1	Compaction of natural or excavated ground surface under floors etc, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density	m <sup>2</sup>	149		
	<b><u>Weed Killers, Insecticides, etc.</u></b>				
	<b><u>Soil insecticide in accordance with SANS 5859</u></b>				
2	Under floors etc	m <sup>2</sup>	149		
3	To bottoms and sides of trenches etc	m <sup>2</sup>	16		
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Item	Description	Unit	Qty	Rate	Amount
D	<b><u>Bill No. 4</u></b>				
	<b><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></b>				
	<b><u>CONCRETE</u></b>				
	<b><u>Unreinforced concrete cast against excavated surfaces</u></b>				
1	15Mpa/19mm concrete surface blinding under surface bed, 50mm thick	m <sup>3</sup>	34		
2	Ditto, for surface bed 85mm thick	m <sup>3</sup>	15		
3	Reinforced concrete 50mm thick elsewhere	m <sup>3</sup>	19		
	<b><u>Reinforced concrete cast against excavated surfaces</u></b>				
4	20Mpa / 20mm stone concrete for strip footings	m <sup>3</sup>	23		
	<b><u>REINFORCEMENT</u></b>				
	<b><u>Fabric Reinforcement</u></b>				
5	Type 193 fabric reinforcement in concrete surface beds, slabs (and 250 micro DPM laid on the floor)	m <sup>2</sup>	149		
	<b><u>CONCRETE SUNDRIES</u></b>				
	<b><u>trowel: Slab</u></b>				
6	50mm topping laid on top of surface bed	m <sup>2</sup>	149		
	Total Amount C/F				

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Item	Description	Unit	Qty	Rate	Amount
	<b><u>Amount b/f</u></b>				
	<b><u>MASONRY</u></b>				
	<b><u>BRICKWORK</u></b>				
	<b><u>Foundations</u></b>				
7	Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar for half brick walls	m <sup>2</sup>	162		
8	Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar for one brick walls	m <sup>2</sup>	38		
	<b><u>Brickwork Sundries</u></b>				
9	30 x 1,6mm Cramp 500mm long with one end fixed to timber and other end built into brickwork fixed at 900mm spacings	No	34		
	<b><u>Metal Work (Pressed Steel Door Frames)</u></b>				
10	1,6mm Rebated frames suitable for one brick walls	No	1		
11	Frame for double door 1.6m x 2.032mm high (D2)	No	1		
12	1,6mm Rebated frames suitable for half brick walls	No	6		
13	1,6mm Rebated frames suitable for one brick walls stable door frame in the kitchen (D8)	No	1		
	<b>Total Amount Carried to Final Summary</b>				

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	Description	Unit	Qty	Rate	Amount
E	<b>Bill No. 5 Super Structure brickwork</b>				
	<b>Face Brickwork (Fynbos)</b>				
1	One brick wall	m <sup>2</sup>	143		
2	One brick wall beamfilling	m <sup>2</sup>	23		
3	Half brick wall	m <sup>2</sup>	61		
4	Half brick wall beamfilling	m <sup>2</sup>	55		
5	One brick walls in hollow columns	m <sup>2</sup>	8		
	<b>75mm and 150mm heavy duty reinforcement laid horizontally on brick work</b>				
6	150mm heavy duty brick force one brick wall	m	262		
7	75mm heavy duty brick force laid to bricks	m	180		
	<b>Builders columns</b>				
	250mm x 200mm high builders columns to be filled with concrete inside including header and footers set to be well planted to floor patio				
8	In patio as on plan	No	3		
9	75mm x 6.0m lintel above the planted columns lined up to the level as required	No	2		
	Total Amount C/F				

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Item	Description	Unit	Qty	Rate	Amount
	<b>Amount b/f</b>				
	<b>Lintels (75 x 100mm for stock bricks)</b>				
	Concrete reinforced lintels built above all windows, doors, arches and all openings				
1	Lintels size 2 100mm above W2	No	2		
2	Lintels size 1 500mm above W4	No	4		
3	Lintels size 1 000mm above W3	No	2		
4	Lintels size 2 100mm above W5	No	1		
5	Lintels size 1 800mm above all arches	No	1		
6	Lintels size 1 200mm above all door frames	No	8		
7	Lintels In patio as on plan 3 600mm	No	1		
8	Lintel size 2 400mm in the serving point between kitchen and training hall	No	1		
	<b>Plaster work</b>				
	Steel float finish internal plaster work in 1 : 3 mortar mix including all small openings in the beam filling				
9	Internal walls	m <sup>2</sup>	132		
10	Reveals and door closures	m <sup>2</sup>	19		
11	50mm floor screed topping to receive tiles	m <sup>2</sup>	141		
12	Ditto but to all patios to fall slope not excdg. 2 degr.	m <sup>2</sup>	23		
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Item	Description	Unit	Qty	Rate	Amount
F	<b>Bill No. 6</b>				
	<b>ROOF COVERINGS, TRUSSES, ETC</b>				
	<b>Profiled Metal Sheeting And Accessories</b>				
	<b>0,5mm Z275 IBR Galvanized steel sheets with "chromadek" finish of approved standard colour on one side and standard grey backing finish on reverse side, fixed to timber purlins</b>				
	<b>One layer 4mm special polyester fully bonded waterproofing laid on to roof slope</b>				
	1 IBR roof covering with a 24 degree pitch	m <sup>2</sup>	186		
	2 Prefabricated roof trusses for the entire bldg . including purlins, bracing and wall plates	m <sup>2</sup>	147		
	<b>Trusses</b>				
	3 114x38mm SA pine elsewhere including all nails, carbolinium on the eaves of the trusses	m	55		
	<b>Galv ridge capping</b>				
	4 0,5mm thick ridge cap placed on top of roof coverings including all closures and nails with the similar colour of the roof coverings	m	79		
	Total Amount C/F				



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Item	Description	Unit	Qty	Rate	Amount
	Amount b/f				
	<b><u>CARPENTRY AND JOINERY</u></b>				
	<b><u>Plate nailed timber roof truss construction</u></b>				
5	76mm x 38mm wall plates fixed with 75mm nails at 400mm c/c	m	43		
6	Four-bay Howe trusses, 7500 x 1000mm high overall with 600mm eaves projection on both sides	No	12		
7	38x114mm timber as roof trusses for patio, at 700mm spacings, 1700mm long with 600mm overhang	No	13		
	<b><u>Floors and skirtings</u></b>				
8	Wrought meranti skirting, size 75mm x 19mm and quarter round	m	170		
	<b><u>Doors, etc.</u></b>				
9	Wrought meranti door, size 813 x 2032mm high, including locks and fittings for D3	No	1		
10	Wrought meranti double door, size 1693 x 2032mm high, including frame, locks and fittings for D2	No	1		
11	Wrought meranti stable door, size 893 x 2032mm high, including frame, locks, and fittings for D8	No	1		
12	Hollow core door 2032 x 813mm with locks (D1)	No	6		
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Item	Description	Unit	Qty	Rate	Amount
J	<b>Bill No. 10</b>  <b>GLAZING</b>  <b>GLAZING TO WOOD WITH PINNED-ON BEADS</b>  <b>Clear float panes, including beads</b>				
1	Panes exceeding 2m <sup>2</sup> and not exceeding 4m <sup>2</sup> , for W1	m <sup>2</sup>	7		
2	Ditto, for W2	m <sup>2</sup>	3		
3	Ditto, panes exceeding 0.5m <sup>2</sup> and not exceeding 2m <sup>2</sup> , for W3	m <sup>2</sup>	2		
4	Ditto, for W4	m <sup>2</sup>	2		
5	Ditto, for W5	m <sup>2</sup>	2		
	<b><u>External work</u></b>				
	<b>Aprons</b>				
	Contractor is requested to carefully clean up around the building and prepare to cast in 20MPa reinforced concrete apron not spilling concrete on the face brick work of the building				
6	20 MPa reinforced concrete around the building	m <sup>3</sup>	14		
7	85mm thick apron to slope not exceeding 5 degrees	m <sup>3</sup>	6		
8	Cast in to pannels at 3m intervals	m <sup>3</sup>	4		
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Item	Description	Unit	Qty	Rate	Amount
K	<b>Bill No. 11</b>				
	<b>PAINTWORK</b>				
	<b>Internal Plaster Primer</b>				
	<b>Two coats of high quality plaster primer to all internal walls including reveals and one coat of under coat to all metal work including bishop strip</b>				
1	Doors (Meranti and other doors)	m <sup>2</sup>	45		
2	Wood coating to all window frames	m <sup>2</sup>	38		
3	Steel door frames (to finish with cream white)	m <sup>2</sup>	12		
4	Skirtings, rails, etc not exceeding 300mm girth	m	100		
5	Bishop stripes on ceiling	m	119		
6	Internal walls	m <sup>2</sup>	143		
	<b>ON PLASTERED WALLS SURFACES</b>				
	<b>Two coats low odour premium quality highly washable and stain resistant acrylic emulsion paint (light grey or cream)</b>				
7	Internal walls and reveals	m <sup>2</sup>	143		
8	Ceilings and cornices ("White" colour group)	m <sup>2</sup>	155		
	<b>Total Amount Carried to Final Summary</b>				

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Item	Description	Unit	Qty	Rate	Amount
<b>L</b>	<b>Bill No. 12</b>				
	<b>PROVISIONAL SUMS</b>				
	<b>Plumbing and Drainage</b>				
1	Contractor is requested to study drawing carefully and provide all plumbing installation of WC's, accessories, WHB's, t/rails, toilet holders and wooden blinds to all windows, <b>NB: Coral dual top flush toilet suite and coral</b> , WHB white with pedestals complete with mixers, valves, "S" trap etc.	Item	1		
	<b>General Electrical Installations</b>				
3	Contractor need to do all electrical installations, including wall plugs, 4x4 plugs x 3 per office, 1 200mm double florecent lights in the hall, offices, kitchen and reception areas, patios lights to be Ceiling lights and external four sides to be flood lights or water resistance screwed lights, DB board, circuit breakers, and all electrical connections including addapters, glue etc.  a) Lightning arrester complete with fittings b) Contractor to provide CoC c) 1.2m double Fluoroscent lights including starters	Item	1		
	<b>Kitchen equipment installation</b>				
5	Provide 4 plates free standing stove fitted, connect including isolater and 1.2m sink fitted to cabinet with wood work top, doors and including star pillar mixer and waste pipe, trap and gulley installation.	Item	1		
	<b>Water Tank</b>				
7	Contractor is requested to install 4000l watertank placed on top of 2m x2m x 900mm high brick work filled with compacted hardcore 80mm concrete on top with gutters, brackets etc, from the roof including down pipes and pipes sloping to the tank	Item	1		
	<b>Total Amount C/F</b>				

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	Amount B/F				
8	<b>Septic Tank</b> Contractor to construct septic tank, including 110mm PVC drainage pipes, bends, reduces, inspection eyes and accessories (Refer to DWG No. DIS 001), connect also water to the structure with all valves, vent pipes gulleys etc.	Item	1		
10	<b>Fence</b> Contractor is requested to erect high quality diamond wire mesh fence with posts, stays, bolts, straining wires, concrete encase etc. Security fence 2,4mm high vertically with 500mm wide 5 degree overhang to one side, of Y section standards with overhang at not exceeding 3,5m centres, with 50 strands of 1,2mm straining wire and 50 strands of type barbed wire tied to standards, posts and eye bolts and the vertical height covered with 50 x 50 x 1.2mm diamond wire mesh tied at 200mm centres to each straining wire	Item	1		
	Total Amount C/F				



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	<b>Gates</b>				
12	Double gate of 50mm diameter framing, 2,2mm x 2,4m high vertically with both stiles extended at top to form 500mm 5 degree overhang to suit security fencing and with one diagonal brace ,the vertical section covered with 500 x 500mm x 1,5mm diamond wire mesh and overhang with 3 strands of barbed wire including hinges, heavy duty lockable barrel bolt and nuts with washers including tumble pad lock	Item	1		
	<b>Sign Boards</b>				
16	Supply of Chromadek Sign Board with SAFCOL Art work: 100 x 100x2mm square tubing steel post bolted togetherand encased 500mm deep with 15MPa concrete hanged in the front of the gate to be shown by SAFCOL project team.  <b>NOTE:</b> Sign board art work to be provided by SAFCOL	No	1		
	Total Amount Carried to Final Summary				

## FINAL SUMMARY

Item	Description	Page	Total Amount
A	Bill No. 1: Preliminaries	1	R
B	Bill No. 2: Earth works.	2	R
C	Bill No. 3: Soil Poisoning	3	R
D	Bill No. 4: Concrete, formworks and reinforcement	5	R
E	Bill No. 5: Super structure brickwork	7	R
F	Bill No. 6: Roof Coverings, trusses, etc.	9	R
G	Bill No. 7: Windows and Cupboards	10	R
H	Bill No. 8: Ceiling	11	R
I	Bill No.9 : Tilling	12	R
J	Bill No.10: Glazing	13	R
K	Bill No.11 : Paint work	14	R
L	Bill No.12: Provisional Sums	17	R
	Sub-Total		R
	Allow 5% Contingencies		R
	Sub-Total		R
	15% VAT		R
	Total Amount Tendered		R