



**CONSTRUCTION OF TWO RESIDENTIAL UNITS IN ZULULAND  
DISTRICT MUNICIPALITY FOR THE OSS PROGRAMME IN KZN**

**BILL OF QUANTITIES**

ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	<b><u>Bill No.1</u></b> <b><u>EARTHWORKS</u></b>  <b><u>SITE CLEARANCE, ETC.</u></b>				
1	Digging up and removing top soil including boulders, rubbish, debris, vegetation, hedges, scrubs and trees	m2	250		
	<b><u>EXCAVATION, FILLING AND ACHIEVING LEVEL PLATFORM</u></b>  <b><u>Excavation in earth not exceeding 2m deep</u></b>				
2	To reduce levels under surface beds	m3	3		
3	Trenches average 800mm deep, including risk of collapse and keeping excavations free of water	m3	14		
	<b><u>Extra over trench and hole excavations in earth for excavation in</u></b>				
4	Soft rock	m3	1		
5	Hard rock	m3	1		
	<b><u>Extra over all excavations for carting away</u></b>				
6	Surplus material from excavations and / or stock piles on site to a dumping site to be located by contractor	m3	1		
	<b>Carried forward</b>				

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>Brought forward</b>				R 0,00
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density to the satisfaction of the engineer</u>				
9	Backfilling to trenches, holes, etc.	m3	11		
10	Under solid floors	m3	12		
	<b><u>SOIL POISONING</u></b>				
	<u>Soil insecticide with approved insecticide certificate</u>				
13	Under solid floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming.	m2	40		
	<b>Carried To Section Summary</b>				

## BILL OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b><u>Bill No.2</u></b>				
	<b><u>CONCRETE</u></b>				
	<b><u>REINFORCED CONCRETE</u></b>				
	<b><u>13MPa/19mm Concrete</u></b>				
1	Surface beds cast on waterproofing	m3	4		
2	Surface beds cast on waterproofing	m3	3		
	<b><u>UNREINFORCED CONCRETE</u></b>				
	<b><u>13MPa/19mm concrete in</u></b>				
3	Apron slabs cast in panels including for formwork to edges not exceeding 700mm wide, cast on 100uM dampproofing membrane (Black).	m3	2		
	<b><u>Finishing top surface of concrete smooth with a power float</u></b>				
4	Surface beds, slabs, etc	m2	40		
	<b><u>TEST BLOCKS</u></b>				
5	Making and testing of 150 x 150 x 150mm blocks to 13mpa strength though an approved testing facility	no	3		
	<b>Carried To Section Summary</b>				

**BILL OF QUANTITIES**

ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	<b>Bill No.3</b> <b>REINFORCEMENT (PROVISIONAL)</b>				
	<b>Mild steel reinforcement to structural</b> <b>concrete work</b>				
1	Reinforcing Steel 4Y12 - 6.8m	kg	68		
2	Reinforcing Steel R08	Kg	60		
3	Reinforcing Steel 2Y12	kg	76		
4	Ref. 193 mesh in slabs	m2	40		
	<b>Carried To Section Summary</b>				

**BILL OF QUANTITIES**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b><u>Bill No.4</u></b> <b><u>MASONRY</u></b>				
	<b><u>BLOCKWORK IN SUPERSTRUCTURE(PROVISIONAL)</u></b>				
	<b><u>Blockwork in "Big Max" cement blocks in Class II mortar, size 390 x 190 x 140mm: (M140)</u></b>				
1	External blocks	m2	70		
	<b><u>Blockwork in "Big Max" cement blocks in Class II mortar, size 390 x190 x 140mm: (M140)</u></b>				
2	Internal Blocks	m2	25		
	<b><u>Brickwork reinforcement</u></b>				
3	75mm Wide reinforcement built in horizontally.	m	80		
4	110mm Wide reinforcement built in horizontally.	m	160		
	<b><u>BLOCKWORK SUNDRIES</u></b>				
	<b><u>Prestressed fabricated lintels including necessary temporary supports:</u></b>				
5	Precast concrete lintel 0.7m	No	1		
6	Precast concrete lintel 1.2m	No	6		
7	Precast concrete lintel 1.0m	No	5		
	<b><u>Galvanised hoop iron cramps, ties, etc:</u></b>				
11	Air Vents plastic 230 x 150mm (Brown)	No	6		
	<b><u>FIBRE CEMENT WINDOW CILLS</u></b>				
12	15mm thick cills set sloping & slightly projecting.	m	6		
	<b>Carried To Section Summary</b>				

**BILL OF QUANTITIES**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p><b>Bill No.5</b>  <b><u>WATERPROOFING</u></b>   <b><u>DAMP PROOFING OF WALLS AND FLOORS</u></b>   <b><u>One layer of 375 micron "Consol Plastics</u></b>  <b><u>Brickgrip DPC" embossed damp proof course</u></b></p>				
1	Below walls	m2	8		
2	Below window sills	m2	2		
3	Under surface beds	m2	40		
	<b>Carried To Section Summary</b>				

**BILL OF QUANTITIES**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p><b>Bill No.6</b>  <b><u>ROOF COVERINGS</u></b></p> <p><b><u>CORRUGATED METAL SHEETING AND ACCESSORIES</u></b></p> <p>Roof trusses to be manufactured in accordance with SABS 0163: Code of Practice for the Design of Timber Structures and Engineers Certificate to be provided to the client.</p> <p><b><u>0.50mm thick ibr z275 or 0.47mm thick widenedeek znal az150 profile roof sheet or similar fixed to galvanized Lip channel purlins beams or rails with WITH 28mm X 6mm TOP SPEED / TEX SCREWS to galvanized purlins placed on 30x40x30x1,6 Pre galvanized u-channel wall plate and with 1.6mm thick x30mm wide GMS hoop iron straps lapped back set into 3 courses blockwork filled with 15 Mpa concrete in strict accordance with manufacturer's specifications.</u></b></p>				
1	Roof covering with pitch not exceeding 11 degrees. (Roof measured Complete ).	m2	46		
2	Forming cranked at centre for ridge capping to suit roof profile as per DETAIL No.3 on drawing.	m	9		
	<b>Carried To Section Summary</b>				



**BILL OF QUANTITIES**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p><u>Bill No.7</u>  <u>CARPENTRY &amp; JOINERY</u></p> <p>DOORS, ETC.</p> <p><u>40mm Frame ledged, braced and batten door, hung to galvanized steel frames (elsewhere measured): (External)</u></p>				
1	Single door, size 813 x 2032mm high.	No	2		
	<p><u>40mm "Hardboard" hollow core flush panel door hung to galvanized steel frames (elsewhere measured): (Internal)</u></p>				
1	Single door, size 813 x 2032mm high.	No	3		
	<p><u>FIBRE-CEMENT BOARD SURFACES</u></p>				
3	Fascias and barge boards not exceeding 300mm girth	m	26		
	Carried To Section Summary				

**BILL OF QUANTITIES**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p><b><u>Bill No.8</u></b>  <b><u>CEILINGS, PARTITIONS, ACCESS FLOORING</u></b></p> <p><b><u>CEILING CONSTRUCTION, CORNICES, ETC</u></b></p> <p><b><u>PVC WHITE MATT OVERLAP</u></b></p>				
1	7.0mm white Matt PVC interlocking ceiling sheets with 50mm x 50mm panels 250mm wide screwed to every batten with broad wafer head screws, including 38 x 38mm batten handers at 1M centres secured to 75x50x20x2 Purlin Beams with 2x65mm s/t 6mm screws.	m2	40		
2	80mm thick insulation laid in cavity by specialist to comply with SANS 10400 XA	m2	40		
	<p><b><u>Polystyrene</u></b></p>				
3	polystyrene cornice against all walls with an apex joiner strip.	m	50		
	<b>Carried To Section Summary</b>				

**BILL OF QUANTITIES**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p><b><u>Bill No.9</u></b>  <b><u>IRONMONGERY</u></b></p> <p><b><u>IRONMONGERY FIXED TO DOORS, ETC.</u></b></p> <p><b><u>LOCKS</u></b></p>				
1	Three lever "CZ 69424955" mortice lockset complete with lockset and door furniture.	No	2		
2	Two lever "CZ 69424955" mortice lockset complete with lockset and door furniture.	No	3		
	<b>Carried To Section Summary</b>				

**BILL OF QUANTITIES**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>Bill No.10</b> <b><u>METALWORK</u></b>  <b><u>SUNDRY STEELWORK</u></b>  <b><u>1.2mm Thick "Durowin" rebated frames suitable for 140mm wide block walls, with and including ironmongery and red oxide paint finish:</u></b>				
1	Frame for door 813 x 2032mm high.	No	3		
	<b><u>1mm Thick "Durowin" rebated frames suitable for 140mm wide block walls, with and including ironmongery and red oxide paint finish:</u></b>				
2	Frame for door 813 x 2032mm high.	No	2		
	<b><u>STEEL WINDOWS, DOORS, ETC.</u></b>  <b><u>1.2mm Thick "Durowin Type F7" residential windows complete with ironmongery, paint, etc. and fixing to brickwork or concrete:</u></b>				
3	Window, type W1, size 1022 x 949mm high.	No	5		
4	Window, type W2, size 533 x 654mm high.	No	1		
	<b>Carried To Section Summary</b>				

**BILL OF QUANTITIES**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b><u>SECTION 11</u></b>				
	<b><u>PLASTERING</u></b>				
	<b><u>EXTERNAL PLASTER</u></b>				
	<b><u>One coat "Cemcrete-Stipplecoat" waterproof cement based textured finish to approved colour, prepared and applied in strict accordance with the manufacturer's instruction</u></b>				
1	On walls	m2	70		
2	On walls in narrow widths	m2	2		
	<b><u>INTERNAL PLASTER</u></b>				
3	On walls	m2	90		
4	On walls in narrow widths	m2	5		
	<b><u>SCREEDS</u></b>				
	<b><u>Screeds on concrete with smooth finish to receive polish</u></b>				
5	10mm Thick on floors	m2	40		
	<b>Carried To Section Summary</b>				

**BILL OF QUANTITIES**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>Bill No.12</b>				
	<b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b>				
	<b><u>uPVC gutters and rainwater pipes:</u></b>				
2	Half-round roof 100mm PVC gutters	m	17		
3	Adjustable gutter bracket-fixed into top block.	No	14		
4	Rainwater downpipes	m	10		
5	Extra over gutter for stopped end	No	2		
6	Extra over gutter for angle	No	4		
7	Extra over gutter for outlet for pipe	No	1		
8	Extra over rainwater pipe for bend	No	2		
9	Extra over rainwater pipe for shoe	No	1		
	<b><u>WATER TANKS, ETC</u></b>				
10	2500L polycon aproved Jojo tank embedded in raft foundation stand sitting on reinforced concrete foundation as per bending schedule attached on drawing tank stand with Compacted fill to 95% MOD ,750mm precast contrete splay, including access inlet hole, Brass water tap and suitable two wires encased in hose pipe fixed to hooks cast into concrete	No	1		
	<b>Carried To Section Summary</b>				

**BILL OF QUANTITIES**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b><u>Bill No.13</u></b> <b><u>PAINTWORK</u></b>				
	<b><u>ON FLOATED PLASTER</u></b>				
	<b><u>Prepare and apply one primer and two coats interior quality emulsion paint</u></b>				
1	On internal walls	m2	90		
2	On External walls	m2	70		
	<b><u>ON FIBRE-CEMENT</u></b>				
3	On fascias and bargeboards	m	15		
	<b><u>ON WOOD</u></b>				
	<b><u>One coat wood primer, one undercoat and two coats high gloss enamel paint</u></b>				
4	On doors	m2	16		
	<b><u>Three coats polyurethane semi-gloss varnish</u></b>				
5	On doors	m2	16		
	<b>Carried To Section Summary</b>				

**BILL OF QUANTITIES**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p><b><u>Bill No.14</u></b>  <b><u>GLAZING</u></b></p> <p><b><u>PREAMBLES</u></b></p> <p>For Preambles refer to "Department of Public Works: Specification of Materials and</p> <p><b><u>GLAZING TO STEEL WITH PUTTY</u></b></p> <p><b><u>3mm Clear float glass:</u></b></p> <p>1 Panes exceeding 0.1m2 and not exceeding 0,5</p> <p><b><u>3mm Obscure float glass:</u></b></p> <p>2 Panes exceeding 0.1m2 and not exceeding 0,5m2</p> <p style="text-align: right;"><b>Carried To Section Summary</b></p>		<p>9</p> <p>0,34</p>		



**BILL OF QUANTITIES**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1	<p><b>Bill No.15</b>  <b><u>PROVISIONAL SUMS</u></b></p> <p>All provisional sums cover supply of material and equipment and installation where applicable by firms of specialists. Provisional sums are nett and do not include under "profit" items any profit he considers necessary.</p> <p>The tenderer is referred to Clause B7.3 in the adjustment of "attendance".</p> <p><b><u>SELECTED CONTRACTORS</u></b></p> <p>THE FOLLOWING PROVISIONAL SUMS ARE FOR WORK TO BE EXECUTED BY SELECTED SUBCONTRACTORS</p> <p>The following Provisional Sums are for specialists work to be executed by a Selected Sub-contractor who upon appointment in terms of the Conditions of Contract shall be deemed to be a Domestic Sub-contractor to the Contractor.</p> <p><b><u>Ablution facilities</u></b></p> <p><b><u>Supply and installation of VIP Toilet work:</u></b></p> <p>Supply and install Conloo precast ventilation improved (VIP toilet) mark 4 type toilet with concrete roof, precast concrete pit, excavation to a depth of not less then 2m from ground level.</p> <p style="text-align: right;"><b>Carried To Section Summary</b></p>	Psum			

**BILL OF QUANTITIES**

BILL	DESCRIPTION	PAGE			AMOUNT
	<b><u>SECTION 1 - SUMMARY</u></b>				
1	Earthworks	1			
2	Concrete	2			
3	Reinforcement	3			
4	Masonry	4			
5	Waterproofing	5			
6	Roofcoverings	6			
7	Carpentry & Joinery	7			
8	Ceilings	8			
9	Ironmongery	9			
10	Metalwork	10			
11	Plastering	11			
12	Plumbing	12			
13	Paintworks	13			
14	Glazing	14			
15	Provisional Sum	15			
	<b>TOTAL TO FINAL SUMMARY</b>				

## BILL OF QUANTITIES

ITEM	DESCRIPTION	PAGE			AMOUNT
	<b><u>FINAL SUMMARY</u></b>				
	THE CONSTRUCTION OF A RESIDENTIAL UNIT IN KWA-NONGOMA				
	THE CONSTRUCTION OF A RESIDENTIAL UNIT IN OPHONGOLO				
	Subtotal				
	VAT NIL. (Quantum Rates are VAT Inclusive)				NIL
	<b>TOTAL AMOUNT: (CONSTRUCTION OF TWO RESIDENTIAL UNITS IN ZULULAND DISTRICT)</b>				

