

Item No		Quantity	Rate	Amount
	<u>BILL NO. 2</u>			
	<u>ALTERATIONS</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades and to the Supplementary Preambles which are incorporated at the back of these Bills of Quantities.			
	<u>TEMPORARY BARRICADES, SCREENS, ETC.</u>			
	<u>Temporary barricades, screens, etc., including removal:</u>			
1	Dust screen 3500mm high between buildings, formed of suitable timber framing with shade net stapled on, including corners, ends, etc.	m	80	
	<u>REMOVAL OF EXISTING WORK</u>			
	<u>Break down and remove blockwork, etc., plastered or tiled one or both sides, complete with sundry lintols, cills, copings, etc.:</u>			
2	230mm Thick block wall	m2	30	
	<u>Carefully take out and remove doors, windows, etc., including thresholds, cills, etc., from blockwork to be re-used somewhere else:</u>			
3	Timber single door and frame not exceeding 2,5m2	No	2	
4	Garage door	No	2	
	<u>Take down and remove roofs, ceilings, etc.:</u>			
5	Roofs in IBR corrugated iron sheets and the like including timber roof structure, fascias, barge boards, gutters and down pipes etc	m2	300	
6	Ceilings and cornices etc.	m2	300	
	<u>Hack up and remove tiles etc:</u>			
7	Wall tiles	m2	24	
	Carried Forward			R
	Bill No. 2 ALTERATIONS			

WATERBERG TVET COLLEGE - Rooiwal Farm Garage Alterations

Brought Forward			R
8	Floor tiles	m2	120
	<u>Take out and remove electrical works to including disconnecting conduits & wiring etc:</u>		
9	Electrical works	m2	80
	<u>Take out and remove piping, sanitary fittings, etc., including disconnecting piping from fittings:</u>		
10	50mm PVC piping	m	20
11	110mm PVC piping	m	15
	<u>PREPARATORY WORK TO EXISTING SURFACES</u>		
	<u>Repairing structural cracks by raking out crack to a "V" shape for a depth of 15mm applying a bonding agent with chicken wire mesh inserted in cracks and making good and flush to surrounding surfaces, etc:</u>		
12	Structural cracks in blockwork.	m2	90
13	Cut through existing 230mm blockwork and carefully remove 3 courses blockwork to accomodate new concrete ring beam	m2	24
	<u>CARTAWAY OF DEBRIS</u>		
	<u>Extra over all demolition debris for loading, carting and dumping surplus material:</u>		
14	Off site to a dumping site to be authorised by the Municipality	m3	200
	Carried to Summary		
	Bill No. 2 ALTERATIONS		R

Brought Forward			R
	<u>Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):</u>		
8	Off site to a dumping site to be found by the Contractor	m3	35
	<u>EARTH FILLING, ETC.</u>		
	<u>Filling with material from the excavations compacted to a density of at least 95% Mod. AASHTO maximum density:</u>		
9	Backfilling to trenches, holes, etc.	m3	18
	<u>Filling with G5 gravel material supplied and carted onto site by the Contractor, compacted to a density of at least 95% Mod. AASHTO maximum density:</u>		
10	Under floors, trenches, apron, etc.	m3	14
	<u>Filling with insitu material ripped and recompacted material from excavation by the Contractor, compacted to a density of at least 93% Mod. AASHTO maximum density:</u>		
11	Rip, scarify as necessary and compact natural ground and/or excavated surfaces to a density of at least 95% of Mod. AASHTO maximum density for a depth of 150mm under roadways	m2	47
	<u>Coarse river sand filling compacted to 95% Mod. AASHTO maximum density:</u>		
12	Blinding layer under surface beds	m3	2
	<u>KEEPING EXCAVATIONS FREE OF WATER</u>		
13	Allow for keeping excavations free of water (other than subterranean water) by hand or machinery		Item
	<u>TESTS</u>		
	<u>Prescribed density tests on filling:</u>		
14	"Modified AASHTO Density" test	No	8
	<u>SOIL POISONING</u>		
	Carried Forward		
	Bill No. 3 EARTHWORKS		R

Item No		Quantity	Rate	Amount
	<u>BILL NO. 4</u>			
	<u>CONCRETE, FORMWORK & REINFORCEMENT</u>			
	<u>UNREINFORCED CONCRETE</u>			
	<u>Concrete 10 MPa/10mm stone in:</u>			
1	Blinding under footings	m3	1	
2	Filling to hollow walls in foundations	m3	1	
	<u>REINFORCED CONCRETE</u>			
	<u>Concrete 25 MPa/19mm stone in:</u>			
3	Wall footings	m3	9	
4	Surface beds and thickenings	m3	8	
5	Cantilever slabs	m3	8	
6	Ringbeam	m3	9	
7	Apron	m3	8	
	<u>FINISH TOP OF CONCRETE</u>			
	<u>Finish top of concrete smooth with a wood float:</u>			
8	Pavings, surface beds, slabs, etc to falls	m2	26	
	<u>CONCRETE TESTING</u>			
9	Allow for making set of three concrete test cubes, sending to an approved testing authority for testing and paying all charges in connection therewith (Provisional)	No	30	
	<u>ROUGH FORMWORK</u>			
	<u>Rough formwork to:</u>			
10	Soffits of cantilever slabs including propping exceeding 3.5m and not exceeding 5m high	m2	12	
	Carried Forward			R
	Bill No. 4 CONCRETE, FORMWORK AND REINFORCEMENT			

WATERBERG TVET COLLEGE - Rooiwal Farm Garage Alterations

Brought Forward			R
11	Sides of wall beams	m2	19
12	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	47
13	Edges of concrete not exceeding 300mm high or wide	m	44
<u>MOVEMENT JOINTS, ETC.</u>			
<u>Expansion joints with 10mm "Sondor Jointex" closed cell expanded polyethylene preformed joint filler and hinged blocking piece:</u>			
14	Joints not exceeding 300mm high or wide between concrete and brick or block walls	m	30
<u>REINFORCEMENT</u>			
<u>Fabric reinforcement:</u>			
15	Type 395 fabric reinforcement in foundation	m2	16
16	Type 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	49
<u>Mild steel reinforcement to structural concrete work:</u>			
17	Bars of various diameters	t	3.42
<u>High yield stress steel reinforcement to structural concrete work:</u>			
18	Bars of various diameters	t	4.63
Carried to Summary			R
Bill No. 4			
CONCRETE, FORMWORK AND REINFORCEMENT			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 5</u>			
	<u>MASONRY</u>			
	<u>BRICKWORK</u>			
	<u>Plaster Brickwork of "Corobrik NFP" bricks in Class II mortar:</u>			
1	230 brick walls in foundations	m2	42	
2	230mm brick wall in superstructure	m2	103	
3	115mm brick wall in superstructure	m2	40	
	<u>BRICKWORK/BLOCKWORK SUNDRIES</u>			
	<u>Chip off projections, fill up crevices, cement wash with 1:6 cement and sand slurry and apply two coats "Brixeal" bitumen emulsion waterproofing coating:</u>			
4	On outer face of inner skin of brick walls including any additional labour required in raising wall in two separate skins and working around wire ties and/or reinforcing fabric	m2	40	
	<u>BRICKWORK SUNDRIES</u>			
	<u>Brickwork reinforcement:</u>			
5	155mm Wide reinforcement built in horizontally	m	385	
	<u>Galvanised hoop iron cramps, ties, etc:</u>			
6	30 x 1,6mm Roof tie 1,5m long with one end fixed to timber and other end cast into concrete	No	50	
	<u>FIBRE-CEMENT CILLS</u>			
	<u>Natural grey cills in single lengths bedded in Class I mortar including metal fixing lugs, etc:</u>			
7	15 x 150mm Wide cills set sloping and projecting	m	12	
	Carried to Summary			
	Bill No. 5 MASONRY			R

Item No		Quantity	Rate	Amount
	<u>BILL NO. 6</u>			
	<u>WATERPROOFING</u>			
	<u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u>			
	<u>Derbigum' SP4 waterproofing protected with aluminium paint on sand-cement screed with min thickness of 50mm fall on Isoboard insulation on.</u>			
1	Concrete Slabs	m2	12	
	<u>PROTECTIVE ROOFING PAINT</u>			
	<u>One coat "ABE Silvakote" bituminous aluminium paint</u>			
2	Concrete Slabs etc	m2	12	
	<u>DAMPPROOFING OF WALLS AND FLOORS</u>			
	<u>One layer 375 micrometre 'Gunplas Brikgrip' embossed polyethylene damp proof course:</u>			
3	In walls.	m2	11	
	<u>One layer 250 micrometre "Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape":</u>			
4	Under surface beds	m2	14	
	<u>JOINT SEALANTS, ETC</u>			
	<u>"Polymastic" non-hardening waterproofing compound in pointing all round frames at junction with blockwork or concrete and leave perfectly watertight :</u>			
5	Steel window or door frames	m	26	
	<u>Approved sealing compound including backing cord, bond breaker, primer, etc</u>			
6	8 x 30mm In expansion joints in floors	m	30	
7	6 x 10mm In saw cut joints in floors	m	30	
	Carried to Summary			
	Bill No. 6 WATERPROOFING			R

Item No		Quantity	Rate	Amount
	<u>BILL NO. 7</u>			
	<u>ROOF COVERING, ETC</u>			
	<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
	<u>0,60mm "Brownbuilt" IBR pressed steel fittings with "Chromadek" baked enamel finish on one side roof covering:</u>			
1	Roof covering with a pitch of not exceeding 25 degrees	m2	300	
2	Ridge capping 460mm girth	m	32	
3	Narrow & broad polyclosures	m	64	
	<u>ROOF AND WALL INSULATION</u>			
	<u>"Sisalation 410" heavy industrial grade reinforced aluminium foil insulation:</u>			
4	Insulation laid taut over purlins (at approximately 1200mm centres) and fixed concurrent with roof covering, including galvanised steel straining wires	m2	300	
	Carried to Summary			
	Bill No. 7 ROOF COVERINGS			R

Item No		Quantity	Rate	Amount
	<u>BILL NO. 8</u>			
	<u>CARPENTRY AND JOINERY</u>			
	The Tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades and to the Supplementary Preambles which are incorporated at the back of these Bills of Quantities			
	<u>SEMI SOLID DOORS</u>			
	<u>Semi solid doors with commercial veneer covering on both sides, hung to steel frames:</u>			
1	40mm Door 813 x 2032mm high	No	4	
	<u>EXTERIOR QUALITY FRAMED DOORS, ETC</u>			
	<u>Wrot meranti doors hung to steel frames:</u>			
2	813 x 2032x44mm (horizontally slatted) meranti double sided door	No	4	
	<u>"Everite" pressed nutec-cement:</u>			
3	15 x 225mm Fascias and bargeboards including galvanised steel H-profile jointing strips	m	62	
	Carried to Summary			
	Bill No. 8			R
	CARPENTRY AND JOINERY			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 9</u>			
	<u>CEILING AND PARTITIONS</u>			
	The tenderer is referred to the relevant Clauses in the separate document Model Preamble for Trades and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities			
	<u>NAILED UP CEILINGS</u>			
	<u>6,4mm "Rhino" gypsum plasterboard with 32mm wrot meranti half round cover strips over joints:</u>			
1	Ceilings including 38 x 38mm sawn softwood brandering at 400mm centres and at all perimeter edges	m2	230	
2	Extra over ceiling for 600 x 600mm trap door formed of 42 x 42mm wrot softwood rebated framing with one 38 x 38 sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	3	
	<u>"Rhino" gypsum plasterboard cornices:</u>			
3	75mm Coved cornices	m	214	
	Carried to Summary			R
	Bill No. 9 CEILING, PARTITIONS AND ACCESS FLOORING			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 10</u>			
	<u>IRONMONGERY</u>			
	The Tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades and to the Supplementary Preambles which are incorporated at the back of these Bills of Quantities			
	<u>HINGES, BOLTS, ETC</u>			
	<u>" Dorma" or similar and or equally approved:</u>			
1	Dorma stainlesssteel WC indicator with 79mm turn knob for physically impaired -Code DWC-006	No	3	
	<u>LOCKS</u>			
	<u>" Dorma" or similar and or equally approved:</u>			
2	Dorma stainlesssteel euro profile escutcheon - Code DCE 002	No	8	
	<u>HANDLES</u>			
	<u>" Dorma" or similar and or equally approved:</u>			
3	DORMA solid stainlesssteel lever handles with rose and cylinder hole escutcheons-Code SH810	No	8	
	<u>LETTERS, NAMEPLATES, ETC.</u>			
	<u>"Dorma" or similar and or equally approved:</u>			
4	DORMA DSS-130 stainless steel 150x150mm TOILET sign or similar and or equally approved	No	3	
5	290 x 290mm Extinguisher signs	No	3	
	<u>WINDOW BLINDS</u>			
	<u>"Dorma" or similar and or equally approved:</u>			
6	Anodised aluminium blinds including all fixing brackets, stopped ends, bends, etc., with brackets plugged	m	20	
	Carried Forward			R
	Bill No. 10 IRONMONGERY			

WATERBERG TVET COLLEGE - Rooiwal Farm Garage Alterations

Brought Forward			R
<u>BATHROOM FITTINGS</u>			
<u>"Dorma" or similar and or equally approved:</u>			
7	Bidvest steiner 2 roll toilet roll holder, lockable	No	3
8	Toilet brush set with holder and wall mounting screws and rawl plugs CODE: AC-0113-100-SAINT SAVANS	No	3
9	Bidvest steiner refillable soap dispenser, sateen	No	3
10	Bidvest steiner she sanitary bin, sateen	No	3
<u>SUNDRIES</u>			
<u>"Dorma" or similar and or equally approved:</u>			
11	Dorma stainlesssteel hat and coat hook with rubber buffer Code DHC-SS-031-B	No	6
12	DORMA DDS-NP-018 nickel plated floor stop or similar and or equally approved	No	8
Carried to Summary			R
Bill No. 10 IRONMONGERY			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 11</u>			
	<u>METALWORK</u>			
	<u>PRESSED STEEL DOORS AND FRAMES</u>			
	<u>1,6mm Double rebated frames including one pair heavy duty brass butt hinges per door leaf suitable for one brick walls</u>			
1	Frame for door size 813 x 2032mm high	No	2	
	<u>1,6mm Double rebated frames including one pair heavy duty brass butt hinges per door leaf suitable for half brick walls</u>			
2	Frame for door size 813 x 2032mm high	No	4	
	<u>ALUMINIUM WINDOWS AND DOORS.</u>			
	<u>Purpose made "CHARCOAL GREY" anodised powder coated aluminium window frames with and including toughed 4.0mm thick clear float glass:</u>			
3	Window size 1500x1200mm high - W1	No	4	
4	Window size 900x900mm high - W2	No	3	
	<u>FULL BORES</u>			
	<u>Extra on galvanised steel fullbore inlets:</u>			
5	Saint-Gobain 90 degrees side roof threaded outlet-3585 dome type	No	5	
	Carried to Summary			R
	Bill No. 11 METALWORK			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 12</u>			
	<u>PLASTERING</u>			
	<u>SCREEDS</u>			
	<u>Screeds (1:3) as described on concrete:</u>			
1	50mm Thick screed to falls	m2	12	
2	25mm Thick on floors and landings	m2	14	
	<u>INTERNAL PLASTER</u>			
	<u>One coat cement plaster (1:5) as described on blockwork on:</u>			
3	Walls	m2	640	
4	Narrow widths	m2	64	
5	Concrete soffits	m2	12	
	<u>SKIM PLASTER</u>			
	<u>One coat rhino plaster (1:5) as described on brickwork on:</u>			
6	Gypsum board plastered ceiling	m2	230	
	<u>EXTERNAL PLASTER</u>			
	<u>One coat cement plaster (1:5) as described on blockwork on:</u>			
7	Walls	m2	65	
8	Narrow widths	m2	13	
	Carried to Summary			R
	Bill No. 12 PLASTERING			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 13</u>			
	<u>TILING</u>			
	<u>WALL TILING</u>			
	<u>Porcelain wall tiles size 600 x 200 (P.C.E 350/m2) as described fixed with adhesive to plaster (plaster elsewhere measured) on:</u>			
1	Walls	m2	63	
2	Narrow widths	m2	6	
	<u>FLOOR TILING</u>			
	<u>600 x 600mm "Porcelain " or similar and or equally approved floor tiles (P.C. E 360/m2) fixed with adhesive to powerfloated or screed surfaces (elsewhere measured):</u>			
3	On floors	m2	230	
4	Narrow widths	m2	12	
5	100mm skirting	m	214	
	<u>SUNDRIES</u>			
	<u>Extra over for tiling :</u>			
6	Transition stainlesssteel strip	m	214	
	Carried to Summary			
	Bill No. 13			
	TILING			
			R	

Item No		Quantity	Rate	Amount
	<u>BILL NO. 14</u>			
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>			
	<u>SOIL DRAINAGE</u>			
	<u>Underground sewer and drainpipe grade rigid UPVC pipes:</u>			
1	110mm Pipe fixed vertically in ground (no excavation)	m	18	
2	110mm Pipe laid in ground including excavation exceeding 1m deep and not exceeding 2m deep	m	60	
	<u>Extra on UPVC piping for the following fittings:</u>			
3	110mm Bend	No	5	
4	110mm Access bend	No	5	
5	110mm Access junction	No	5	
6	110mm Diameter gulley trap jointed to drain, complete with hopper head and grid and the whole set on and encased in un reinforced concrete Class B 15/20 carried up 75mm above ground as kerb, dished down to grating and finished on all exposed faces in 1:3 cement render with angles rounded, including necessary excavation and formwork	No	4	
	<u>Inspection chambers and manholes:</u>			
7	Excavate for and build inspection chamber fitted with 450 x 600mm x 124kg cast iron double seal manhole cover and frame. Size internally 450 x 600 x average 1100mm deep	No	2	
	<u>SANITARY FITTINGS</u>			
	<u>Supply, fix, clean, wash and leave in a satisfactory condition the following items of medical sanitaryware:</u>			
	All rails, brackets, etc., where not bolted are to be fixed with long heavy gauge brass screws into approved expanding plugs			
	Carried Forward			R
	Bill No. 14 PLUMBING AND DRAINAGE			

WATERBERG TVET COLLEGE - Rooiwal Farm Garage Alterations

Brought Forward			R
8	Vaal orchid wall hung pan, geberit kombifix concealed cistern with geberit sigma 50 stainless steel actuator plate. Complete with all accessories.	No	3
9	Cobra square sit on basin set including waste and trap elsewhere measured	No	3
10	Vaal Porteries or similar and or equally approved BS401 (900x900x150mm deep Shower Tray & Clear view door 900x1800mm high. Manufactured from Grade 304 (18/10) Stainless Steel, 1.2mm gauge. Unit with radiused corners and a patterned base, with 40mm apron all round and 38mm BSP integrated waste outlet CODE 359995	No	3
11	Franke single end double bowl sink	No	3
<u>SANITARY PLUMBING</u>			
<u>Unplasticized polyvinyl chloride (UPVC) pipes:</u>			
12	50mm Pipe	m	27
13	110mm Pipe	m	30
<u>Extra on UPVC piping for the following fittings:</u>			
14	50mm Vent cowl	No	3
15	110mm Vent cowl	No	3
16	50mm Bend	No	9
17	110mm Bend	No	3
18	50mm Access bend	No	9
19	110mm Access bend	No	3
20	50mm Junction	No	9
21	110mm Junction	No	3
22	50mm Access junction	No	4
23	110mm Access junction	No	3
Carried Forward			R
Bill No. 14 PLUMBING AND DRAINAGE			

WATERBERG TVET COLLEGE - Rooiwal Farm Garage Alterations

Brought Forward			R
24	110mm Pan piece with enlarged socket for and joint to outlet of W.C. pan	No	3
25	50mm Vent valve	No	3
26	110mm Vent valve	No	3
<u>TRAPS</u>			
<u>Brass traps, waste unions, etc:</u>			
27	Shallow seal P trap with chrome plated grating Code 373SQ - TRAP	No	6
28	Gio A181 0 32 Bottle trap round 32 x 32 DBA 181	No	3
<u>WATER SUPPLIES AND FIRE SERVICES</u>			
<u>Class 460/0 copper pipes:</u>			
29	15mm Pipe	m	72
30	22mm Pipe	m	80
<u>Extra over class 460/0 copper pipes for the following copper capillary fittings:</u>			
31	15mm Fitting	No	60
32	22mm Fitting	No	60
<u>Extra over Class 460/0 copper pipes for the following brass compression fittings:</u>			
33	15mm Fitting	No	60
34	22mm Fitting	No	60
<u>Extra over Class 460/1 copper pipes for the following capillary fittings:</u>			
35	15mm Fitting	No	60
36	22mm Fitting	No	60
Carried Forward			R
Bill No. 14 PLUMBING AND DRAINAGE			

WATERBERG TVET COLLEGE - Rooiwal Farm Garage Alterations

Brought Forward			R
<u>Extra over Class 460/1 copper pipes for the following brass compression fittings:</u>			
37	15mm Fitting	No	60
38	22mm Fitting	No	60
<u>Class 16 UPVC pressure pipes:</u>			
39	32mm Pipe laid in ground including excavation not exceeding 1m deep	m	30
<u>Extra over UPVC pressure pipes for the following HDPE PN16 pressure fittings:</u>			
40	32mm HDPE PN 16 fittings	No	6
<u>Extra over UPVC pressure pipes for the following cast iron pressure fittings:</u>			
<u>TAPS, VALVES, ETC</u>			
41	Cobra or similar and or equally approved (Taps & Mixers) - Townhouse - Shower - Chrome - Shower Rose	No	3
42	Cobra or similar and or equally approved (Taps & Mixers) - Cobra - Shower - Chrome - Shower arm 158mm	No	3
43	DA-061 shower diverter by Cobra.	No	3
44	Single lever basin mixer CODE BE-951-BASIN MIXER with 1/2" BSP female inlets SANS 1480 with basin mixer 1/2" female iron 400mm long flexible hoses with 6L/minute flow restrictor with spare part of flat cartridge S-SE950-1-F, connection tubes C-M110X1/2, handles S-BE950-3A	No	3
45	Pillar type sink mixer, 15mm complete with sink waste	No	3
46	15mm Chromium plated "Master Ballostop" or similar and/or equally approved in-line flow control and shut-off valve and joints to copper pipes	No	3
47	15mm Brass screw down stoptap as "Cobra 131" or similar and/or equally approved and joints to copper pipes	No	6
Carried Forward			R
Bill No. 14 PLUMBING AND DRAINAGE			

WATERBERG TVET COLLEGE - Rooiwal Farm Garage Alterations

Brought Forward			R
48	22mm Brass screw down stoptap as "Cobra 131"_or similar and/or equally approved and joints to copper pipes	No	6
49	22mm Brass screw down bib-tap with and including hose connection as "Cobra 108"_or similar and/or equally approved and joint to brass connector (elsewhere measured)	No	6
50	15mm Chromium plated brass screw down bib-tap as "Cobra 106 Star"_or similar and/or equally approved complete with chromium plated extension piece 75mm long with wall flange as "Cobra 059"_or similar and/or equally approved and joint to brass connector (elsewhere measured)	No	3
51	22mm Brass fullway screw down wheelhead gate valve as "Cobra 1003/125"_or similar and/or equally approved and joints to copper pipes	No	3
52	22mm Vacuum breaker as "Cobra PB1.10"_or similar and/or equally approved and joint to brass connector (elsewhere measured)	No	6
53	25mm Safety valve as "Braukmann KB 1.51" or simillar and joint to tank and brass connector (elsewhere measured)	No	3
54	50mm Pressure control valve as "Braukmann DO6F KA2.24" or simillar fitted with and including pressure gauge as "Braukmann KA2.240", and joint to brass connector (elsewhere measured)	No	3
<u>ELECTRIC WATER HEATERS</u>			
<u>"Kwikot":</u>			
55	100 litre "Kwikot Megaflo" horizontal type hot water heater with two kilowatt element and emergency over-pressure relief valve, and hoist and place in position on bearers (elsewhere measured) in roof space and connections to two 22mm copper pipes including connectors (Electrical Connection by Electrician)	No	3
<u>FIRE APPLIANCES, ETC</u>			
Carried Forward			R
Bill No. 14 PLUMBING AND DRAINAGE			

WATERBERG TVET COLLEGE - Rooiwal Farm Garage Alterations

Brought Forward			R
<u>"Chubb" or similar and or equally approved:</u>			
56	2,5kg Ozone friendly BCF fire extinguisher	No	3
57	4.5kg Ozone friendly dry chemical fire extinguisher	No	3
58	4,5kg Ozone friendly carbon dioxide fire extinguisher	No	3
<u>TESTING</u>			
59	Allow for testing the whole of the Sanitary Plumbing, Water Supplies and Fire Services to the satisfaction of the Architect and Local Authorities. All defective work is to be taken out and replaced at the Contractor's expense and the whole re-tested until found satisfactory	Item	
Carried to Summary			R
Bill No. 14 PLUMBING AND DRAINAGE			

WATERBERG TVET COLLEGE - Rooiwal Farm Garage Alterations

Brought Forward			R
<u>One coat undercoat and two coats gloss enamel on:</u>			
9	Internal doors	m2	13
10	Cills not exceeding 300mm girth	m	12
<u>Three coats polyurethane clear varnish</u>			
11	General surfaces of external doors.	m2	13
Carried to Summary			R

Bill No. 16
PAINTWORK

Item No		Quantity	Rate	Amount
	BILL NO. 17			
	NOMINATED SUBCONTRACTORS			
	NOMINATED SUBCONTRACTORS			
	<u>Electrical Installation</u>			
1	Allow the NETT provisional amount of R200 000.00 (Two Hundred Thousand, Rands) for electrical installation executed complete	Item		200,000.00
2	Profit	Item		
3	Attendance	Item		
	<u>Bedroom Cupboards installation</u>			
4	Allow the NETT provisional amount of R85 000.00 (Eighty Five Thousand Rands) for bedroom cupboards installation executed complete	Item		85,000.00
5	Profit	Item		
6	Attendance	Item		
	<u>Kitchen Fittings Installation</u>			
7	Allow the NETT provisional amount of R95 000.00 (Ninety Five Thousand Rands) for kitchen fittings installation executed complete	Item		95,000.00
8	Profit	Item		
9	Attendance	Item		
	<u>Stoves, Microwaves, Washing Machines, Tumble Dryers Installation</u>			
10	Allow the NETT provisional amount of R85 000.00 (Eighty Five Thousand Rands) for stoves, washing machine, microwave and tumble dryers installation executed complete	Item		85,000.00
11	Profit	Item		
	Carried Forward			
	Bill No. 17 NOMINATED SUBCONTRACTORS		R	

Bill No	FINAL SUMMARY	Page No	Amount
1	PRELIMINARIES	1	
2	ALTERATIONS	3	
3	EARTHWORKS	6	
4	CONCRETE, FORMWORK AND REINFORCEMENT	8	
5	MASONRY	9	
6	WATERPROOFING	10	
7	ROOF COVERINGS	11	
8	CARPENTRY AND JOINERY	12	
9	CEILINGS, PARTITIONS AND ACCESS FLOORING	13	
10	IRONMONGERY	15	
11	METALWORK	16	
12	PLASTERING	17	
13	TILING	18	
14	PLUMBING AND DRAINAGE	24	
15	GLAZING	25	
16	PAINTWORK	27	
17	NOMINATED SUBCONTRACTORS	29	
	SUBTOTAL A		R
	ADD: Contingencies 10% (ten percent) of the above sub total to be used as directed by the Principal Agent or deducted in whole or in part if not required		R
	SUB TOTAL B		R
	ADD: Escalation 5% (Five Percent) of the above sub total		R
	Carried Forward		R

Bill No	<u>FINAL SUMMARY</u>	Page No	Amount
	Brought Forward		R
	SUB TOTAL C		R
	ADD: Value Added Tax 15% (Fifteen percent) of the above sub total and remit to SARS as required		R
	TOTAL CARRIED FORWARD TO FORM OF TENDER		R
	Carried to Form of Tender		R