

MOGOTLANE COMMUNITY HALL (LNM054/2023/24)

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SECTION 1				
1	PRELIMINARIES				
	NOTE:				
	The amount allowed for in preliminaries priced in this section is fixed and will under no circumstances be adjusted				
1.1	Allow for all preliminaries and general responsibilities and obligations under this contract including insurance site establishment and etc	sum	1		
1.2	Project Name board	Num	2		
1.3	Provision for Employment of CLO	Prov Sum	1	R 36 000.00	R 36 000.00
1.4	PSC Meeting attendance	Prov Sum	1	R 12 000.00	R 12 000.00
1.5	Handling Cost and profit in respect of item 1.3 and 1.4	%	R48 000.00		
2	Provision for relocation of Existing services and Demolition of existing Structure	Prov sum	1	R 80 000.00	R 80 000.00
	TOTAL CARRIED TO SUMMARY				R

MOGOTLANE COMMUNITY HALL (LNM054/2023/24)

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT DUE
	<p>SECTION NO.2: BILL NO.1 EARTHWORKS, ETC FOUNDATIONS(PROVINSIAL)</p> <p>SUPPLEMENTARY PREAMBLES</p> <p>Nature of ground</p> <p>A soil investigation has not been carried out on site however provision has been made for the investigation to be made during construction</p> <p>The procurement of the Geo-specialist will follow the three quotation SCM procurement processes that must be approved by the municipality</p> <p>Carting away of excavated material</p> <p>descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building</p> <p>Note: unless otherwise stated herein, all items in this bill shall be deemed to fall into work group No 104 for JBCC CPAP purposes</p> <p>Excavate in compacted pickable material as defined not exceeding 2m deep below reduced or filled up ground level, part return, fill in and ram and remainder deposit on site where directed</p>				
1	Excavate for reduced levels under surface beds	m ³	106		
2	Excavate for surface trenches	m ³	101		
3	Excavate for holes	m ³	21		
4	Provisional sum for Geotechnical Investigation carried out during construction by Sub-consultant appointed by municipality	Pro Sum	1	100 000.00	R 100 000.00
5	Provisional sum for Environmental Management Plans and Investigations by Sub-consultant appointed by municipality	Pro Sum	1	100 000.00	R 100 000.00
6	Handling cost and profit in respect of item 4 and 5	%	200000		
7	Clearing of rocks and disposing@ a haulage maximum distance of 5Km	Pro Sum	1	100 000.00	R 100 000.00
	TOTAL CARRIED TO EARTHWORKS COLLECTION SUMMARY				R

MOGOTLANE COMMUNITY HALL (LNM054/2023/24)

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT DUE
	Sundries				
1	Extra over all excavations in compacted pickable material for excavation in soft rock as described	m ³	98		
2	Extra over all excavations in compacted pickable material for excavation in hard rock as described	m ³	140		
3	Allow for the risk of collapse to sides of excavation from ground level not exceeding 1.5 m deep	m ²	516		
4	Allow for keeping excavations free of water and mud by pumping or bailing	item	1		
	FILLING, ETC				
5	Excavated material in backfill, saturated to optimum moisture content compacted to 95% modified AASHTO into trenches, including haulage not exceeding 100m from the perimeter of the excavation	m ³	141		
6	Imported earth filling, supplied and carted onto the site by the contractor compacted to 95% modified AASHTO under solid floors	m ³	80		
7	50 mm thick layer aproved clean sand filling under surface beds	m ²	530		
8.00	Saturate ground under solid floors etc, with ant poisoning consisting of a 5% solution of pentachlorophenol in mineral oil, sprayed or poured onto ground with a coare rose using 4 litres of moisture of each square metre of surface area	m ²	670		
	TEST				
9.00	allow for the provision of density tests to be carried out by the contractor and pay all charges in connection therewith	item	1		
	TOTAL CARRIED EARTHWORKS COLLECTION SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p>SECTION NO. 2 BUILDINGS BILL NO. 2 CONCRETE, FORMWORK AND REINFORCEMENT</p> <p>For preambles see "Model Preambles for Trades</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Cost of tests</p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose of testing costs and for submitting reports on the tests of architect. the testing shall be undertaken by an independant firm or institution nominated by the contractor and to the approval of the architect. (test cubes measured separately)</p> <p>Formwork</p> <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or permanent") for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy before re-use. the vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.</p> <p>Formwork to soffits of (solid) slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.</p> <p>Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking risk of collapse of the side of excavations, provision for which is made in :Earthworks</p>				
	TOTAL CARRIED CONCRETE, FORMWORK SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SECTION NO. 2 BUILDINGS BILL NO. 2 CONCRETE, FORMWORK AND REINFORCEMENT Note: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 110 for JBCC CPAP Purposes.				
	UNREINFORCED CONCRETE				
	25Mpa/19mm concrete				
1	Surface beds	m3	15		
2	Aprons	m3	18		
	REINFORCED CONCRETE				
	25Mpa/19mm concrete				
3	Strip footing	m3	68		
4	Bases	m3	70		
5	Ramps	m3	10		
6	Thickening under walls	m3	10		
	30Mpa/19mm concrete				
7	Slabs, including beams and inverted beams	m3	129.5		
8	Isolated beams	m3	35		
	40Mpa/19mm concrete				
9	Columns	m3	25		
	TEST CUBES				
10	Making and testing 150 X 150 X 150mm concrete strength test cubes (provisional)	No	30		
	CONCRETE SUNDRIES				
	Finishing of top surfaces of concrete smooth with a wood float including non-slip brush finish				
11	Surfaces beds, slabs, etc	m2	639.47		
12	Ramps	m2	25		
	TOTAL CARRIED CONCRETE, FORMWORK SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Section No. 2 BUILDINGS Bill No. 2 CONCRETE, FORMWORK AND REINFORCEMENT				
	ROUGH FORMWORK				
	Rough formwork to sides				
1	Ramp	m ²	20		
	SMOOTH FORMWORK (DEGREE OF ACCURACY 1)				
	Smooth formwork to sides and soffits				
2	Rectangular columns	m ²	72		
3	Beams	m ²	102		
4	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	203		
	Smooth formwork to soffits				
5	Landings	m ²	40		
	MOVEMENT JOINTS ETC				
	Two layers of 375 micron "Consol Plastic Brickgrip DPC" in slip joints between horizontal concrete and brick surfaces, including cement mortar bed				
6	Not exceeding 300mm wide	m	210.5		
	Expansion joints with softboard between vertical Concrete and brick surfaces				
7	10mm Joints exceeding 300mm high or wide	m	125		
8	10mm Joints not exceeding 300mm high along edges of surface beds	m	35		
	REINFORCEMENT (PROVISIONAL)				
	Mild steel reinforcement to structural concrete work				
9	12mm Diameter bars	t	0.67		
10	10mm Diameter bars	t	0.67		
11	16mm Diameter bars	t	0.67		
12	8mm Diameter bars	t	0.67		
	TOTAL CARRIED CONCRETE, FORMWORK SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Section No. 2 BUILDINGS Bill No. 2 CONCRETE, FORMWORK AND REINFORCEMENT				
	High tensile steel reinforcement to structural concrete Work				
1	20mm Diar bars	t	0.5		
2	25mm Diameter bars	t	0.5		
3	12mm Diameter bars	t	0.5		
4	16mm Diameter bars	t	0.5		
	Fabric reinforcement				
5	Type 193 fabric reinforcement in concrete surface beds, Slabs, etc	m ²	639.5		
	TOTAL CARRIED CONCRETE, FORMWORK SUMMARY				R

Page 9			
SECTION 2 BUILDINGS Bill No. 2 CONCRETE, FORMWORK AND REINFORCEMENT COLLECTION			
		PAGE No	TOTAL AMOUNT
Total brought froward from Page No		.5	R
Total brought froward from Page No		.6	R
Total brought froward from Page No		.7	R
Total brought froward from Page No		.8	R
Carried Forward to Sectional Summary : 2			
SECTION 2 BUILDINGS Bill No. 2 CONCRETE, FORMWORK AND REINFORCEMENT			
TOTAL CARRIED SUMMARY			R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p>SECTION NO. 2 BILL NO. 3 MASONRY BRICKWORK</p> <p>SUPPLEMENTARY PREAMBLES</p> <p>NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 116 for JBCC CPAP purposes</p> <p>BRICKWORK</p> <p>Sizes in descriptions</p> <p>Where sizes in descriptions are given in brick units, one brick shall represent the length and half brick the width of a brick.</p> <p>Hollow walls etc</p> <p>Descriptions of solid walls (except if built in English bond) and cavity walls shall be deemed to include metal wall ties complying with SABS 28 and of the butterfly or of the modified PWD type, of the requiring length with each end built at least 75mm deep into brickwork, spaced at not more than 1m centres alternatively to every third course of brickwork.</p> <p>Cavity wall ties</p> <p>*Joluka Posi-ties Type PTT 4 product No 8312, total length 270mm. 3/5 ties per m² to be used.</p> <p>Face bricks</p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p>				
	TOTAL CARRIED SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p>Section No. 2 BUILDINGS Bill No. 3 MASONRY</p> <p>Pointing Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc</p> <p>Sample Samples of all masonry building units, except those for walls described as "load bearing", shall consist of a minimum of 6 units. Samples of building units to be used in walls described as "load bearing" shall consist of 30 units from every 30 000 units delivered to site</p> <p>FOUNDATIONS</p> <p>Brickwork of NFX bricks (14Mpa nominal compressive strength) in class 1 mortar</p>				
1	One brick walls	m ²	278		
	<p>SUPERSTRUCTURE</p> <p>Brickwork of NFP bricks in class II mortar</p>				
2	Half brick walls	m ²	48		
3	Half brick walls in beamfilling	m ²	48		
4	One brick walls	m ²	325		
	<p>FACE BRICKWORK</p> <p>Approved yellow face bricks at a net purchase price of R3500/1000 bricks delivered to site with square recessed and pointed with flush horizontal and vertical joints in a stretcher bond</p>				
5	Extra over brickwork for face brickwork in foundations	m ²	58		
6	Extra over brickwork for face brickwork	m ²	780		
	TOTAL CARRIED SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
Section No. 2 BUILDINGS Bill No. 3 MASONRY	Face brick-on-edge course copings, cills etc, at a net purchase price of R2500/1000 bricks delivered to site with square recessed and panted with flush horizontal and vertical joints on all exposed faces				
1	Brick-on-edge coping 255mm high on top of one and half brickwall	m	147		
2	220mm wide sill set level and slightly projecting	m	147		
	Brickwork reinforcement				
3	75mm Wide reinforcement built in horizontally	m	154		
4	150mm Wide reinforcement built in horizontally	m	984		
	Concrete prestressed fabricated lintels				
5	110x70mm Lintels in lengths not exceeding 3m	m	78		
6	220x70mm Lintels consisting of two 110x70mm lintels side by side in lengths not exceeding 3m	m	48		
	Galvanised hoop iron ramos, ties, etc				
7	40x1,6mm "Tibond" wall tie strips shot pinned to concrete and with ties bent out and built into brickwork	m	100.7		
	TOTAL CARRIED SUMMARY				R

Section No. 2
 BUILDINGS
 Bill No. 3
 MASONRY
 COLLECTION

	PAGE No	TOTAL AMOUNT
Total brought foward from Page No	.10	
Total brought foward from Page No	.11	
Total brought foward from Page No	.12	
Carried Forward to Sectional Summary : 2		
Section No. 2 BUILDINGS Bill No. 3 MASONRY		
TOTAL CARRIED SUMMARY		R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p>Section No. 2 BUILDINGS Bill No. 4 WATERPROOFING</p> <p><u>DAMP PROOFING</u> <u>SUPPLEMENTARY PREAMBLES</u></p> <p>NOTE: <i>Unless otherwise stated herein, all items in this Bill shall be deemed to fall into Work Group No 120 for JBCC CPAP purposes</i></p> <p>Waterproofing</p> <p>Waterproofing of roofs, basements, etc shall be laid Under a ten year guarantee. Waterproofing to roots shall be laid to even fall to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p>One layer 250 micron "Gunplas USB Green" Polyethylene waterproofing:</p> <p>1 On compacted earth under concrete surface beds, lapped 150mm and sealed at all joints (measured net).</p> <p>One layer 375 micron embossed "Gunplas Brikgip" polyethylene damp proof course fixed with approved adhesive:</p> <p>2 On walls, stepped up in cavities, under cills, etc</p> <p>Sundries</p> <p>3 10x10mm Polysulphide sealant in expansion joint including scraping out softboard. (Provisional).</p>				
	TOTAL CARRIED SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p>SECTION NO. 2 BILL NO. 5 ROOF COVERINGS</p> <p>NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 124 for JBCC CPAP purposes</p> <p>RIBBED METAL SHEETING AND ACCESSORIES</p> <p>BROWNBUILT PROFILED SHEETING AND ACCESSORIES</p> <p>Sheeting</p> <p>The roof sheeting shall be interlocking concealed-fix "Brownbuilt" profile roll-formed in continuous lengths and cut to length by a pneumatic cut-off process from certified Z275 commercial quality galvanised steel. The profile shall be roll-formed with three ribs at centres not exceeding 203mm and a cover width not exceeding 406mm. These will include a depth shall be 48mm. Each trough shall incorporate two stiffener ribs.</p> <p>The paint finish shall be a full top coat Globalcoat Silicone Polyester and a half coat Globalcoat Grey to the reverse side</p> <p>Fixing</p> <p>the Brownbuilt sheets shall be fixed to every purlin by means of patented clips which will securely hold the sheets in position and lock-in both the sidelap and centre ribs. The clips shall be manufactured from Galvanised steel and shall be fixed to the steel purlin with two cadmium plated tek 3 no 10, 24 x 16mm long self-drilling screws, or with NA2 annular nails to timber purlins.</p>				
	TOTAL CARRIED SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p>SECTION NO. 2 BILL NO. 5 ROOF COVERINGS</p> <p>0.8mm thick flashings</p> <p>The paint finish shall be epoxy primer of 4-6 microns with a top coat Globalcoat Silicone Polyester of atleast 22 microns and a half coat grey to the reverse side (Colour approved by the architect). Flashings shall be approved by :Brownbuilt Metal Sections and fixed to the sheeting with S1 clips to obviate any direct fixing perforations. Prior to flashings being fixed, all troughs at the apex shall be stop-ended to the full depth of the sheet in order to prevent any penetration of winddriven water. the trough shall be lipped at the eaves end to form a drip. Flashing flanges shall be notched to the sheet profile where necessary. All these operations must be performed with special tools available from "brownbuilt metal sections". care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surface in order to prevent steel spatter from penetrating colour coated areas.</p> <p>Guarantee</p> <p>the manufacturer shall comply with ISO9002 Quality management system. "Brownbuilt sheeting shall be laid in strict accordance with the manufacturers specifications by an approved contractor. A written and approved five year guarantee of site-workmanship and watertightness shall be issued after final inspection of roofs by the manufacturer "Brownbuilt metal section</p> <p>Erection</p> <p>Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheeting which has become deformed or damaged in any way shall be replaced.</p> <p>Safety</p> <p>The contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity.</p>				
	TOTAL CARRIED SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	CURRENT AMOUNT
	<p>Section No. 2 BUILDINGS Bill No. 5 ROOF COVERING</p> <p><u>Handling and storing</u></p> <p>The Contractor shall ensure that all materials used on site for cladding, etc are transported, handled and stored in accordance to the manufacture's recommendations. Material damaged shall be rejected with undamaged material at the contractor's expense. Repair of damaged material will not generally be emitted. Rates are to include for preventing damage and protecting sheets through</p> <p>0.6mm Thick "Brownbuilt" Z275 spelter galvanised steel sheeting with pre-painted "Chromadek Gembok Sand" finish one side and half coat "Globalcoat Grey" other side and accessories fixed to steel purlins or rails in strict accordance with manufacturer's specifications by an approved contractor.</p>				
1	Roof covering with pitch not exceeding 18 degrees, in transportable lengths not exceeding 20m	m ²	265		
	<p>0.6mm Thick "Brownbuilt" Z275 spelter galvanised steel sheeting with pre-painted "Chromadek Gembok Sand" finish one side and half coat "Globalcoat Grey" other side and accessories fixed to steel purlins or rails in strict accordance with manufacturer's specifications by an approved contractor.</p>				
2	Roof covering with pitch not exceeding 25 degrees, in transportable lengths not exceeding 20m but fixed to steel purlins	m ²	462		
	<p>Flashings from 0,8mm galvanised Z275 spelter steel sheeting with "Chormadek" finish to one side to match the roofing and fixed in strict accordance with manufacturer's specifications</p>				
3	Hip capping 550mm girth three ties bent and notched to suit roof profile	m	125		
4	Headwall flashing 375mm girth, two times bent along girth and notched to suit roof profile	m	125		
5	Extra over roof covering for 85 degrees forward bullnose to 80mm radius at edge	m	125		
6	Extra over roof covering for 85 dgrees forward bull nose to 600mm radius at edge	m	125		
	TOTAL CARRIED SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p>Section No. 2 BUILDINGS Bill No. 5 ROOF COVERING</p> <p><u>ROOF AND WALL LINING AND INSULATION</u></p> <p>1 Double sided 4mm "Alucushion Bubblefoil" double sided aluminium foil faced insulation in 1250mm widths laid over and including white PVC coated straining wires at 383mm centres and with 100mm laps at the joints, laid over purlins and tentioned between and fixed to eaves and apex purlins with hoop iron and rivets, all in accordance with the manufacturer's specifications</p>	m ²	639.5		
	TOTAL CARRIED SUMMARY				R

Section No. 2
 BUILDINGS
 Bill No. 5
 ROOF COVERING

COLLECTION

		PAGE No	TOTAL AMOUNT
	Total brought froward from Page No	.15	
	Total brought froward from Page No	.16	
	Total brought froward from Page No	.17	
	Total brought froward from Page No	.18	
	Carried Forward to Sectional Summary : 2		
	Section No. 2 BUILDINGS Bill No. 5 ROOF COVERING		
	TOTAL CARRIED SUMMARY		R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p>SECTION NO. 2 BUILDING BILL NO. 6 CARPENTRY AND JOINERY</p> <p>NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 126 for JBCC CPAP purposes</p> <p>ROOF CONSTRUCTION</p> <p>Plate nailed timber roof trusse</p> <p>The following is applicable in respect of roof trusses</p> <p><u>Prefabricated roof trusses</u></p> <p><u>Plate nailed prefabricated roof truss construction, including hoisting up and fixing approximately 3000mm above floor level (roof sheeting measured elsewhere) and maintaining trusses in position including purlins, wall plates, bracing, connectors, wire ties, metal shoes, etc.</u></p> <p>The following is applicable in respect of roof trusses:</p> <p>(a) All the roof trusses to be at an average 1100mm centres and constructed for 18 degree pitch unless otherwise state. Roof covering comprise 0.58mm thick Brownbuilt heavy industrial 275 spelter galvanised ribbed sheet steel on 50 x 38mm battens at maximum 320mm centres Ceilings consist of 6.4mm rhinoboard on 38 x 38mm brandering at 450mm centres</p> <p>(b) All roof trusses to be designed and constructed with softwood structural timber to include for five loads, wind loads and to take 0.58mm thick Brownbuilt heavy industrial 275 spleter galvanised ribbed sheet steel and 6.4mm rhinoboard ceilings. Each roof truss shall have its members cut and close butted together and rigidly fixed by CSIR approved patended galvanised metal spiked connectors, fixed on both sides of intersection by an approved method, all in accordance with the mnufacturers instruction.</p> <p>(c) Unless otherwise described all rafter feet are to extend</p>				
	TOTAL CARRIED SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
	600mm beyond the length of the tie beam, with ends twice splay cut				
	(d) The design, manufacture and transportation of the roof trusses, bracing etc shall be under control of a registered Engineer and it shall be required from the manufacturer of the trusses to lodge a written guarantee that the trusses are designed, manufactured and erected to support the roof covering specified. The guarantee shall be valid for a period of 10(ten) years.				
	The tenderer's attention is drawn to the fact that the detailed drawings included at the back of these Bill of Quantities only represents the overall size and bearing points of the trusses and not the required design.				
	Sawn South African Pine				
	38x114mm Wall plate	m	138.9		
	Roof trusses supplied and erected complete according to the Architect Drawing at the back of these Bill of Quantities (Office side approximately 125 square metres on plan)	Item	1		
3	Roof trusses supplied and erected complete according to the Architect Drawing at the back of these Bill of Quantities (Toilets and Ticket Office side approximately 95 square metres on plan)	Item	1		
	<u>DOORS ETC</u>				
	Wrought meranti doors hung to steel frames				
4	D1	No	1		
5	D2 2100mmx1628mm	No	2		
6	D3 2100mmx813mm	No	2		
7	D4	No	1		
8	D5	No	4		
9	D6	No	6		
10	D7	No	3		
11	D8	No	4		
	TOTAL CARRIED SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
Section No. 2 BUILDINGS Bill No. 6 CARPENTRY AND JOINERY					
<u>SEMI SOLID CORE FLUSH DOORS</u>					
Semi-Solid flush doors with 3.2 mm hardboard covering on both sides with hardwood finger-jointed stiles, hung to pressed steel frame.					
1	40 mm Door 813 x 2032 mm high D6, D7	No	11		
<u>SEMI SOLID CORE FLUSH DOORS</u>					
2	40 mm Door 813x 2032 mm high D5	No	6		
3	40 mm Double door 1511 x 2032 mm high, with two equal leaves with rebated meeting stiles D4	No	2		
TOTAL CARRIED SUMMARY					R

Section No. 2 BUILDINGS Bill No. 6 CARPENTRY AND JOINERY COLLECTION			
		PAGE No	TENDER AMOUNT
	Total brought froward from Page No	.20	
	Total brought froward from Page No	.21	
	Total brought froward from Page No	.22	
	Carried Forward to Sectional Summary : 2		
	Section No. 2 BUILDINGS Bill No. 6 CARPENTRY AND JOINERY		
	TOTAL CARRIED SUMMARY		R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
	<p>SECTION NO.2 BUILDINGS BILL NO. 7 CEILINGS, PARTITIONS AND ACCESS FLOORING</p> <p>SUPPLEMENTARY PREAMBLES</p> <p>NOTE: <i>Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 129 for JBCC CPAP purposes</i></p> <p>Descriptions:</p> <p>Items described as "nailed" shall be deemed to be fixed with Hardened steel nails or pins or shot pinned to brickwork or Concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 60mm centres, and where described as "bolted" the bolts have been given elsewhere</p> <p>CEILINGS, ETC</p> <p>Flexible reinforced insulation</p> <p>1 74mm Thick flexible non-combustible lightweight (nominal density 10kg/m³) fibreglass reinforced insulation blanket closely fitted with ends butted firmly and laid loose on top of ceiling</p> <p>NAILED UP CEILINGS</p> <p>6.4mm Gypsum plasterboard with H-profile cold rolled Galvanised steel jointing strips</p> <p>2 Horizontal ceiling nailed to and including 38x38mm sawn softwood branderling at 450mm centres in one direction and at ends of boards in other direction, and 38x38mm branderling around perimeter of rooms, securely spiked to roof timbers and ceiling joists</p>	m ²	198		
	TOTAL CARRIED SUMMARY				R

Section No. 2
 BUILDINGS
 Bill No. 7
 CEILINGS, PARTITIONS AND ACCESS FLOORING

COLLECTION

		PAGE No	TENDER AMOUNT
	Total brought froward from Page No	.24	
	Total brought froward from Page No	.25	
	Carried Forward to Sectional Summary : 2		
	Section No. 2 BUILDINGS Bill No. 7 CEILINGS, PARTITIONS AND ACCESS FLOORING		
	TOTAL CARRIED SUMMARY		R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
	<p>SECTION NO.2 BUILDINGS BILL NO. 8 IRONMONGERY</p> <p><i>NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 132 for JBCC CPAP purposes</i></p> <p>BARREL BOLTS, ETC:</p>				
1	100mm "Solid Art 204/B40" chromium plated barrel bolt and keep.	No	8		
	<p>LOCKS</p> <p>The following locks are in one set with a master key:</p>				
2	"Solid Art 390/311" chromium plated two lever mortice lockset No	No	6		
3	"Solid Art 390/313 chromium plated four level lockset.	No	13		
4	"Solid Art 390/313" chromium plated four level lockset.	No	4		
5	Masterkey	No	2		
	<p>Sundries</p>				
6	"Solid Art 255/E41" long pin doorstop.	No	27		
7	Stainless steel toilet roll holder "Art No. TR 3" by "Amalgamated Super Sales (Pty) Ltd."	No	7		
8	Satinless steel soap holder by "Amalgated Super Sales (Pty) Ltd"	No	7		
9	"Solid Art 252" chromium plated coat hook.	No	7		
10	1,6mm Thick stainless kicking plate size 810mm wide x 230mm high.	No	2		
	TOTAL CARRIED SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
BATHROOM FITTINGS					
1	32mm diameter stainless steel "Chairman Industries" code SR 1 rear grab rail, plugged	No	2		
2	32mm diameter stainless steel cistern straddle rail SR2, 750mm long plugged and screwed to walls with stainless steel screws	No	2		
3	32mm diameter dog leg rail 1060mm long as "Chairma Industries" code DL3 or other approved grab rail, plugged	No	2		
TOTAL CARRIED SUMMARY					R

Section No. 2
BUILDINGS
Bill No. 8
IRONMONGERY

COLLECTION

		PAGE No	TENDER AMOUNT
	Total brought forward from Page No	27	
	Total brought forward from Page No	28	
	Carried Forward to Sectional Summary : 2		
	Section No. 2 BUILDINGS Bill No. 8 IRONMONGERY		
	TOTAL CARRIED SUMMARY		R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
	<p><u>SECTION NO.2</u> <u>BUILDING</u> <u>BILL NO.9</u> <u>STRUCTURAL STEELWORK</u> <u>SUPPLEMENTARY PREAMBLES</u></p> <p>NOTE: <i>Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 134 for JBCC CPAP purposes</i></p> <p>Descriptions</p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and embedding in concrete. Where anchor bolts are described as embedded in sides or soffits of concrete it shall be deemed to include holes through formwork.</p> <p>Descriptions of expansion anchors and bolts and chemical Anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete.</p> <p><u>STEEL TRUSSES ETC</u></p> <p>Weldded portal frames with flat section bearer, gusset and Connection plates and L-section cleats bolted to concrete</p> <p>The following is applicable in respect of roof trusses:</p>				
	TOTAL CARRIED SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
	<p>Section No. 2 BUILDINGS Bill No. 9 STRUCTURAL STEELWORK</p> <p>Trusses are at maximum centres determined by the Engineer and constructed for 25 degrees pitch unless otherwise stated</p> <p>Roof covering comprise '0.58 mm thick Brownbuilt heavy industrial 275 splter galvanised ribbed sheet steel on steel purlins at centres as determined by the Engineer.</p> <p>All roof trusses to be designed and constructed with Structural steel to include live loads, wind loads and to take '0.58 thick Brownbuilt heavy industrial 275 splter galvanised Ribbed sheet steel'</p> <p>The design, manufacture and transportation of the roof trusses, bracing etc, shall be under the control of a registered Engineer and it shall be required from the manufacturer of the trusses to lodge a written guarantee that his construction has been designed by a qualified Structural Engineer and he is in possession of capability certificate.</p> <p>The manufacturer of the trusses shall supply a written guarantee that the trusses are designed, manufactured and erected to support the roof covering specified. The guarantee shall be valid for a period of 10 (ten) years.</p> <p>The tenderer's attention is drawn to the fact that the detailed drawings included at the back of these Bill of Quantities only represents the overall size and bearing points of the trusses and not the required design.</p> <p>The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained from the architect and/or the size before design or fabrication commences</p> <p>STEEL TRUSSES ETC</p> <p>Welded roof trusses of angle section rails, struts, braces, cleats, etc and flat section bearer, gusset and connection plates bolted to steel or walls fixed in position approximately 5000mm above ground</p>				
1	Single pitch lattice trusses	t	4.25		
	Bolts to trusses etc				
2	High tensile bolts	t	0.02		
3	Provision for supervision of project and for the erection of the roof truss and Structural certification as instructed by the nominated Project Engineer/municipal project manager	Prov Sum	1	R 800 000.00	R 800 000.00
4	Handling cost and profit in respect of item 3	%	485000		
	TOTAL CARRIED SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
	Section No. 2 BUILDINGS Bill No. 9 STRUCTURAL STEELWORK				
	Purlins and girts bolted to steel				
1	Angle section purlins	t	4.75		
	Welded bracing etc with flat section connection plates Bolted to steel				
2	Angle section bracing	t	1.35		
3	Angle section sag rails	t	1.25		
	TOTAL CARRIED SUMMARY				R

Section No. 2 BUILDINGS Bill No. 9 STRUCTURAL STEELWORK COLLECTION			
		PAGE No	TENDER AMOUNT
	Total brought forward from Page No	.30	
	Total brought forward from Page No	.31	
	Total brought forward from Page No	.32	
	Carried Forward to Sectional Summary : 2		
Section No. 2 BUILDINGS Bill No. 9 STRUCTURAL STEELWORK			
	TOTAL CARRIED SUMMARY		R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
	<p>SECTION NO.2 BUILDING BILL NO. 10 METAL WORK</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>NOTE: <i>Unless otherwise stated herein, all Items in this bill shall be deemed to fall into Work Group No 136 for JBCC CPAP purposes</i></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Metal work described as "holed for bolts and chemical anchors and bolts unless otherwise described</p> <p><u>PRESSED STEEL DOOR LININGS</u></p> <p>1,2 mm Thick single rebate door lining suitable for half brick wall for:</p> <p>1 Door, size 813x2032mm high No 5</p> <p>1,2 mm Thick double rebate door lining suitable for one brick wall for:</p> <p>2 Door size 813 x 2032 mm high over No 12</p> <p>3 Door size 1626 x 2100mm high over No 4</p> <p><u>STEEL WINDOWS, DOORS, ETC</u> Standard industrial windows</p> <p>4 Window type NCT15, size 533 x 949 mm high overall. No 7</p> <p>5 Window type NCTX75, size 1022 x 949 mm high overall No 2</p> <p>1 Window type SS52, size 1616x 987 mm high overall. No 18</p> <p>2 Windows type TD57S8, s 6 1450.00 8700.00 No 6</p> <p><u>ROLLER SHUTTER DOORS</u></p> <p>3 Manual push-up slatted roller shutter for 2000x 900mm high opening No 2</p> <p>Brass</p> <p>6X 25 mm Water bar set flush between different floor finishes. (In No.63) No 10</p>				
TOTAL CARRIED SUMMARY					R

SECTION NO.2
BUILDING
BILL NO. 10
METAL WORK

COLLECTION

		PAGE No	TENDER AMOUNT
	Total brought froward from Page No	.34	
	Carried Forward to Sectional Summary : 2		
	SECTION NO.2 BUILDING BILL NO. 10 METAL WORK		
	TOTAL CARRIED SUMMARY		R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
	<p>SECTION NO. 2 BUILDING BILL NO. 11 PLASTERING</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><i>NOTE: screed mix designs must be done by the engineer and the sand tested in a laboratory beforehand. A mechanical mixer is preferred to ensure a homogenous smooth plaster, screed, etc mixtures and each batch should be mixed for not less than 3 minutes. Time which elapse between the start of mixing a batch and when it is placed should not exceed 45 minutes and during that time the mix should be conducted to these mixes.</i></p> <p><i>A level screeds must be provided and a special large wooden trowel to be used. Screeds should be inspected and tested to determine deviation from datum level and surface regularity. The strength of the screed, once it have dried out, must be test regular using the "BRE screed tester" as well as tests to check the adhesion between screed and base.</i></p> <p><i>NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 142 for JBCC CPAP purposes</i></p> <p><u>SCREEDS</u> Screeds on concrete</p> <p>1 30 mm Thick on floors and landings</p> <p><u>INTERNAL PLASTER</u> Cement plaster on brickwork</p> <p>2 On walls</p> <p>3 On narrow widths</p>				
	TOTAL CARRIED SUMMARY				R

SECTION NO. 2 BUILDING BILL NO. 11 PLASTERING COLLECTION		
	PAGE No	TENDER AMOUNT
Total brought froward from Page No	.36	
Carried Forward to Sectional Summary : 2 SECTION NO. 2 BUILDING BILL NO. 11 PLASTERING		
TOTAL CARRIED SUMMARY		R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
SECTION NO. 2 BUILDINGS BILL NO. 12 TILING	<u>SUPPLEMENTARY PREAMBLES</u>				
	Descriptions				
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 144 for JBCC CPAP purposes				
	Unless described as "fixed with adhesive to plaster(plaster elsewhere) " descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding				
	<u>CERAMIC TILES</u>				
	<u>WALL TILING</u>				
	152 x 152mm white glazed wall tiles fixed with adhesive to bedding (bedding elsewhere) and flush pointed with tinted waterproof joining compound. The tendered to allow an amount of R50.00per square meter (exclusive of VAT) for the supply of tiles only and include for all waste, transport, labour and profit in the applicable "rate"				
1	On walls	m2	146		
2	On narrow widths	m2	2		
TOTAL CARRIED SUMMARY					R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
SECTION NO. 2 BUILDINGS BILL NO. 12 TILING	300 x 300 mm glazed porcelain floor tiles fixed with adhesive to bedding (bedding elsewhere) and flush pointed with tinted waterproof jointing compound. The tendered to allow an amount of R150.00 per square meter (exclusive of VAT) for the supply of tiles only and include all waste, transport, labour and profit in the applicable "rate"	m2	185		
1	On floors	m2	185		
	TOTAL CARRIED SUMMARY				R

**SECTION NO. 2
BUILDINGS
BILL NO. 12
TILING**

COLLECTION

	PAGE No	TENDER AMOUNT
Total brought forward from Page No	.38	
Total brought forward from Page No	.39	
Carried Forward to Sectional Summary : 2		
SECTION NO. 2 BUILDINGS BILL NO. 12 TILING		
TOTAL CARRIED SUMMARY		R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
	<p>SECTION NO. 2 BUILDINGS BILL NO. 13 PLUMBING AND DRAINAGE (PROVISIONAL)</p> <p><u>SUPPLEMENTARY PREAMBLES</u> Descriptions</p> <p><i>NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 148 for JBCC CPAP purposes</i></p> <p>General All work shall be carried out strictly according to the relevant SABS Specifications, Codes of Practice and Institutional requirements. The requirements of Institutional bodies such as the Local Authorities, etc shall be adhered to.</p> <p>This document must be read in conjunction with the Model Preambles for Trades (latest edition) as included in the Annexure and all relevant drawings.</p> <p>The works shall comprise the internal plumbing and drainage systems and the domestic water supply and connection thereof to the main supplies. The main supplies will be executed by others and selected sub-contractors.</p> <p>The subcontractor shall be responsible for the "construction Engineering" of all works.</p> <p><u>SOIL DRAINAGE</u></p> <p>Workgroup No 146 for JBCC CPAP purposes "Frankie Kitchen Systems (Pty) Ltd" (trading as "Citimetal") Stainless steel or other approved</p> <p>1 sink and drainer 1800x 535mm wide with double end bowl, fitted on top of kitchen fitting (elsewhere)</p>	No	1		
	TOTAL CARRIED SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
	Section No.2				
	BUILDINGS				
	Bill No.13				
	PLUMBING				
	UPVC pipes				
1	110mm Pipes vertically or ramped to cleaning eyes etc(no excavation)	m	20		
2	110mm Pipes laid in and including trenches not exceeding 1m deep	m	90		
3	110mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep	m	30		
	Extra over uPVC pipes for fittings				
4	110mm bend	No	12		
5	110mm junction	No	3		
6	110mm access bend	No	4		
7	110mm access junction	No	2		
8	110mm access reducing junction	No	2		
9	110mm gully complete with deepseal "P" trap and iron grid	No	5		
	SANITARY FITTINGS				
	"Vaal Sanitaryware "vitreous china wash hand basins and pedestals				
10	455x 290mm 'bantam' white vitreous china cloakroom basin (product code 7030) with two tapholes including integrated overflow and chainstay hole, bolted to wall with two 10mm bolts (product code 8448Z0)	No	6		
	"Vaal Sanitaryware "vitreous china WC suites				
11	"Protea "semi-close coupled white vitreous china WC suite (product code 751453) and comprising 90 outlet open rim washdown pan and 9-litre low level cistern(product code 710532), complete with heavy duty double flap toilet seat .	No	6		
12	"Protea Paraplegic" white vitreous china floor mounted WC pan (product code 750200) and 9-litre low level cistern (code 710631), complete with side-flush lever mounted on wall adjacent to cistern and heavy duty double flap toilet seat .	No	1		
	TOTAL CARRIED SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
	"Vaal Sanitary" vitreous china urinal				
1	Lavatera white vitreous china all mounted top inlet urinal (product code 705426) including 38 mm chromium plated domical grating (product code 8787) and chromium plated top inlet spreader (product code 7041Z0) and exposed flush valve (elsewhere measured), fitted on and including two hanger brackets (product code 8127Z0) plugged and screwed to wall.	No	3		
	WASTE UNIONS ETC				
	"Cobra"				
2	32 mm code 301 chrome plated basin waste union.	No	6		
3	40 mm Code 316 chrome plated unslotted bath or sink waste union.	No	1		
	TRAPS ETC				
	"Vulcathene"				
4	40 mm Deep seal "P" or "S" trap	No	6		
5	40 x 300 mm Sink combination for double bowl with deep seal "P" trap	No	1		
	TAPS, VALVES, ETC				
	Brass				
6	15mm Fullway gate valve	No	6		
7	20mm Fullway gate valve	No	6		
8	22 mm Hose bib tap and union	No	2		
	"Cobra Watertech" light pattern angle regulating valves				
9	15 x 10mm Code 232/10 chrome plated angle regulating valve with adaptor nut and ring.	No	1		
10	10 mm Diameter X 350 mm long code C-232PIPE chrome plated supply tube and capnut.	No	1		
11	15 mm Code 232/350 chrome plated angle regulating valve with 350 mm long flexible service connection	No	7		
	TOTAL CARRIED SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
	Section No.2 BUILDINGS Bill No.13 PLUMBING				
	Cobra Watertech "Star", "Aquila" and "Carina bibtaps				
1	15mm Chrome plated code 106CA-15 "Carina" toilet bibtap	No	2		
2	20mm Chrome plated code 106CA-20 "Carina" toilet bibtap	No	2		
	"Cobra Watertech "Star", "Aquila" and "Carina pillar bibtaps				
3	15 mm Chrome plated code 114CA-15 "Carina" square pattern pillar tap with aerator	No	10		
4	15mm Chrome plated code 138-15 "China" undertile stopcock	No	1		
5	15mm Chromium plated code 503-21 elbow action pillartap	No	2		
	"Cobra Watertech "Star", "Aquila" and "Carina mixers				
6	20mm Chrome plated code 166/041CA Carina sink mixer with S-041/10 'Overarm swivel outlet, adjustable wall flanges and exposed connections.	No	1		
	"Cobra Watertech " toilet and urinal flushvalves				
7	32mm Chrome plated exposed back entry toilet flushvalve as Flushmaster FM2.100 with integral non-hold open and shut-off valve including straight flush pipe (code FMT3.4CP)	No	3		
	<u>SANITARY PLUMBING</u>				
	<u>uPVC PIPES</u>				
8	50mm Pipes	No	20		
9	110mm Pipes	No	30		
10	50mm Pipes chased into brickwork	No	15		
11	50mm Pipes laid in and including trenches not exceeding 1m deep under surface beds	No	15		
12	110mm Pipes laid in and including trenches not exceeding 1m deep under surfaces beds	No	20		
	Extra over uPVC pipes for uPVC fittings				
15	50mm End cap	No	1		
	TOTAL CARRIED SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
	Section No.2				
	BUILDINGS				
	Bill No.13				
	PLUMBING				
1	110mm End cap	No	1		
2	110mm Eccentric reducer	No	4		
3	50mm Bend	No	12		
4	110mm Bend	No	12		
5	50mm Junction	No	4		
6	110mm Junction	No	4		
7	110 Reducing junction	No	3		
8	50mm Access bend	No	6		
9	110mm Access bend	No	7		
10	110mm Access bend with anti syphon horn	No	2		
11	110mm Straight pan connector	No	3		
12	110mm Bent pan connector	No	4		
13	110mm One way vent valve	No	3		
	Sundries				
14	Testing waste pipe system	No	item		
	WATER SUPPLIES				
	Class O copper pipes with capillary couplings				
15	15mm Pipes	No	80		
16	22mm Pipes	No	40		
17	15mm Pipes chased into brickwoi m 40 100.00 4000.00	No	40		
18	22mm Pipes chased into brickwoi m 20 180.00 3600.00	No	20		
	Extra over class O copper pipes for capillary fittings				
19	15mm fittings	No	30		
20	15mm fittings	No	20		
	TOTAL CARRIED SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
	<p>Section No.2 BUILDINGS Bill No.13 PLUMBING</p> <p>Extra over class O copper pipes for conex compression fittings</p> <p>1 15mm Fittings 2 15mm Fittings Copper overflow and service pipes</p> <p>3 22mm Overflow pipe 500mm girth twice bent</p> <p><u>ELECTRIC WATER HEATERS</u></p> <p>" Kwikot "</p> <p>4 200 Litre horizontal wall mounted electric heater</p> <p><u>FIRE APPLICANCES, ETC</u></p> <p>" Chubb "</p> <p>5 4.5 kg Dry chemical fire extinguisher 6 9 kg Dry chemical fire extinguisher 6 9 kg Dry chemical fire extinguisher</p>	<p>No No No No No No No No No</p>	<p>15 10 1 1 4 3 2</p>		
	TOTAL CARRIED SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
SECTION NO. 2 BUILDINGS BILL NO. 14 GLAZING					
	<p>NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 150 for JBCC CPAP purposes</p>				
	Glazing to steel sashes fixed with approved putty:				
1	4mm clear float glass in panes exceeding 0,1 and not exceeding 0,5 m2.	m2	98		
2	4mm Roughcast obscure glass in panes exceeding 0,1 and not exceeding 0,5 m2.	m2	48		
3	4mm clear float glass in panes exceeding 0,5 and not exceeding 2,0 m2	m2	35		
	MIRRORS				
4	6mm Float glass multiple silvered mirror size 300x450mm With polished and beveled edges, holed and screwed with four Chromium plated dome headed screws with rubber spacer Washers behind, to and including hardwood plugs in wall.	No	5		
	TOTAL CARRIED SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
SECTION NO. 2 BILL NO. 15 PAINTWORK PAINTWORK, ETC TO NEW WORK ON					
	<i>NOTE: Unless otherwise stated herein, all items in this bill Shall be deemed to fall into Work Group No 150 for JBCC CPAP purposes</i>				
	FLOATED PLASTER SURFACES WITH One coat alkali resistant plaster primer and two coats PVA Acrylic emulsion paint on ;				
1	Internal walls	m2	796		
2	Internal ceilings and beam	m2	198		
	One coat oil wood primer, one coat universal undercoat And two coats super universal enamel paint on				
3	Door	m2	90		
4	Doors frames, etc	m2	35		
5	Window frames, etc	m2	197		
	TOTAL CARRIED SUMMARY				R

**Section No.2
BUILDINGS**

SECTION SUMMARY-BUILDINGS

BILL NO		PAGE No	TENDER AMOUNT
1	EARTHWORKS	4	
2	CONCRETE,FORMWORK AND REINFORCEMENT	9	
3	MASONARY	13	
4	WATERPROOFING	14	
5	ROOF COVERING	19	
6	CAEPENTRY AND JOINERY	23	
7	CEILINGS, PARTITIONS AND ACCESS FLOORING	26	
8	IRONMONGERY	29	
9	STRUCTURAL STEEL WORK	33	
10	METALWORK	35	
11	PLASTERING	37	
12	TILING	40	
13	PLUMBERING	47	
14	GLAZING	48	
15	PAINTWORK	49	
	Carried to Final Summary : 2		
	Section No.2 BUILDINGS		
	TOTAL CARRIED SUMMARY		R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
	SECTION 3 GENERAL SITE WORKS BILL NO. 1 EARTHWORKS Workgroup No 104 for JBCC CPAP purposes THE FOLLOWING IN ONE SEPTIC TANKS AND FRENCH DRAINS SEPTIC TANK Earthworks <u>Excavate in "earth" below natural ground level (backfilling and carting away surplus material elsewhere) to:</u>				
1	Bulk excavation exceeding 2m but not 4m deep	m3	29		
	<u>End of excavations in earth</u>				
2	Excavation in "soft rock"	m3	9		
3	Excavation in had rock"	m3	4		
	<u>Cart away excavated material</u>				
4	Extra over all excavations for loading and carting away surplus excavated material to a suitable dumping ground to be located by the Contractor.	m3	29		
	<u>Risk of collapse to side of excation in "earth" exceeding 1.5m deep starting from average natural reduced or consolidated ground level for:</u>				
5	Septic tank excavation	m2	38		
	<u>Working space</u>				
	<u>Keeping excavations free from water</u>				
6	Allow for keeping excavations free from water	item	1		
	TOTAL CARRIED SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
	SECTION 3 GENERAL SITE WORKS BILL NO. 1 EXTERNAL WORKS				
	<u>Compaction of surface</u>				
1	Scarify top surface of excavated area to a depth of 150mm and compact to not less than 93% of the modified AASHTO maximum density, to receive concrete slab.	m2	10		
	<u>Concrete formwork and reinforcement</u>				
	<u>25Mpa/20mm concrete</u>				
2	Septic tank floor slab	m3	2		
3	Septic tank cover slab	m3	2		
	<u>Formwork</u>				
	<u>Rough formwork to:</u>				
4	Soffit of septic tank cover slab and remove through small opening	m2	10		
5	Opening through 150mm thick slab exceeding 2m and not exceeding 3m girth	No	1		
	<u>Reinforcement</u>				
	High tensile steel reinforcement to structural concrete work				
6	10mm Diameter bars	t	0.23		
7	12mm Diameter bars	t	0.36		
	<u>Fabric reinforcement having a surface that is plain, indented or otherwise deformed (measured nett)</u>				
8	Welded fabric ref. 395 to slabs	m2	10		
	<u>Precast concrete</u>				
9	Precast concrete surround to manhole suitable to receive cast iron cover and frame size 600mm x 600mm	No	1		
	TOTAL CARRIED SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
SECTION 3 GENERAL SITE WORKS BILL NO. 1 EXTERNAL WORKS					
	<p><u>Deep type manhole formed of one brick sides in extra burnt clay bricks in (3:1) cement mortar, the chamber section size internally 1100 x 770mm comprising three quarters of the total depth to invert level, on and including 150mm thick 20MPa/19mm mass concrete base complete with 1210 x 720 x 150mm thick precast concrete reducer slab over; the shaft size internally 770 x 600mm, all sides finished with (3:1) cement plaster, complete with 1210 x 1040 x 150mm thick precast concrete cover slab with opening rebated for and with 600 x 450 x 125mm thick x 66kg medium duty precast concrete cover, including necessary step irons, 20MPa/19mm mass concrete benching in bottom with top surfaces to falls and finished smooth (1:1) cement plaster, 150mm vitrified clay channels, etc. reinforcement, additional excavation and backfilling compacted to 90% modified AASHTO density, all as detail DT82 included at the back of these Bills of Quantities</u></p>				
1	Manhole exceeding 1,75m and not exceeding 2m deep	No	1		
	PERCOLATION TRENCHES				
	Earthworks				
	Excavate in "earth" below natural ground level (backfilling and carting away surplus material elsewhere) to:				
2	Trench not exceeding 2m deep	m3	34		
	<u>Extra over trench excavations in "earth" for:</u>				
3	Excavating in "soft rock"	m3	10		
4	Excavating in "hard rock"	m3	5		
5	Extra over all excavations for loading and carting away surplus excavated material to a suitable dumping ground to be located by the Contractor.	m3	30		
	TOTAL CARRIED SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
	SECTION 3 GENERAL SITE WORKS BILL NO. 1 EXTERNAL WORKS				
	<u>Risk of collapse</u> Risk of collapse to side of excavation in "earth" exceeding 1,5m deep starting from average natural, reduces or consolidated ground level for:				
1	Trenches	m2	80		
	<u>Keeping excavations free from water</u> 2 Allow for keeping excavations free from water	item	1		
	<u>Backfilling to trenches, etc:</u> 3 Selected material obtained from the excavations and spread, level, water and compact to not less than 90% of the modified AASHTO maximum density and trim to level	m3	11		
4	Riversand	m3	9		
	<u>Stone filling</u> 5 Hard durable gravel or crushed stone approved of by the Civil Engineer and graded 40 - 70mm around pipe in percolation trench (pipe measured elsewhere)	m3	20		
	<u>Filter fabric</u> "Bidim u24" or other approved non-woven continuous filament needle - punch polyester filter fabric to:				
6	Bottom sides and top of stone filling to percolation drain trench	m2	90		
	<u>Pitch-impregnated fibre pipes with perforated walls, including plain ends and couplings</u> 7 160mm Internal diameter pipe laid in stone filling in trenches (excavation and stone filling elsewhere)	m	24		
	Extra over 100mm internal diameter pitch-impregnated fibre pipe with perforated walls for:				
8	Plain bend	No	2		
9	Junction	No	1		
	TOTAL CARRIED SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
	Section No. 3 EXTERNAL WORKS Bill No. 1 EXTERNAL WORKS <u>Testing</u>				
1	Allow for testing all sewer piping in accordance with statutory Requirements, including making good defective work if Necessary and re-testing if required	item	1		
	FENCING Security fencing , gates, etc including two coats aluminium paint on metal stays, framing , etc				
2	Security fencing with 1,83m high welded wire mesh and four straining wires	m	400		
	Galvanised mild steel hollow profile post, stays, etc with Mushroom cap welded onto top; the post holed for Straining wires or eyebolts and with base plate or rods welded Onto bottom and including setting up and embedded of posts And stays with base plates or steel rods in position in concrete base (elsewhere)				
3	50mm diameter steel raking strut with 2,5mm wall thickness 2 000mm long with top end flattened and hollowed to fit around 50mm or 100mm diameter post and bolted on with 12mm Diameter galvanized bolt with head, nut and washers, including Drilling stay and post for bolts and with 150x150x6mm flange plated welded to bottom end.	No	20		
4	50mm diameter steel intermediate post with 2,5mm wall Thickness 2100mm long with 150x150x6mm thick flange Plate welded on bottom end	No	48		
5	100mm diameter steel straining, corner, end or gate post with 3,0mm wall thickness 1500mm long, three times drilled for Straining wires and with 200x200x6mm steel base plate and welded to bottom end	No	10		
6	100mm diameter steel straining, corner, end or gate post with 3,0mm wall thickness 1500mm long, four times drilled for Straining wires and with 300x300x6mm steel base plate and welded onto bottom end	No	4		
7	Single gate 1,2x1,8m high formed of 50mm diameter x2,5mm Galvanized steel pipe outer framing and diagonal brace, the Framing fitting with three strands of 4mm galvanized strain wire And covered with 50x25x2,5mm galvanized welded wire Mesh strained and fixed to framing and cross brace including Three hinges and fitted with a 50mm galvanized mild steel pipe Bent and welded onto gate frame and with fall boom as lock Mechanism	No	1		
8	Ditto but double gate 6.0 x 1.8m high	No	1		
	TOTAL CARRIED SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
	Section No. 3				
	EXTERNAL WORKS				
	Bill No. 1				
	EXTERNAL WORKS				
	<u>GUARD HOUSE</u>				
1	excavate in compacted pickable material as defined not exceeding 2m deep below reduced or filled up ground level, part return, fill in and ram and remainder deposit on site where directed				
	Excavate for surface trenches	m ³	9		
	sundries				
2	Extra over all excavations in compacted pickable material for excavation in hard rock as described	m ³	4		
	FILLING, ETC				
3	excavated material in backfill, saturated to optimum moisture content compacted to 95% modified AASHTO into trenches, including haulage not exceeding 100m from the perimeter of the excavation	m ³	5		
4	50 mm thick layer approved clean sand filling under surface beds	m ²	2		
5	saturate ground under solid floors etc, with ant poisoning consisting of a 5% solution of pentachlorophenol in mineral oil, sprayed or poured onto ground with a can with a coarse rose using 4 litres of moisture of each square metre of surface area	m ²	16		
	Reinforced concrete				
	25Mpa/19mm concrete				
6	Strip Footing	m ³	8		
7	Floor slab	m ³	6		
8	Concrete Sundries	m ³	1.8		
	Finishing of top surface of concrete smooth with float including non-slip brush finish				
9	Slab	m ²	16		
	MANSONRY				
	Foundations				
	Brickwork of NFX bricks (14Mpa nominal compressive strength) in class 1 mortar				
10	One brick walls	m ²	12		
	Superstructure				
	Brickwork of NFP bricks in class II Mortar with plastering				
13	One brick walls	m ²	42		
14	Plastering	m ²	38		
	<u>Metal Work</u>				
15	Complete steel door with frame and handles (21034x800mm)	no	1		
16	Complete NC4 window with glass	no	2		
	Roofing				
17	SABS approved galvanised IBR iron sheet	m ²	15		
18	76x52mm SA pine grade 4 purlins	m	25		
19	114x38mm SA pine grade 6 rafter	m	35		
20	225x15mm fibre cement facia board	m	8		
	TOTAL CARRIED SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
	Section No. 3 EXTERNAL WORKS Bill No. 1 EXTERNAL WORKS <u>Drilling and Equiping of Borehole</u>				
	EXCAVATION				
1	Excavation in all materials for trenches for up to including 125 mm nominal diameter pipes and smaller. Rates include backfill, compact and Up to 1 m deep	m	100		
2	Pipes and cables to have a minimum cover of 800 mm Extra-over item for 1 (a) Intermediate excavation (b) Hard rock excavation	m ³ m ³	30 15		
	BEDDING (Flexible pipes)				
3	Supply only of bedding by importation From other necessary excavations (a) Selected granular material (b) Selected fill material	m ³ m ³	9 30		
4	Overhaul of material for bedding cradle and selected fill blanket	m ³ /km	1		
	HDPe PIES AND FITTINGS				
5	Supply, lay, bed and test the following HDPe type IV pipes (conforming to SABS 533 – Part 2: 1982 amended 1994), in the following diameters and class. (a) 40 DN Class 6	m	150		
	Coupling (a) 40 DN	no	6		
	Standpipe installations				
6	Single standpipe installation, complete with in-situ constructed concrete trough as set out in plan LDE01_DW_03_303, but excluding the mainline saddle.	no	1		
	Submersible pumpset and appurtenant fittings				
7	a.) 40 DN 'Super D' model SS1516/75 complete with integral non-return valve, flow inducer (cooling) sleeve, 220V single phase phase motor of 0,75kW and lead out cable (or equivalent)	No	1		
	b) 40 DN 'Plasson' compression male adapters	No	1		
	c) 40mm Class 10 HDPE pipe riser	m	15		
	d) Borehole cover plate(plate (3mm-6mm), manufactured from 304 stainless steel)with both adapters to connect rising 40 mm Class 10 HDPE and inlet connection to the storage tank.	m	15		
	e) Cable to connect pump to the power source, it must tough and flexible cable with excellent moisture, abrasion & weather resistance ,Safe, Reliable and power saving, Excellent Wet Electrical Properties ,Flat or Round cables with PVC & Rubber Insulation & Jacket to accommodate voltage 220v 450v , it must Conform to International Standards IS 694, SABS 1574	m	150		
	f) Pratley no.1 cable joint kit for submersible conditions	No	2		
	g) 7mm diameter Poly Propylene safety Rope tied to the HDPE riser pipe and pump connection cable with cable ties.	m	150		
	h) 600mm X600 mm Lockable steel manhole complete, cast into 25 Mpa strength concrete,	No	1		
	Genset and appurtenant items. Lockable steel cage for genset complete painted with black enamel paint, supplied with lock pads.	No	1		
	TOTAL CARRIED SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	CURRENT AMOUNT
	<p>SECTION 5 BILL NO 1 HEALTH AND SAFETY</p> <p>The contractor shall comply with all the requirements set out in the construction regulations, 2003 issued under the occupational Health and safety act 1993(Act No.85 of 1993)</p> <p>It is required of the contractor to thoroughly study these regulations ad health and safety specification that must be read togeter with and is deemed to be incorporated under this section of bills of quantities</p> <p>the contractor must take note that compliance with the occupational helath and safety act, construction regulations and health and safety specification is compulsory. In the event of partial or total non-compliance, the principal agent notwithstanding the provision of clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of cmpliance.The contractor shall not be entitled to any compensation of whatsoever nature, including interest due to such delay payment</p> <p>Provision for pricing of the occupational health and safety act, construction regulations and health and safety specifications is made under this bill and it is explicitl pointed out that all requirements of the aforementioned are deemed to be priced here under and no additional claims in this regard shall be entertained</p> <p>GENERAL REQUIREMENTS</p>				
1	contractor's construction safety officer	ITEM	1		
2	Health and safety Agent (Appointed by the Municipality)	ITEM	1	R 100 000.00	R 100 000.00
3	site notice board	ITEM	1		
4	risk assesment and safety policy	ITEM	1		
5	Medical Fitness test for local labourers(Specifically by an Occupational health and safety practitioner)	Sum	1		
	TOTAL CARRIED SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
	SECTION 5				
	BILL NO 1				
	HEALTH AND SAFETY				
1	Health and safety file	ITEM	1		
2	Safety registers, audits, reports, check lists, permits, etc.	ITEM	1		
3	Log books	ITEM	1		
4	First aid, first aid boxes, trained first aiders, etc	ITEM	1		
5	Danger areas	ITEM	1		
6	Hazard notices	ITEM	1		
7	Personal protective clothing and equipment	Sum	1		
8	Road traffic ordinance/transport	ITEM	1		
9	Overhead power lines	ITEM	1		
10	Machine guarding	ITEM	1		
11	Ladders	ITEM	1		
12	Scaffold framework	ITEM	1		
13	Safety traps, safety harnesses, safety rails and safety devices	ITEM	1		
14	Fall prevention and protection	ITEM	1		
15	Health and safety training and promotion	ITEM	1		
16	Public safety, security measures and emergency	ITEM	1		
	SPECIAL REQUIREMENTS				
17	Demolitions	ITEM	1		
18	Excavation/shoring	ITEM	1		
19	Concrete mixing equipment, batch plants, etc.	ITEM	1		
20	Formwork and support works	ITEM	1		
21	Prevention of uncontrolled collapse	ITEM	1		
22	Safe working loads	ITEM	1		
23	Material hoists	ITEM	1		
	TOTAL CARRIED SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
	SECTION 5				
	BILL NO 1				
	HEALTH AND SAFETY				
1	Working at heights including roof work	item	1		
2	Construction vehicles and mobile plant	item	1		
3	Electrical equipment and procedures used by the contractor	item	1		
4	Explosive power tools	item	1		
5	Temporary storage of flammable liquids on construction sites	item	1		
6	Housekeeping on construction sites	item	1		
7	Stacking and storage on construction sites	item	1		
8	Fire precautions on construction sites	item	1		
9	Commissioning safety precautions	item	1		
10	Toxic materials	item	1		
11	Hazardous chemicals and materials	item	1		
12	Indemnity of the Employer and his Agents	item	1		
	<u>SPECIFIC REQUIREMENTS</u>				
13	Nature of the Works- see description of work under scope of Work	item	1		
14	Security	item	1		
15	Existing environment and services	item	1		
16	Related restrictions affecting health and safety	item	1		
17	Control of pollution	item	1		
18	Prevention of uncontrolled collapse	item	1		
19	Safe working loads	item	1		
20	Material hoists	item	1		
	TOTAL CARRIED SUMMARY				R

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	TENDERED AMOUNT
	Section No. 5 PROVISIONAL SUMS Bill No. 1 PROVISIONAL SUMS PROVISIONAL SUMS				
1	ELECTRICAL INSTALLATION Provide the provisional amount for electrical installation and connections	Prov Sum		250000	R 250 000.00
	Allow for Profit and Attendance	%	R 250 000.00		
2	CONSTRUCTION OF VIP TOILET Provide the provisional amount for construction of Vip Toilet	Prov Sum		60000	R 60 000.00
	Allow for Profit and Attendance	%	R 60 000.00		
3	FIXED FURNISHERS,SHELVING etc Provide the provisional amount for fixed fuimisher for Kitchen	Prov Sum			R 30 000.00
	Allow for Profit and Attendance	%	R 30 000.00		
4	Training etc Provide the sum of R150 000[One Hundred Thousand Rands] for Training	Prov Sum	1	R 150 000.00	R 150 000.00
	Allow for profit on above if required	%	R 150 000.00		
	TOTAL CARRIED TO SUMMARY				R

MOGOTLANE COMMUNITY HALL (LNM054/2023/24)

CALCULATION OF TENDER SUM

SCHEDULE	SECTION	SECTION DESCRIPTION	TENDERED AMOUNT
A	1	Preliminary and General	R
A	2	Buildings	R
A	3	External works	R
A	4	Health and Safety	R
A	5	Provisional Sum	R
TOTAL SCHEDULE A:			R
TENDER SUM:			R
Allow a contingency amount of R 500 000.00 (Five hundred thousand Rand) to be used as directed by the Municipality:			R 500 000.00
SUB-TOTAL:			R
Vat:			R
Tendered Amount:			R