

LN083/2025/26 APPOINTMENT OF A PANEL OF TWO (2) CONTRACTORS FOR MAINTENANCE OF MUNICIPAL BUILDINGS AND FACILITIES FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	<p>BILL 1</p> <p>ADMINISTRATION</p> <p>NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p> <p>NOTE: Unless otherwise stated herein, all rates should include compensation for costs to execute the works whatever quantity is required and should provide for establishment, preliminary and general costs, and all other costs associated with the execution and supervision.</p> <p>The Client reserves the right to negotiate mutually agreed discounts on tendered rates for large quantities</p>					

ITEM NO	DESCRIPTION	UNIT	1ST Year/Quantity RATE	2ND Year/Quantity RATE	3RD Year/Quantity RATE	1st+2nd +3rd Yearly Amount
1	PROVISIONAL ADMINISTRATIVE COSTS Occupational Health and Safety Compliance - prepare & maintain a compliant safety file at all times, comply with all legislative and regulated requirements including attending to internal and external audit	month				
2	Occupational Health and Safety Compliance - Provide for proper PPE for all works	month				
3	Insurance Requirements	month				
4	MILEAGE Mileage for onsite travel and scheduled procurements/tasks required by Lepelle-nkumpi Municipality Note: Excludes travel to and from site for preventative maintenance works and planned works. Note: Excludes travel to and from site for night works Note: Excludes travel to and from site for call outs	km				
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ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	<p>BILL 2</p> <p>PROVISIONAL CALL OUTS & LABOUR SCHEDULE (PROVISIONAL)</p> <p>NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p> <p>NOTE: Unless otherwise stated herein, all rates should include compensation for costs to execute the works whatever quantity is required and should provide for establishment, preliminary and general costs, and all other costs associated with the execution and supervision.</p> <p>The Client reserves the right to negotiate mutually agreed discounts on tendered rates for large quantities</p> <p>CALL OUTS</p> <p>Emergency Call Outs: Emergency - 45 minute response time from time of call at any time for the duration of the contract. Call outs only apply when the contractor is not scheduled to be on site.</p> <p>Urgent Call Outs: Urgent - 24 Hour response time from time of call at any time for the duration of the contract. Call outs only apply when the contractor is not scheduled to be on site.</p>					
1	Emergency Call Outs	No				
2	Urgent Call Outs	No				

ITEM NO	DESCRIPTION	UNIT	1ST Year/Quantity RATE	2ND Year/Quantity RATE	3RD Year/Quantity RATE	SUM
	<p>LABOUR SCHEDULE</p> <p>Operating Times Normal Hours: Regarded as between 06:00am and 18:00pm weekdays After Hours: Regarded as between 06:00pm and 06:00am weekdays After Hours: Regarded as between 06:00am and 23:59pm Saturdays Sundays & Public Holidays: Regarded as Between 0:00am and 23:59pm on Sundays and Public Holidays</p>					
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ITEM NO	DESCRIPTION	UNIT	1ST Year/Quantity RATE	2ND Year/Quantity RATE	3RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	<p>BILL 2</p> <p>PROVISIONAL CALL OUTS & LABOUR SCHEDULE (PROVISIONAL)</p>					

	Contract Manager / Supervisor					
3	Normal Hours	hrs				
4	After Hours	hrs				
5	Sundays & Public Holidays	hrs				
	Handyman					
6	Normal Hours	hrs				
7	After Hours	hrs				
8	Sundays & Public Holidays	hrs				
	General Assistant					
9	Normal Hours	hrs				
10	After Hours	hrs				
11	Sundays & Public Holidays	hrs				
	Brick Layer					
12	Normal Hours	hrs				
13	After Hours	hrs				
14	Sundays & Public Holidays	hrs				
	Carpenter					
15	Normal Hours	hrs				
16	After Hours	hrs				
17	Sundays & Public Holidays	hrs				
	Tiler					
18	Normal Hours	hrs				
19	After Hours	hrs				
20	Sundays & Public Holidays	hrs				

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
24	Painter	Normal Hours	hrs			
25		After Hours	hrs			

26	Sundays & Public Holidays	hrs				
	Welder					
27	Normal Hours	hrs				
28	After Hours	hrs				
29	Sundays & Public Holidays	hrs				
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ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	<p>BILL 3</p> <p>PREVENTATIVE MAINTENANCE SCHEDULES</p> <p>NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p> <p>NOTE: Unless otherwise stated herein, all rates should include compensation for costs to execute the works whatever quantity is required and should provide for establishment, preliminary and general costs, and all other costs associated with the execution and supervision.</p> <p>The Client reserves the right to negotiate mutually agreed discounts on tendered rates for large quantities</p>					

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	SUM
	<p>PROVISIONAL PREVENTATIVE MAINTENANCE SCHEDULES</p> <p>Contractor is to refer to the attached scope of works for detailed requirements for executing the preventative maintenance schedules.</p> <p>Carry out weekly inspection & complete required maintenance tasks for schedules issued on a weekly basis or as matters arise</p> <p>Carry out monthly inspection & complete required maintenance tasks for schedules issued on a monthly basis.</p> <p>Carry out quarterly inspection & complete required maintenance tasks for schedules issued on a quarterly basis.</p> <p>Carry out all handy man related work (Refer to attached specification regarding inclusions, note that for any matter or item that may arise which is not scheduled in the BOQ, than that item of work will be executed by the onsite handy man on duty.)</p>					

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	SUM
1	Day Works (1 x Supervisor & 1 x Handy Man & 1 x General Assistant - 5 Times per week - Mon - Fri - 08:00am 16:30 - 8 hour shift)	week				
2	Night Works (1 x Handy Man & 1 General Assistant - 5 Times per week - Mon - Fri - 19:00pm - 05:00am - 9 hour shift) Note: Average of 4 weeks per month, A week in this section is regarded as the period between Monday & Friday. Pro-rata calculation will apply where a full week has not been completed in any given month	week				
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ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	<p>SECTION NO. 2 BUILDINGS BILL NO. 2 CONCRETE, FORMWORK AND REINFORCEMENT</p> <p>Note: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 110 for JBCC CPAP Purposes.</p> <p>UNREINFORCED CONCRETE</p> <p>25Mpa/19mm concrete</p> <p>1 Surface beds m3</p> <p>2 Aprons m3</p> <p>REINFORCED CONCRETE</p> <p>30Mpa/19mm concrete</p> <p>3 Strip footing m3</p> <p>4 Bases m3</p> <p>5 Ramps m3</p> <p>6 Thickening under walls m3</p> <p>30Mpa/19mm concrete</p> <p>7 Slabs, including beams and inverted beams m3</p> <p>8 Isolated beams m3</p> <p>50Mpa/19mm concrete</p> <p>9 Columns m3</p> <p>TEST CUBES Making and testing 150 X 150 X 150mm concrete strength test cubes (provisional)</p> <p>10 No</p>					

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	CONCRETE SUNDRIES					
	Finishing of top surfaces of concrete smooth with a wood float including non-slip brush finish					
11	Surfaces beds, slabs, etc	m2				
12	Ramps	m2				
	Demolition and removal of damaged unreinforced concrete(100mm to 250mm) thick	m3				
	Demolition and removal of Damaged reinforced concrete(100 to 250 mm thick)	m3				
	TOTAL CARRIED CONCRETE, FORMWORK1st+2nd+3rd Yearly Amount					R -

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	<p>Section No. 2 BUILDINGS Bill No. 2 CONCRETE, FORMWORK AND REINFORCEMENT</p> <p><u>ROUGH FORMWORK</u> Rough formwork to sides</p>					
1	Ramp	m ²				
	<p><u>SMOOTH FORMWORK (DEGREE OF ACCURACY 1)</u></p> <p>Smooth formwork to sides and soffits</p>					
2	Rectangular columns	m ²				
3	Beams	m ²				
4	Edges, risers, ends and reveals not exceeding 300mm high or wide	m				
	<p>Smooth formwork to soffits</p>					
5	Landings	m ²				
	<p><u>MOVEMENT JOINTS ETC</u></p> <p>Two layers of 375 micron "Consol Plastic Brick grip DPC" in slip joints between horizontal concrete and brick surfaces, including cement mortar bed</p>					
6	Not exceeding 300mm wide	m				

	<p>Expansion joints with soft board between vertical Concrete and brick surfaces</p>					
7	10mm Joints exceeding 300mm high or wide	m ²				

8	10mm Joints not exceeding 300mm high along edges of surface beds	m				
<u>REINFORCEMENT (PROVISIONAL)</u>						
Mild steel reinforcement to structural concrete work						
9	12mm Diameter bars	t				
10	10mm Diameter bars	t				
11	8mm Diameter bars	t				
TOTAL CARRIED CONCRETE, FORMWORK1st+2nd+3rd Yearly Amount						R -

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	Section No. 2 BUILDINGS					

	Bill No. 2 CONCRETE, FORMWORK AND REINFORCEMENT					
	High tensile steel reinforcement to structural concrete Work					
1	20mm Diameter bars	t				
2	25mm Diameter bars	t				
3	12mm Diameter bars	t				
4	32mm Diameter bars	t				
5	Ref 555 Mesh wire	t				
	Fabric reinforcement					
5	Type 193 fabric reinforcement in concrete surface beds, Slabs, etc	m ²				
TOTAL CARRIED CONCRETE, FORMWORK						1st+2nd+3rd Yearly Amount
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ITEM NO	DESCRIPTION	UNIT	1 ST Year/Qua ntity RATE	2 ND Year/Quant ity RATE	3 RD Year/Qua ntity RATE	1st+2nd+3r d Yearly Amount
	Section No. 2 BUILDINGS Bill No. 3 MASONRY Pointing					

1	<p>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</p> <p>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><u>FOUNDATIONS</u></p> <p>Brickwork of NFX bricks (14Mpa nominal compressive strength) in class 1 mortar</p>	m ²				
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	<p><u>SUPERSTRUCTURE</u></p> <p>Brickwork of NFP bricks in class II mortar</p>					
2	Half brick walls	m ²				
3	Half brick walls in beam filling	m ²				
4	One brick walls	m ²				
	<p><u>FACE BRICKWORK</u></p> <p>Approved yellow face bricks at a net purchase price of R3500/1000 bricks delivered to site with</p>					

	square recessed and pointed with flush horizontal and vertical joints in a stretcher bond					
5	Extra over brickwork for face brickwork in foundations	m ²				
6	Extra over brickwork for face brickwork	m ²				
	TOTALCARRIED1st+2nd+3rd Yearly Amount					R -

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	Face brick-on-edge course copings, kills, etc., at a net purchase price of R2500/1000 bricks delivered to site with square recessed and painted with flush horizontal and vertical joints on all exposed faces					
1	Brick-on-edge coping 255mm high on top of one and half brick wall	m				
2	220mm wide sill set level and slightly projecting	m				
	Brickwork reinforcement					
3	75mm Wide reinforcement built in horizontally	m				
4	150mm Wide reinforcement built in horizontally	m				
	Concrete prestressed fabricated lintels					

5	110x70mm Lintels in lengths not exceeding 3m	m				
6	220x70mm Lintels consisting of two 110x70mm lintels side by side in lengths not exceeding 3m	m				
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				
TOTALCARRIED1st+2nd+3rd Yearly Amount						R -

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
-	<p>Section No. 2</p> <p>BUILDINGS</p> <p>Bill No. 5</p> <p>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>					

1	<p>0.6mm Thick "Brown built" Z275 spelter galvanised steel sheeting with pre-painted "Chromadek Gemsbok Sand" finish one side and half coat</p> <p>"Global coat Grey" other side and accessories fixed to steel purlins or rails in strict accordance with manufacturer's specifications by an approved contractor.</p> <p>Roof covering with pitch not exceeding 18 degrees, in transportable lengths not exceeding 20m</p> <p>0.6mm Thick "Brown built" Z275 spelter galvanised steel sheeting with pre-painted "Chromadek Gemsbok Sand" finish one side and half coat</p>	m ²				
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	<p>"Global coat Grey" other side and accessories fixed to steel purlins or rails in strict accordance with manufacturer's</p>					
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2	<p>specifications by an approved contractor.</p> <p>Roof covering with pitch not exceeding 25 degrees, in transportable lengths not exceeding 20m but fixed to steel purlins</p> <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>	m ²				
3	Hip capping 550mm girth three ties bent and notched to suit roof profile	m				

4	Headwall flashing 375mm girth, two times bent along girth and notched to suit roof profile	m				
5	Extra over roof covering for 85 degrees forward bullnose to 80mm radius at edge	m				
6	Extra over roof covering for 85 degrees forward bull nose to 600mm radius at edge	m				

7	Double roman concrete roof tile	No				
8	Cleaning of gutters and downpipes	m				
TOTALCARRIED1st+2nd+3rd Yearly Amount						R

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
1	<p>Section No. 2 BUILDINGS Bill No. 5 ROOF COVERING</p> <p><u>ROOF AND WALL LINING AND INSULATION</u></p> <p>Double sided 4mm "thermal insulation 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 tensioned between and fixed to eaves and apex purlins with hoop iron and rivets, all in accordance with the manufacturer's specifications</p>	m ²				

	TOTAL CARRIED1st+2nd+3rd Yearly Amount					R
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ITEM NO	DESCRIPTION	UNIT	1 ST Year/Qu antity RATE	2 ND Year/Qua ntity RATE	3 RD Year/Quan tity RATE	1st+2nd+3rd Yearly 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 trussell</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: (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 Brown built heavy industrial 275 spelter galvanised ribbed sheet steel on 50 x 38mm Patterns at maximum 320mm centres Ceilings consist of 6.4mm rhino board 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 Brown built heavy industrial 275 splitter galvanised ribbed sheet steel and 6.4mm rhino board ceilings. Each roof truss shall have its members cut and close butted together and rigidly fixed by CSIR approved patented galvanised metal spiked connectors, fixed on both sides of intersection by an approved method, all in accordance with the manufacturers' instruction.</p> <p>(c) Unless otherwise described all rafter feet are to extend</p>					
	TOTALCARRIED1st+2nd+3rd Yearly Amount					R

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd +3rd Yearly Amount
	<p>600mm beyond the length of the tie beam, with ends twice splay cut</p> <p>(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.</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>Sawn South African Pine</p> <p>38x114mm Wall plate</p> <p>Roof trusses supplied and erected complete according to the Architect Drawing at the back of these Bill of Quantities (Office side approximately 71 square metres on plan)</p>	m				
3	38mm x38 mm Solid Timber(without joints)	m				

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	<u>DOORS ETC</u>					
	Wrought meranti doors hung to steel frames					
4	D1	No				
5	D2 2100mmx1628mm	No				
6	D3 2100mmx813mm	No				
7	D4	No				
8	D5	No				
9	D6	No				
10	D7	No				
11	D8	No				
	TOTALCARRIED1st+2nd+3rd Yearly Amount					R

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Q quantity RATE	2 ND Year/Q quantity RATE	3 RD Year/Q quantity RATE	1st+2nd+3rd Yearly Amount
	<p>Section No. 2</p> <p>BUILDINGS</p> <p>Bill No. 6</p> <p>CARPENTRY AND JOINERY</p> <p><u>SEMI SOLID CORE FLUSH DOORS</u></p> <p>Semi-Solid flush doors with 3.2 mm hardboard covering on both Sides with hardwood finger-jointed stiles, hung to pressed steel frame.</p>					
1	40 mm Door 813 x 2032 mm high D6, D7	No				
	<p><u>SEMI SOLID CORE FLUSH DOORS</u></p>					
2	40 mm Door 813x 2032 mm high D5	No				
3	40 mm Double door 1511 x 2032 mm high, with two equal leaves with rebated meeting stiles D4	No				
	<p><u>STEEL DOORS</u> of 1,2mm thickness</p>					
1	Door leaf, 1625x2032 ,M/L,O/O	No				
2	Door leaf, 914x2032 M/I I/N/R/H or L/H	No				
3	Door, 813x2032 M/L, O/I, L/H or R/H	No				
4	Backing panels/leaf 1mm Doors 805x2025x40mm	No				
	TOTALCARRIED1st+2nd+3rd Yearly Amount					R

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	<p><u>SECTION NO.2</u></p> <p><u>BUILDINGS</u></p> <p><u>BILL NO. 7</u></p> <p><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>NOTE:</p> <p><i>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 pr 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><u>CEILINGS, ETC</u></p> <p>Flexible reinforced insulation</p> <p>74mm Thick flexible non-combustible lightweight (nominal 4 density 10kg/m³) fibreglass reinforced insulation blanket closely fitted with ends butted firmly and laid loose on top of ceiling</p> <p><u>NAILED UP CEILINGS</u></p> <p>6,4mm Gypsum plasterboard with H-profile cold rolled Galvanised steel jointing strips</p> <p>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 (elsewhere)</p>					
1		m ²				
2		m ²				
	TOTAL CARRIED 1st+2nd+3rd Yearly Amount					R

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Qu antity RATE	3 RD Year/ Quant ity RATE	1st+2nd Yearly A
1	<p>Section No. 2 BUILDINGS Bill No. 7 CEILINGS, PARTITIONS AND ACCESS FLOORING</p> <p>Extra over ceiling for 600x600mm trap door of 52x114mm wrought softwood rebated framing with one 38x38mm sawn softwood cross bander covered with ceiling board and fitted flush in opening.</p>	No				
2	<p>"Rhino" gypsum plasterboard cornices</p> <p>75mm Coved cornices</p>	m				
3	<p>Gutter Galv w100-200 H75-150</p>	m				
		TOTALCARRIED1st+2nd+3rd Yearly Amount				R

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	<p><u>SECTION NO.2</u></p> <p>BUILDINGS</p> <p><u>BILL NO. 8</u></p> <p><u>IRONMONGERY</u></p> <p>NOTE:</p> <p><i>bill shall be deemed to fall into Work Group No 132 for JBCC CPAP purposes</i></p> <p><u>BARREL BOLTS, ETC:</u></p>					
1	100mm "Solid Art 204/B40" chromium plated barrel bolt and Keep.	No				
	<p><u>LOCKS</u></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				
3	"Solid Art 390/313 chromium plated four level lockset.	No				
4	"Solid Art 390/313" chromium plated four level lockset.	No				
5	Master key	No				
	<p>Sundries</p>					
6	"Solid Art 255/E41" long pin doorstep.	No				
7	Stainless steel toilet roll holder "Art No. TR 3" by "Amalgamated Super Sales (Pty) Ltd."	No				
8	Stainless steel soap holder by "Amalgated Super Sales (Pty) Ltd"	No				
9	"Solid Art 252" chromium plated coat hook.	No				
10	1,6mm Thick stainless kicking plate size 810mm wide x 230mm high.	No				

	TOTALCARRIED1st+2nd+3rd Yearly Amount				R
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ITEM NO	DESCRIPTION	UNIT	1ST Year/Quantity RATE	2ND Year/Quantity RATE	3RD Year/Quantity RATE	1st+2nd+ 3rd Yearly Amount
	<u>BATHROOM FITTINGS</u>					
1	32mm diameter stainless steel "Chairman Industries" code SR 1 rear grab rail, plugged	No				
2	32mm diameter stainless steel cistern straddle rail SR2, 750mm long plugged and screwed to walls with stainless steel screws	No				
3	32mm diameter dog leg rail 1060mm long as Industries" code DL3 or other approved grab rail, plugged	No				
	TOTALCARRIED1st+2nd+3rd Yearly Amount					R

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	<p>Section No. 2</p> <p>BUILDINGS</p> <p>Bill No. 9</p> <p>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 Brown built heavy industrial 275 splitter 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 Brown built heavy industrial 275 spelter 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><u>STEEL TRUSSES ETC</u></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	<p>Single pitch lattice trusses</p> <p>Bolts to trusses etc</p>	t				
2	<p>High tensile bolts</p>	t				
3	<p>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</p>	Prov1st+2nd+3rd Yearly Amount				
4	<p>Handling cost and profit in respect of item 3</p>	%				
	TOTALCARRIED1st+2nd+3rd Yearly Amount					R -

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quan tity RATE	2 ND Year/Qu antity RATE	3 RD Year/Qu antity RATE	1st+2nd+3rd Yearly Amount
	<p><u>SECTION NO.2</u></p> <p><u>BUILDING</u></p> <p><u>BILL NO. 9</u></p> <p><u>STRUCTURAL STEELWORK</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>NOTE:</p> <p style="padding-left: 40px;"><i>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>Welded 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>					
	TOTALCARRIED1st+2nd+3rd Yearly Amount					

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
1	<p>Section No. 2 BUILDINGS Bill No. 9 STRUCTURAL STEELWORK</p> <p>Purlins and girts bolted to steel</p> <p>Angle section purlins</p>	t				
2	<p>Welded bracing etc with flat section connection plates Bolted to steel</p> <p>Angle section bracing</p>	t				
3	<p>Angle section sag rails</p>	t				
	<p>TOTALCARRIED1st+2nd+3rd Yearly Amount</p>					R

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	<p>SECTION NO. 2</p> <p>BUILDINGS</p> <p>BILL NO. 12</p> <p>TILING</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Descriptions</p> <p>NOTE: <i>Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 144 for JBCC CPAP purposes</i></p> <p><i>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</i></p> <p><u>CERAMIC TILES</u></p> <p><u>WALL TILING</u></p> <p>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 R80.00per square meter (exclusive of VAT) for the supply of tiles only and include for all waste, transport, labour and profit in the applicable "rate"</p>					
1	On walls	m2				
2	On narrow widths	m2				
3	on walls removal of damaged tiles	m2				
4	on walls narrow width removal of damaged tiles	m2				
	TOTALCARRIED1st+2nd+3rd Yearly Amount					R

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Qu antity RATE	2 ND Year/Qu antity RATE	3 RD Year/Qu antity RATE	1st+2nd+3rd Yearly Amount
	<p>SECTION NO. 2 BUILDINGS BILL NO. 12 TILING</p> <p>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 R180.00 per square meter (exclusive of VAT) for the supply of tiles only and include all waste, transport, labour and profit in the applicable "rate"</p> <p>1 On floors</p> <p>2 demolishing old damaged and off site removal</p>	<p>m2</p> <p>m2</p>				
	<p>TOTALCARRIED1st+2nd+3rd Yearly Amount</p>					<p>R</p>

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	<p>SECTION NO. 2</p> <p>BUILDINGS</p> <p>BILL NO. 13</p> <p>PLUMBING AND DRAINAGE</p> <p>(PROVISIONAL)</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>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</p> <p>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</p> <p>“ Frankie Kitchen Systems</p> <p>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> <p>testing of 50- 160 wastewater pipe</p>	<p>No</p> <p>m</p>				
	TOTALCARRIED1st+2nd+3rd Yearly Amount					R

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	Section No.2					
	BUILDINGS					
	Bill No.13					
	PLUMBING					
	UPVC pipes					
1	110mm Pipes vertically or ramped to cleaning eyes etc(no excavation)	m				
2	110mm Pipes laid in and including trenches not exceeding 1m deep	m				
3	110mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep	m				
	Extra over uPVC pipes for fittings					
4	110mm bend	No				
5	110mm junction	No				
6	110mm access bend	No				
7	110mm access junction	No				
8	110mm access reducing junction	No				
9	110mm gulley complete with deep seal "P" trap and iron grid	No				
	SANITARY FITTINGS					
	Sanitaryware "vitreous" wash hand basins and pedestals					
10	455x 290mm 'bantam' white vitreous "cloakroom basin (product code 7030) with two tapholes including integrated overflow and chain stay hole, bolted to wall with two 10mm bolts (product code 8448Z0)	No				
	Sanitaryware "vitreous" WC suites					
11	"Protea "semi-close coupled white vitreous " 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				
12	"Protea Paraplegic" white vitreous " 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				
	TOTALCARRIED1st+2nd+3rd Yearly Amount					R

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
1	<p>""Sanitary" vitreous `` urinal</p> <p>Lavatera white vitreous `` 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 code8127Z0) plugged and screwed to wall.</p> <p><u>WASTE UNIONS ETC</u></p>	No				
2	32 mm code 301 chrome plated basin waste union.	No				
3	40 mm Code 316 chrome plated unslotted bath or sink waste union.	No				
	<u>TRAPS ETC</u>					
	"Vulcathene"					
4	40 mm Deep seal "P" or "S" trap	No				
5	40 x 300 mm Sink combination for double bowl with deep seal "P" trap	No				
	<u>TAPS, VALVES, ETC</u>					
	Brass					
6	15mm Full way gate valve	No				
7	20mm Full way gate valve	No				
8	22 mm Hose bib tap and union	No				
	`` Water tech" light pattern angle regulating valves					
9	15 x 10mm Code 232/10 chrome plated angle regulating valve with adaptor nut and ring	No				
10	10 mm Diameter X 350 mm long code C-232PIPE chrome plated supply tube and capnut.	No				
11	15 mm Code 232/350 chrome plated angle regulating valve with 350 mm long flexible service connection	No				
	TOTALCARRIED1st+2nd+3rd Yearly Amount					R -

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	<p align="center">Section No.2</p> <p align="center">BUILDINGS</p> <p align="center">Bill No.13</p> <p align="center">PLUMBING</p> <p>Water tech ""Star", "Aquila" and" Carina bib taps</p>					
1	15mm Chrome plated code 106CA-15 "Carina" toilet bib tap	No				
2	20mm Chrome plated code 106CA-20 "Carina" toilet bib tap	No				
	"Water tech ""Star", "Aquila" and" Carina pillar bib taps					
3	15 mm Chrome plated code 114CA-15 "Carina" square pattern pillar tap with aerator	No				
4	15mm Chrome plated code 138-15" "" under tile stopcock	No				
5	15mm Chromium plated code 503-21 elbow action pillar tap	No				
	" Water tech " "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				
	"Water tech "toilet and urinal flush valves					
7	32mm Chrome plated exposed back entry toilet flush valve as Flush master FM2.100 with integral non-hold open and shut off valve including straight flush pipe (code FMT3.4CP)	No				
	<u>SANITARY PLUMBING</u>					
	uPVC PIPES					
8	50mm Pipes	No				
9	110mm Pipes	No				
10	50mm Pipes chased into brickwork	No				
11	50mm Pipes laid in and including trenches not exceeding 1m deep under surface beds	No				
12	110mm Pipes laid in and including trenches not exceeding 1m deep under surfaces beds	No				
	Extra over uPVC pipes for uPVC fittings					
15	50mm End cap	No				
	TOTALCARRIED1st+2nd+3rd Yearly Amount					R

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	Section No.2					
	BUILDINGS					
	Bill No.13					
	PLUMBING					
1	110mm End cap	No				
2	110mm Eccentric reducer	No				
3	50mm Bend	No				
4	110mm Bend	No				
5	50mm Junction	No				
6	110mm Junction	No				
7	110 Reducing junction	No				
8	50mm Access bend	No				
9	110mm Access bend	No				
10	110mm Access bend with anti syphon horn	No				
11	110mm Straight pan connector	No				
12	110mm Bent pan connector	No				
13	110mm One way vent valve	No				
	Sundries					
14	Testing waste pipe system	No				
	<u>WATER SUPPLIES</u>					
	Class O copper pipes with capillary couplings					
15	15mm Pipes	No				
16	22mm Pipes	No				
17	15mm Pipes chased into brickwork	No				
18	22mm Pipes chased into brickwork	No				
	Extra over class O copper pipes for capillary fittings					
19	15mm fittings	No				
20	15mm fittings	No				
	TOTALCARRIED1st+2nd+3rd Yearly Amount					R

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	<p>SECTION NO. 2</p> <p>BUILDINGS</p> <p>BILL NO. 14</p> <p>GLAZING</p> <p><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></p> <p>Glazing to steel sashes fixed with approved putty:</p>					
1	4mm clear float glass in panes exceeding 0,1 and not exceeding 0,5 m2.	m2				
2	4mm Roughcast obscure glass in panes exceeding 0,1 and new exceeding 0,5 m2.	m2				
3	4mm clear float glass in panes exceeding 0,5 and not exceeding 2,0 m2	m2				
4	6,3 mm shatterproof clear float glass exceeding 1 and not exceeding 5m2	m2				
5	Universal Handle 195mm Natural	No				
6	Stainless Steel D/32/300 Single Crank Handle	No				
7	Friction Stay 430 Stainless Steel 300mm Top Hung	No				
8	Mico Dead Lock 23mm	No				
9	Hoolock Cylinder 23mm (For Narrow Door Profile)	No				
10	Leften Handler	No				

11	Handle - Cranked D - 350mm - `` - s/s	No				
12	Handle - S/Front Univ - 190mm - `` -Natural	No				
13	F/stay - T/H Square - 400mm - `` - 304	No				
14	Cylinder -60 - `` - Brass Nickel Plated	No				
15	Lock Slam - Guardian	No				
16	aluminium u-bedding for old door glass support	m				
4	<u>MIRRORS</u> installation of 1,8m x 0,6m mirror it to new area within the bathroom Chromium plated dome headed screws with rubber spacer Washers behind, to and including hardwood plugs in wall.	no No				
	TOTALCARRIED1st+2nd+3rd Yearly Amount					R -

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	<p>SECTION NO. 2</p> <p>BILL NO. 15</p> <p>PAINTWORK(repairs and installation)</p> <p>PAINTWORK, ETC TO NEW WORK ON</p> <p><i><u>NOTE:</u> Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 150 for JBCC CPAP purposes</i></p> <p>FLOATED PLASTER SURFACES WITH</p> <p>One coat alkali resistant plaster primer and two coats PVA Acrylic emulsion paint on ;</p>					
1	Internal walls	m2				
2	Internal ceilings and beam One coat oil wood primer, one coat universal undercoat And two coats super universal enamel paint on	m2				
3	Door	m2				
4	Doors frames, etc	m2				
5	Window frames, etc	m2				
6	Removal of worn out /peel out paint using mechanical system	m2				
7	Removal of worn out /peel out paint using sanding paper and scraper	m2				
	TOTALCARRIED1st+2nd+3rd Yearly Amount					R

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount

SECTION 3					
GENERAL SITE WORKS					
BILL NO. 1					
EARTHWORKS(repairs and installation)					
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			
<u>End of excavations in earth)</u>					
2	Excavation in "soft rock"	m3			
3	Excavation in had rock"	m3			
<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			
<u>Risk of collapse to side of exaction in "earth" exceeding 1.5m deep starting from average natural, reduced or consolidated ground level for:</u>					
5	Septic tank excavation	m2			
<u>Working space</u>					
<u>Keeping excavations free from water</u>					
6	Allow for keeping excavations free from water	item			
TOTALCARRIED1st+2nd+3rd Yearly Amount					R

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	<p>SECTION NO. 2 BILL NO. 15 PAINTWORK PAINTWORK, ETC TO NEW WORK ON</p> <p>- NOTE: <i>Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 150 for JBCC CPAP purposes</i></p> <p><u>FLOATED PLASTER SURFACES WITH</u> One coat alkali resistant plaster primer and two coats PVA Acrylic emulsion paint on ;</p> <p>1 Internal walls</p> <p>2 Internal ceilings and beam One coat oil wood primer, one coat universal undercoat And two coats super universal enamel paint on</p> <p>3 Door</p> <p>4 Doors frames, etc</p> <p>5 Window frames, etc</p> <p>6 sand blasting of old paint</p> <p>7 removal of old paint by sand paper on metal/steel/wood</p>	<p>m2</p> <p>m2</p> <p>m2</p> <p>m2</p> <p>m2</p> <p>m2</p> <p>m2</p>				
	TOTALCARRIED1st+2nd+3rd Yearly Amount					R

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	<p>SECTION 3</p> <p>GENERAL SITE WORKS</p> <p>BILL NO. 1</p> <p>EARTHWORKS(repairs and installation)</p> <p>Workgroup No 104 for JBCC CPAP purposes</p> <p>THE FOLLOWING IN ONE SEPTIC TANKS AND FRENCH DRAINS</p> <p>SEPTIC TANK</p> <p>Earthworks</p> <p><u>Excavate in "earth" below natural ground level (backfilling and carting away surplus material elsewhere) to:</u></p>					
1	<p>Bulk excavation exceeding 2m but not 4m deep</p> <p><u>End of excavations in earth)</u></p>	m3				
2	Excavation in "soft rock"	m3				
3	Excavation in had rock"	m3				
	<p><u>Cart away excavated material</u></p> <p>Extra over all excavations for loading and carting away surplus excavated material to a suitable dumping ground to be located by the Contractor.</p>					
4		m3				
	<p><u>Risk of collapse to side of excavation in "earth" exceeding 1.5m deep starting from average natural, reduced or consolidated ground level for:</u></p>					
5	<p>Septic tank excavation</p> <p><u>Working space</u></p> <p><u>Keeping excavations free from water</u></p>	m2				
6	Allow for keeping excavations free from water	item				
	TOTALCARRIED1st+2nd+3rd Yearly Amount					R

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	SECTION 3					
	GENERAL SITE WORKS					
	BILL NO. 1					
	EXTERNAL WORKS(repairs and installation)					
	<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 modifies AASHTO maximum density, to receive concrete slab.	m2				
	<u>Concrete formwork and reinforcement</u>					
	<u>25Mpa/20mm concrete</u>					
2	Septic tank floor slab	m3				
3	Septic tank cover slab	m3				
	<u>Formwork</u>					
	<u>Rough formwork to:</u>					
4	Soffit of septic tank cover slab and remove through small opening	- m2				
5	Opening through 150mm thick slab exceeding 2m and not exceeding 3m girth	No				
	<u>Reinforcement</u>					
	High tensile steel reinforcement to structural concrete work					
6	10mm Diameter bars	t				
7	12mm Diameter bars <u>Fabric reinforcement having a surface that is plain, indented or otherwise deformed (measured nett)</u>	t				
8	Welded fabric ref. 395 to slabs	m2				
	<u>Precast concrete</u>					
9	Precast concrete surround to manhole suitable to receive cast iron cover and frame size 600mm x 600mm	No				
	TOTALCARRIED1st+2nd+3rd Yearly Amount					R

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	<p>SECTION 3</p> <p>GENERAL SITE WORKS</p> <p>BILL NO. 1</p> <p>EXTERNAL WORKS(repairs and installation)</p> <p>MASONARY</p> <p><u>Brickwork in 73mm extra hard burnt clay masonry units class NFX in 6:1 cement mortar in:</u></p>					
1	Half brick wall	m2				
2	One brick wall	m2				
	<u>Reinforcement to brickwork</u>					
3	Steel fabric 150mm wide	m				
	<u>Waterproofing</u>					
	250 Micron green medium density dampproof membrane laid loose on top of stone filling in French drain with pressure sensitive tape jointing	m2				
	<u>Internal plaster</u>					
5	One coat (4:1) cement plaster on septic tank walls	m2				
6	Ditto, to narrow widths	m2				

	<u>Class 4 uPVC pipes</u>				
7	160mm pipe and excavation not exceeding 1m deep	m	1		
8	160mm uPVC channel	m	1		
9	Extra over uPVC pipe for 110mm junction	No	1		
10	450 x 600mm x 38kg Cast iron single manhole cover and frame	No	1		
	<u>Extra over Class 4 uPVC pipes for fittings</u>				
11	160mm Bend	No	1		
12	160mm Access junction	No	1		
13	160mm Access bend	No	1		
	<u>THE FOLLOWING IN BRICK TYPE MANHOLE</u>				
	TOTALCARRIED1st+2nd+3rd Yearly Amount				R

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Q quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	SECTION 3 GENERAL SITE WORKS BILL NO. 1 EXTERNAL WORKS(repairs and installation)					
	<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>					
1	Manhole exceeding 1,75m and not exceeding 2m deep	No				
	PERCOLATION TRENCHES <u>Earthworks</u>					
	Excavate in "earth" below natural ground level (backfilling and carting away surplus material elsewhere) to:					
2	Trench not exceeding 2m deep	m3				
	<u>Extra over trench excavations in "earth" for:</u>					
3	Excavating in "soft rock"	m3				
	-	-				
4	Excavating in "hard rock"	m3				
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				
	TOTALCARRIED1st+2nd+3rd Yearly Amount					R -

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	<p>SECTION 3</p> <p>GENERAL SITE WORKS</p> <p>BILL NO. 1</p> <p>EXTERNAL WORKS(repairs and installation)</p> <p><u>Risk of collapse</u></p> <p>Risk of collapse to side of excavation in "earth" exceeding 1,5m deep starting from average natural, reduces or consolidated ground level for:</p>					
1	Trenches	m2				
	<p><u>Keeping excavations free from water</u></p>					
2	Allow for keeping excavations free from water	item				
	<p><u>Backfilling to trenches, etc:</u></p>					
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				
4	River sand	m3				
	<p>-</p> <p><u>Stone filling</u></p>	-				
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				

	<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				
	<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				
	Extra over 100mm internal diameter pitch-impregnated fibre pipe with perforated walls for:					
8	Plain bend	No				
9	Junction	No				
	TOTALCARRIED1st+2nd+3rd Yearly Amount					R -

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
1	<p>Section No. 3 EXTERNAL WORKS Bill No. 1 EXTERNAL WORKS(repairs and installation) <u>FENCING</u></p>					
2	<p>Security fencing , gates, etc including two coats aluminium paint on metal stays, framing , etc</p> <p>Security fencing with 1,83m high welded wire mesh and four straining wires</p> <p>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)</p>	m				
3	<p>50mm diameter steel raking strut with 2,5mm wall thickness 2000mm 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.</p>	No				
4	<p>50mm diameter steel intermediate post with 2,5mm wall Thickness 2100mm long with 150x150x6mm thick flange Plate welded on bottom end</p>	No				

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				
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				
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				
8	Ditto but double gate 6.0 x 1.8m high	No				
TOTALCARRIED1st+2nd+3rd Yearly Amount						R

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	Section No. 3					
	EXTERNAL WORKS(repairs and installation)					
	Bill No. 1					
	Concrete Palisade					
1	All steel used in prefabricated elements for reinforcement must be high yield steel with a minimum characteristic strength of 410 MPa and must comply with SABS 920					
2	THE POSTING:					
	2.1 The posts are 3.0m long and slotted to accept the horizontal load-bearing rails, as illustrated in the illustration. The back piece is 140mm broad and the front piece is 80mm wide. The thickness of the post must be 225mm. Posts must be spaced at 2.0m intervals in a concrete foundation. The post's top is angled at a 45-degree angle.					
	Each post is made up of four high-yield carbon steel bars that are 4mm thick and 2900mm long	No	1			
3	3. PALES or PALING: The pales are 2.4 meters long and include two 10mm holes for carriage bolts that are 8mm in diameter. The thickness of the pales must be 75mm. Per 2-meter length, a total of 9 (set not unit) pales are installed, spaced at +/- 200mm centers.	No	1			

4	4. FASTENERS					
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	The fence was constructed with mild steel nuts, bolts, and washers. Electro galvanized (zinc and chrome) fasteners	No					
	All bolt holes are filled with cement mortar, eliminating the need for electro galvanized fasteners. The grout is made out of a 2 to 1 sand/cement mix	No					
5	cross precast member (horizontal item where pales piling are attached to)	No					
6	6. CONSTRUCTION:						
	6.1. Each post is placed in a 600mm deep 550mm x 450mm concrete foundation hole.	unit					
	6.2. Each post is placed in a 600mm deep 800mm x 650mm concrete foundation of 19/25 MPA	m ³					
	6.3. The sizes listed in par. 6.1 are for hard soils; larger sizes may be required for softer yielding soils.						
	6.4. The strap beam footing foundation between two post will be done with ref 395 mesh wire shall be of 500mm deep 400mm x400mm concrete foundation excavations	m ³					
	6.6. The foundation shall have a minimum pressure of 25 MPa after 28 days	m ³					
7	removal of pales or piling for re-used and re-installation	No					
8	Take down palisade panel inclusive of pales, post and cross precast members for re-use by the municipality at the later stage	No					
9	carted away of waste material after work	item					
TOTALCARRIED1st+2nd+3rd Yearly Amount							

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Q quantity RATE	2 ND Year/Q quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
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	Section No. 3					
	EXTERNAL WORKS(repairs and installation)					
	Bill No. 1					
1	Clearvu Parameter wall Fence					
	All steel used in prefabricated elements for reinforcement must be high yield steel with a minimum characteristic strength of 410 MPa and must comply with SABS 920					
2	THE POSTING:					
	2.1 The posts are 2,4 m long galvanised and slotted to accept the horizontal load-bearing rails, as illustrated. Is in a concrete foundation.	No				
	2. 2 installation of clearvu invisible wall panel: panel width of 3.305,height of 2,4m,wire diameter of 3mm .wall panel must be Mesh Galvanized (aluGalv coated)	No				

3	3. installation of clearvu invisible wall panel: panel width of 3.305,height of 1,8m,wire diameter of 3mm .wall panel must be Mesh Galvanized (aluGalv coated)	No				
4	4. FASTENERS					
	clamps and Tech Bolts (screwed and chemically anchored on bolts for anti-theft of wall panels)	No				
5	clamps and Tech Bolts (welding Tech screw for anti-theft of existing wall panels)	No				

6	6. CONSTRUCTION:					
	6.1. Each post is placed in a 600mm deep 550mm x 450mm concrete foundation hole.	No				
	6.3. The sizes listed in par. 6.1 are for hard soils; larger sizes may be required for softer yielding soils.					
	6.4. The beam footing foundation between two post will be done of 500mm deep 400mm x400mm concrete foundation excavations and concrete footing of 19/25MPA	m ³				
7	carted away of waste material after work	item				
	PARAMETER FENCE GATE					
8	8.1 Gate with high security panel high tensile (500MPA+) Proposal 12mmx 76mm aperture :ref 577 Two Leaf Gate (7mx2,4) opening 3mmx4mm Galv1 including locking mechanism	no				
	8.2 Gate with high security panel high tensile (500MPA+) Proposal 12mmx 76mm aperture :ref 577 sliding Gate (7mx2,4) opening 3mmx4mm Galv1 including locking mechanism	no				
	• heavy duty Gate Post excavation of footing , casting of 0.2 m3 of 25 MPA concrete for Post	no				
	Heavy duty gate of 76mmx12mmx 5mm steel frame with 3mm solid steel panel (opening size 7,2m long by 2,4m height) painted with unitrust coat and steel enamel paint	No				
TOTALCARRIED1st+2nd+3rd Yearly Amount						

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd +3rd Yearly Amount
	Section No. 3 EXTERNAL WORKS Bill No. 1 EXTERNAL WORKS GUARD HOUSE					

1	<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> <p>Excavate for surface trenches</p> <p>sundries</p>	m ³				
2	<p>Extra over all excavations in compacted pickable material for excavation in hard rock as described</p>	m ³				
	<p>FILLING, ETC</p>					
3	<p>excavated material in backfill, saturated to optimum moisture content</p>					
	<p>compacted to 95% modified AASHTO into trenches, including</p>	m ³				
	<p>haulage not exceeding 100m from the perimeter of the excavation</p>					
4	<p>50 mm thick layer approved clean sand filling under surface beds</p>	m ²				
5	<p>saturate ground under solid floors etc, with ant poisoning consisting</p>					
	<p>of a 5% solution of pentachlorophenol in mineral oil, sprayed or</p>	m ²				
	<p>poured onto ground with a can with a coarse rose using 4 litres of</p>					
	<p>moisture of each square metre of surface area</p>					

	Reinforced concrete				
	25Mpa/19mm concrete				
6	Strip Footing	m ³			
7	Floor slab	m ³			
8	Concrete Sundries	m ³			
	Finishing of top surface of concrete smooth with float including non-slip brush finish				
9	Slab	m ²			
	MANSONRY				
	Foundations				
	Brickwork of NFX bricks (14Mpa nominal compressive strength) in class 1 mortar				
10	One brick walls	m ²			
	Superstructure				
	Brickwork of NFP bricks in class II Mortar with plastering				
13	One brick walls	m ²			
14	Plastering	m ²			

	<p>Section No. 3 EXTERNAL WORKS(repairs and installation)</p> <p>Bill No. 1 EXTERNAL WORKS</p> <p><u>FACE BRICKWORK</u></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	m2				
6	Extra over brickwork for face brickwork	m ²				
	<u>Metal Work</u>					
15	Complete steel door with frame and handles (21034x800mm)	no				
16	Complete NC4 window with glass	no				
	Roofing					
17	SABS approved galvanised IBR iron sheet	m ²				
18	76x52mm SA pine grade 4 purlins	m				
19	114x38mm SA pine grade 6 rafter	m				
20	225x15mm fibre cement fascia board	m				
21	Carted away material	m3				
	TOTALCARRIED1st+2nd+3rd Yearly Amount					R -

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	Section No. 3					
	EXTERNAL WORKS					
	Bill No. 1					
	EXTERNAL WORKS(repairs and installation)					
	Supply deliver and install:					
1	10 000 Litre polyethylene water tank (Jo make or equivalent). (2980mm high x 2 200mm diameter). Tank complete with 50 x 40 DN nylon bushes sealed into all inlets and outlets. Include for anchorage onto tank stand platform with 4mm diameter galvanized steel wire (bloudraad). (2 Strands/Anchor)	No	1			
2	Fabricated steel tank stand with 4,2m long legs, constructed complete, (incl. excavations and concrete footings 500mm length x500mm breath x 700mm deep)	Sum	1			
3	Outlet and overflow Pipe Schedule					
	a) 1½" to 40mm MALE ELBOW (Plasson)	No	1			
	b) 40mm Ø HDPE PIPE CLASS 10	m	1			
	c) 40mm Ø PLASSON ELBOW	No	1			
	d) 40mm Ø MALE ADAPTER (Plasson)	No	1			
	e) 40GMS bend F/F	No	1			
	l) 40mm Ø GMS ELBOW F/F	No	1			
	o) 40mm Ø GMS SOCKET	No	1			
4	Inlet Pipe Schedule (pump)					
	a) 1½ "TO 40mm MALE ELBOW (Plasson)	No	1			
	c) 40mm Ø PLASSON ELBOW	No	1			
	d) 40mm Ø MALE ADAPTER (Plasson)	No	1			
	o) 40mm Ø Galvanised socket	No	1			
5	200 mmX200mm X600mm block Concrete(15Mpa) Cable marker	No	2			
6	1x ELECTRICAL PUMP and CONTROL PANEL					
	Single Phase Control Panel, 0 - 0,75 Kw Pump Control Panel (Franklin or equivalent) Powder coated, not backed enamel	No	1			
6.1	1x ELECTRICAL PUMP and CONTROL PANEL					
	Single Phase Control Panel, 0 > 2,2 Kw	No	1			
7	Connection to existing electrical main DB including necessary trunking, CB and hole through wall	No	1			

8	<p>1x PRESSURE PUMP AND CONTROL PANEL</p> <p>(7.1)replacement of pressure pump 0,75kw (7,2)replacement of pressure pump 1,7kw min to 3,5kw</p> <p>Drilling: unconsolidated and consolidated sediments and igneous and metamorphic rocks for bore holes.</p> <p>Rotary air percussion 152 mm diameter</p> <p>Section No. 3 EXTERNAL WORKS Bill No. 1 EXTERNAL WORKS</p>	No No m				
9	<p>Casing, including supply, delivery and installation, but not including reaming, Casing</p> <p>uPVC casing Class 6 to be perforated at the bottom where water table is reached for borehole. 110 mm</p> <p>Steel casing (slotted) 165 mm (state wall thickness here as 4 mm) 215 mm (state wall thickness here as 4.5 mm) 254 mm (state wall thickness here as 4,5 mm) 273 mm (state wall thickness here as 6 mm)</p>	m m m m m				
10	<p>Reaming of boreholes up to 6m.</p> <p>152 / 165 mm to 203 / 219 mm diameter 203 / 219 mm to 254 mm diameter 152 / 165 mm to 254 mm diameter</p> <p>Sitting Borehole sitting Site assessment Desk study Sitting</p> <p>Testing supervision Sampling for water quality test and Reporting</p> <p>Blow yield tests Item for Operations and maintenance manuals 4 copies</p>	m m m no m no no hr Prov1st+2nd+3rd Yearly Amount				
	TOTALCARRIED1st+2nd+3rd Yearly Amount					

Section No. 3**EXTERNAL WORKS****Bill No. 1****PRICING SCHEDULE A**

BUSH CLEARING				
	Year 1	Year 2	Year 3	Year 1+Year 2+Year 3 (Sum)
Description	PRICE PER HECTARE	PRICE PER HECTARE	PRICE PER HECTARE	TOTAL PRICE PER HECTARE
(Prices include PPE, transport and administrative fees)	R	R	R	R
Bush clearing using labour intensive	R	R	R	R
Bush clearing using Dozer	R	R	R	R
Bush clearing tractor with slasher	R	R	R	R
Bush clearing and ground levelling using Machinery	R	R	R	R
Removal of waste to land fill site thereof	R	R	R	R
Total				R

PRICING SCHEDULE B

ALIEN CLEARING OF MUNICIPAL ERVEN, PRIVATE ERVEN				
	Year 1	Year 2	Year 3	Year 1+Year 2+Year 3 (Sum)
Description	PRICE PER HECTARE	PRICE PER HECTARE	PRICE PER HECTARE	TOTAL PRICE PER HECTARE
(Prices include PPE, transport and administrative fees)	R	R	R	R
Alien clearing using labour intensive	R	R	R	R
Alien clearing using Dozer	R	R	R	R
Alien clearing using TLB/Front end loader	R	R	R	R
Removal of waste to land fill site thereof	R	R	R	R
Total				R

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Quantity RATE	2 ND Year/Quantity RATE	3 RD Year/Quantity RATE	1st+2nd+3rd Yearly Amount
	Section No. 4					
	INTERNAL WORKS(repairs and installation)					
	BUILDING					
1	Window vertical blinds (replacement and installation)					
	fabric colour to be used will differ per office existing one					
	· strong 127mm wide fabric vanes					
	· Slimline white powder coated aluminium headrail					
	· Complete with white top hangers, bottom weights and stabilising chain					
	· Easy fit brackets, choose from recess or face fitting					
	· Louvres can stack to either side					
	· Fabric can be both rotated or drawn with precision chain (white) & cord operation					
	· Please note: At least 95mm is available to fit a 127mm vertical blind in the recess					
	· Maximum width 5104mm, maximum drop (height) 3000mm					
	window size	m ²				
	Door size	m ²				
	Removal of old damaged and dispose	m ²				
TOTALCARRIED1st+2nd+3rd Yearly Amount						

RECONSTRUCTION OF KRAAL				
	Year 1	Year 2	Year 3	Year 1+Year 2+Year 3 (Sum)
Description	PRICE PER HECTARE	PRICE PER HECTARE	PRICE PER HECTARE	TOTAL PRICE PER HECTARE
(Prices include PPE, transport and administrative fees)	R	R	R	R
Removal of dilapidated 75-250mm gum poles vertical and horizontal per metre	R	R	R	R
Installation / replacement of 75mm to 250mm treated gum poles per metre (both vertical and horizontal) including cutting, sawing, binding and drilling of poles	R	R	R	R
Supply 16y reinforcement and bending to tie per metre	R	R	R	R
Binding using 2-8mm Galv wire per mitre	R	R	R	R
Placing of vertical treated gum poles using 1-3 cement ratio per m ³	R	R	R	R
Installation of cattle neck clamp using 25/19MPA per m ³	R	R	R	R
Total				R

ITEM NO	DESCRIPTION	UNIT	1 ST Year/Qu antity RATE	2 ND Year/Qua ntity RATE	3 RD Year/Quant ity RATE	1st+2nd+3rd Yearly Amount
	Section No. 4					
	INTERNAL WORKS(repairs and installation)					
	BUILDING					
1	Retractable Burglar for Door and Windows					
	Extreme Security: Premier Retractable Burglar Door and windows suitable for external and internal for very high-risk security situations. Multiguard Pro security pattern					
	<ul style="list-style-type: none"> • Constructed from double 12 mm vertical uprights for strength & flexibility · The lattice work (diamonds) is secured across 3 uprights for maximum strength · Glass filled nylon rollers ensure strength & easy operation · Comes standard with a tamper-proof double slam-lock for quick protection · Available in a wide range of UV resistant colours · Low profile anti-trip bottom track 					
	Extreme Security: 70% solid steel construction with a combination of 12 mm square tube uprights and 20 x 5 flat bar riveted together with high tensile rivets					
	<ul style="list-style-type: none"> · High tensile rivets used in the construction 					
1,2	<ul style="list-style-type: none"> · Maximum width 5104mm, maximum drop (height) 3000mm 					
1.2.1	window size	m ²				
1.2.2	Door size	m ²				
1,2,3	Removal of old damaged and dispose	m ²				
TOTAL CARRIED 1st+2nd+3rd Yearly Amount						

1	BILL 1 ADMINISTRATION	
2	BILL 2 PROVISIONAL CALL OUTS & LABOUR SCHEDULE (PROVISIONAL)	
3	BILL 3 PREVENTATIVE MAINTENANCE SCHEDULES	
4	SECTION NO. 2 BUILDINGS BILL NO. 2 CONCRETE, FORMWORK AND REINFORCEMENT	
5	Section No. 2 BUILDINGS Bill No. 2 CONCRETE, FORMWORK AND REINFORCEMENT	
6	Section No. 2 BUILDINGS Bill No. 2 CONCRETE, FORMWORK AND REINFORCEMENT	
7	Section No. 2 BUILDINGS MASONRY	
8	Face brick-on-edge course copings, cills etc, at a net	
9	Section No. 2 BUILDINGS Bill No. 5 ROOF COVERING	
10	Section No. 2 BUILDINGS Bill No. 5 ROOF COVERING	

	CARPENTRY AND JOINERY	
12	Sawn South African Pine	
13	Section No. 2 BUILDINGS Bill No. 6 CARPENTRY AND JOINERY	
14	<u>SECTION NO.2</u> BUILDINGS <u>BILL NO. 7</u> CEILINGS, PARTITIONS AND ACCESS FLOORING	
15	Section No. 2 BUILDINGS Bill No. 7 CEILINGS, PARTITIONS AND ACCESS FLOORING	
16	<u>SECTION NO.2</u> BUILDINGS <u>BILL NO. 8</u> IRONMONGERY	
17	<u>BATHROOM FITTINGS</u>	
18	Section No. 2 BUILDINGS Bill No. 9 STRUCTURAL STEELWORK	
19	<u>SECTION NO.2</u> BUILDING <u>BILL NO. 9</u> STRUCTURAL STEELWORK	
20	Section No. 2 BUILDINGS Bill No. 9	

21	SECTION NO. 2 BUILDINGS BILL NO. 12 TILING	
22	SECTION NO. 2 BUILDINGS BILL NO. 12 TILING	
23	SECTION NO. 2 BUILDINGS BILL NO. 13 PLUMBING AND DRAINAGE (PROVISIONAL)	
24	Section No.2 BUILDINGS Bill No.13 PLUMBING	
25	""Sanitary" vitreous `` urinal	
26	
27	Section No.2 BUILDINGS Bill No.13 PLUMBING	
28	Section No.2 BUILDINGS Bill No.13 PLUMBING	
29	SECTION NO. 2 BUILDINGS BILL NO. 14 GLAZING	

30	SECTION NO. 2 BILL NO. 15 PAINTWORK PAINTWORK, ETC TO NEW WORK ON	
31	SECTION 3 GENERAL SITE WORKS BILL NO. 1 EARTHWORKS	
32	SECTION NO. 2 BILL NO. 15 PAINTWORK PAINTWORK, ETC TO NEW WORK ON	
33	SECTION 3 GENERAL SITE WORKS BILL NO. 1 EARTHWORKS	
34	SECTION 3 GENERAL SITE WORKS BILL NO. 1 EXTERNAL WORKS	
35	SECTION 3 GENERAL SITE WORKS BILL NO. 1 EXTERNAL WORKS	
36	SECTION 3 GENERAL SITE WORKS BILL NO. 1 EXTERNAL WORKS	

37	SECTION 3 GENERAL SITE WORKS BILL NO. 1 EXTERNAL WORKS	
38	Section No. 3 EXTERNAL WORKS Bill No. 1 EXTERNAL WORKS	
39	Section No. 3 EXTERNAL WORKS Bill No. 1 EXTERNAL WORKS	
40	Section No. 3 EXTERNAL WORKS Bill No. 1 EXTERNAL WORKS	
41	section No. 4 BUSH CLEARING Bill No. 1 ALIEN CLEARING	
42	Section No. 4 INTERNAL WORKS Bill No. 1 WINDOW BLINDS	
43	Section No. 4 INTERNAL WORKS Bill No. 1 RETRACTABLE BURGLAR	
44	Section No 5 External works Kraal	
	Total	