



SECTION	Old document (text) (Bill of Quantities (BoQ))	Changes
Bill of Quantities – all Building works (Grade 4-6 and 7-9)	<p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>BILL NO. 2 (item 36.)</u></p> <p>Allow for protecting all existing work liable to suffer damage (i.e. Walls, finishes, floors, windows, joinery fittings, etc.) from damage during the building operations, alterations, etc., and make good all work damaged with new material to match existing to the approval of the Principal Agent / Project Manager.</p> <p style="text-align: right;">Unit of measurement Quantity No. 7</p>	<p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>BILL NO. 2 (item 36.)</u></p> <p>Allow for protecting all existing work liable to suffer damage (i.e. Walls, finishes, floors, windows, joinery fittings, etc.) from damage during the building operations, alterations, etc., and make good all work damaged with new material to match existing to the approval of the Principal Agent / Project Manager.</p> <p style="text-align: right;">Unit of measurement Quantity “ Work package stage”</p> <p>(Details of the work to be done to be given to contractors in the panel)</p>
	<p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>BILL NO. 2 (item 38.)</u></p> <p>Allow for watering the works by spraying to prevent any nuisance from dust, etc., and supply, erect and remove on completion all temporary dust screens, etc. required.</p> <p style="text-align: right;">Unit of measurement Quantity No. 7</p>	<p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>BILL NO. 2 (item 38.)</u></p> <p>Allow for watering the works by spraying to prevent any nuisance from dust, etc., and supply, erect and remove on completion all temporary dust screens, etc. required.</p> <p style="text-align: right;">Unit of measurement Quantity “ Work package stage”</p> <p>(Details of the work to be done to be given to contractors in the panel)</p>
	Keeping excavations free of water:	Keeping excavations free of water:

	<p>BILL NO. 3 (item 64.24)</p> <p>Keeping excavations free of water.</p> <p style="text-align: center;">Unit of measurement Quantity No. 1</p>	<p>BILL NO. 3 (item 64.24)</p> <p>Keeping excavations free of water.</p> <p style="text-align: center;">Unit of measurement Quantity</p> <p style="text-align: center;">"Work package stage"</p> <p>(Details of the work to be done to be given to contractors in the panel)</p>
	<p>68. ROUGH FORMWORK (DEGREE OF ACCURACY III)</p> <p>BILL NO. 4 (item 68.1)</p> <p>Concrete aprons.</p>	<p>68. ROUGH FORMWORK (DEGREE OF ACCURACY III)</p> <p>BILL NO. 4 (item 68.1)</p> <p>Concrete aprons (average of 75mm thickness).</p>
	<p>69. SMOOTH FORMWORK DEGREE OF ACCURACY II)</p> <p>BILL NO. 4 (item 69.6)</p> <p>Smooth formwork to soffits</p> <p style="text-align: center;">Unit of measurement Quantity m.</p>	<p>69. SMOOTH FORMWORK DEGREE OF ACCURACY II)</p> <p>BILL NO. 4 (item 69.6)</p> <p>Smooth formwork to soffits</p> <p>(Deleted unit of measurement and Quantity. This is a sub heading for the item below (Roof slabs))</p> <p>(No price needed next to 69.6 item)</p>
	<p>70. ROUGH FORMWORK (DEGREE OF ACCURACY II)</p> <p>BILL NO. 4 (item 71.7)</p> <p>Sloping and stepped edge of stairs ?mm high extreme.</p>	<p>70. ROUGH FORMWORK (DEGREE OF ACCURACY II)</p> <p>BILL NO. 4 (item 71.7)</p> <p>Sloping and stepped edge of stairs ?mm high extreme.</p> <p style="text-align: center;">"Work package stage"</p> <p>(Details of the work to be done to be given to contractors in the panel)</p>
	<p>75. PRECAST CONCRETE (CPAP Work Group No. 112 Unless stated otherwise)</p> <p>Shukuma Or similar approved precast concrete slab 150 span D (Wiring 7x5mmx9.53) with 75mm concrete topping reinforced with Mesh Ref. 100</p> <p>BILL NO. 5 (item 75.2)</p> <p>200mm thick hollow core precast concrete suspended floor slab.</p>	<p>75. PRECAST CONCRETE (CPAP Work Group No. 112 Unless stated otherwise)</p> <p>Shukuma Or similar approved precast concrete slab 150 span D (Wiring 7x5mmx9.53) with 75mm concrete topping reinforced with Mesh Ref. 100</p> <p>BILL NO. 5 (item 75.2)</p> <p>200mm thick hollow core precast concrete suspended floor slab (1200mm</p>

TENDER NUMBER: VARIOUS RFP NUMBERS

**DESCRIPTION: FRAMEWORK CONTRACT FOR BUILDING WORKS IN VARIOUS TNPA PREMISES –
CENTRAL, EASTERN AND WESTERN REGION – 3 YEARS
(Grade 4-6 AND 7-9 GB)**

TRANSNET



		width.(sizes: 1200mm width x 6000mm lengths (on average)).
	<p>Sawn Pine</p> <p><u>BILL NO. 8</u></p> <p>86.45 Monopitch truss size 5570mm span x 600mm high with 350mm overhang.</p> <p>86.46 Monopitch truss size 2810mm span x 400mm high with 500mm overhang.</p> <p>86.47 Bracing and runners.</p>	<p>Sawn Pine</p> <p><u>BILL NO. 8</u></p> <p>86.45 Monopitch truss size 5570mm span x 600mm high with 350mm overhang. "Work package stage"</p> <p>86.46 Monopitch truss size 2810mm span x 400mm high with 500mm overhang. "Work package stage"</p> <p>86.47 Bracing and runners. "Work package stage"</p>
	<p><u>89. DOORS, JOINERY, ETC</u></p> <p><u>BILL NO. 9 (item 89.7)</u></p> <p>Red Meranti</p> <p>Solid Core Flush Doors Finished On Both Faces With Decorative Veneer</p> <p>40mm Door in two leaves with rebated meeting stiles, (Hung folding) size overall 1511 x 2032mm.</p>	<p><u>89. DOORS, JOINERY, ETC</u></p> <p><u>BILL NO. 9 (item 89.7)</u></p> <p>Red Meranti</p> <p>Solid Core Flush Doors Finished On Both Faces With Decorative Veneer</p> <p>40mm Door in two leaves with rebated meeting stiles. Size overall 1511 x 2032mm.</p> <p>(Removed the "Hung Folding" part)</p>
	<p><u>BILL NO. 9 (item 89.10)</u></p> <p>Sundries</p> <p>Troxor or similar approved non-vision door grille (type ADS-T) with matching rear frame complete with horizontal fixed angled blades and border countersunk for screw fastening</p>	<p><u>BILL NO. 9 (item 89.10)</u></p> <p>Sundries</p> <p>Troxor or similar approved non-vision door grille (type ADS-T) with matching rear frame complete with horizontal fixed angled blades and border countersunk for screw fastening (Size: 425 x 325mm (on average))</p>
	<p><u>BILL NO. 13 (item 103.9)</u></p> <p><u>103 IRONMONGERY</u></p> <p>103.9 ESCUTCHEONS</p> <p>Solid" or similar approved</p> <p>Escutcheon</p>	<p><u>BILL NO. 13 (item 103.9)</u></p> <p><u>103 IRONMONGERY</u></p> <p>103.9 ESCUTCHEONS</p> <p>Solid" or similar approved</p> <p>Escutcheon (round stainless steel). Typical shape as follows:</p>

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(Grade 4-6 AND 7-9 GB)

TRANSNET

	<u>BILL NO. 13 (item 103.11)</u> <u>103 IRONMONGERY</u> <u>Pull Handles:</u> Dorma" or equal approved 103.11 Aluminium door handles	<u>BILL NO. 13 (item 103.11)</u> <u>103 IRONMONGERY</u> <u>Pull Handles:</u> Dorma" or equal approved 103.11 Aluminium door handles Sizes: 137mm to 143mm arm. 50-55mm diameter. 65mm – 70mm width. Any of these two shapes: <div style="text-align: right;"> </div>
	<u>BILL NO. 13 (item 103.24)</u> <u>Bathroom fittings etc.:</u> 103.24 Standard soap dispenser.	<u>BILL NO. 13 (item 103.24)</u> <u>Bathroom fittings etc.:</u> 103.24 Standard soap dispenser. "Franke" or an similar sabs approved product. Surface mounted lockable soap dispenser. Chrome or stainless steel or satin finish. Suitable for 1Litre to 1,5litres refills.
	<u>BILL NO. 13 (item 103.25)</u> <u>Bathroom fittings etc.:</u> 103.25 Standard towel dispense.	<u>BILL NO. 13 (item 103.25)</u> <u>Bathroom fittings etc.:</u> 103.25 Standard towel dispense. "Franke" or an similar sabs approved product. Surface mounted lockable paper towel dispenser with a loading capacity of an average 500 – 900 pcs. Chrome or stainless steel or satin finish.


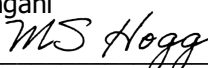
TENDER NUMBER: VARIOUS RFP NUMBERS

**DESCRIPTION: FRAMEWORK CONTRACT FOR BUILDING WORKS IN VARIOUS TNPA PREMISES –
CENTRAL, EASTERN AND WESTERN REGION – 3 YEARS
(Grade 4-6 AND 7-9 GB)**

TRANSNET

	<u>BILL NO. 13 (item 103.26)</u> <u>Bathroom fittings etc.:</u> 103.26 Standard lockable toilet paper dispenser.	<u>BILL NO. 13 (item 103.26)</u> <u>Bathroom fittings etc.:</u> 103.26 Standard lockable toilet paper dispenser. "Franke" or an similar sabs approved product. Surface mounted lockable paper toilet paper dispenser (heavy duty) with a loading capacity of an average at least two toilet paper rolls. Chrome or stainless steel or satin finish.
	<u>Cut off date (old)</u> Cut off for additional clarification questions. Applicable to all tender documents above. 23 May 2024	<u>Cut off date (revised)</u> Cut off for additional clarification questions. Applicable to all tender documents above extended. 30 May 2024

This addendum must be signed and submitted with your tender.

Prepared By: 
Sipiwo Qangani
Approved By: 
Michael Hogg

Date: 24 May 2024

Date: 24 May 2024

Tender number: Various Tender numbers (Grade 4-6 and 7-9 General buildings)



TENDER NUMBER: Various Tender numbers

DESCRIPTION: FRAMEWORK CONTRACT FOR BUILDING WORKS IN VARIOUS TNPA PREMISES – CENTRAL, EASTERN AND WESTERN REGIONS – 3 YEARS (Grade 4-6 AND 7-9)

FROM (TENDERER NAME):

DATE: _____

TENDER NUMBER: VARIOUS RFP NUMBERS

DESCRIPTION: FRAMEWORK CONTRACT FOR BUILDING WORKS IN VARIOUS TNPA PREMISES – CENTRAL, EASTERN AND WESTERN REGION – 3 YEARS (Grade 4-6, 7-9 GB)

Dear Sir / Madam

Receipt of **Addendum No. 20** dated **24 May 2024** is hereby acknowledged.

Kind regards

TENDERER (signature)

NOTE: The undersigned confirm that the following communications received from the Employer before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer.

Tender number: Various Tender numbers (Grade 4-6 and 7-9 General buildings)

FOR TENDERERS SUBMITTING IN

CIDB GRADE 4 -6

**(BUILDING CLASS OF WORK, IN
ANY REGION)**

<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
<p>BILL NO.2 : ALTERATIONS (PROVISIONAL)</p> <p>WORK GROUPS: Unless otherwise stated the work group for this Bill shall be WG102</p> <p>Trade Preambles:</p> <p>SUPPLEMENTARY PREAMBLES</p> <p>NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill.</p> <p>Supplementary Preambles:</p> <p>Prices are to include for carting away from site all materials not specifically mentioned as being stored on site for re-use or handed over to the Employer and all rubbish, debris, etc., arising from the alterations, etc., and for making good all work damaged or disturbed to the approval of the Project Manager.</p> <p>If angle grinders are used, a method of containing the dust must be utilised. Should the dust produced by the use of angle grinders, be deemed to be a nuisance by the Employer, their use will be prohibited.</p> <p>For purpose of this contract, and to avoid misunderstanding in terms of carrying out the works and pricing thereof, phrases stated hereunder have been defined and the Contractor is advised to study them carefully as no claim will be entertained as a result of him not doing so:</p> <p>a) "Making Good" shall include making good of the brick, concrete and timber surfaces onto which the finishes are applied, where necessary.</p> <p>b) "Forming New Openings" shall include all labour and materials forming opening, cut toothings and bonding for and plumbing and flushing up reveals, cutting for and forming precast concrete, or reinforced brick lintel over including necessary turning pieces, reinforcement, etc.</p> <p>c) All existing material described as "carefully take out, set aside for re-use and later refix in new position" are to be carefully removed, stored and protected from injury, made good as required and if broken or damaged through taking out, removing, storage, etc, are to be replaced by the Contractor at his own expense. Tenderers are advised to inspect these materials to ascertain their condition and allow accordingly for this in their pricing.</p>				

DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<p>d) The term "take out" includes all work taken out, taken up, taken down, taken off, etc ; the term "break up" includes all work broken up, broken down, broken off, etc and the term "hack off" includes all work hacked off, hacked up, hacked down, etc.</p> <p>e) The terms "take out and remove door", "take out and remove window", "carefully take out, set aside for re-use and later refix window in new position", atc are to include all materials connected with such door or window such as doors, windows, fanlights, frames, ironmongery, glass, architraves, beads, fillets, cramps, dowels, door stops, cabin hooks, etc.</p> <p>f) Doors, windows, fanlights, fittings, frames, linnings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehangng, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given seperately. Making good floor and wall finishes to match existing.</p> <p>g) Where door and window openings, etc, are specified to be filled in, or where jambs, sills, etc are specified to be built up, brickwork shall be of hard burnt clay stock bricks in 5.1 cement motar unless otherwise specified, cut, toothed and bonded into existing brickwork and pinned up as required with slates or other hard materials. Brickwork built to fair face or in facings is to be of bricks and pointed to match existing. Plaster is to be 5.1 cement plaster unless otherwise specified.</p> <p>h) where lintels are specified as precast concrete the prices are to include for breaking out brickwork over for inserting precast prestressed cement concrete (30MPA) lintel with 230mm bearing on each end size 108 x 75mm deep for each half brick thickness of wall.</p> <p>i) Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectively stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the Principal Agent / Project Manager.</p> <p>j) The terms propping, strutting, shoring, etc, is not specifically mentioned in each item, however these shall be deemed to be included in the descriptions.</p>				

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
	k) No explosive whatsoever may be used for demolition purposes unless otherwise stated or prior approval by the Principal Agent or Project Manager.				
	REMOVAL OF EXISTING WORK				
36	Allow for protecting all existing work liable to suffer damage (i.e. Walls, finishes, floors, windows, joinery fittings, etc.) from damage during the building operations, alterations, etc., and make good all work damaged with new material to match existing to the approval of the Principal Agent / Project Manager.	No	7,00	Work Package Stage	
38	Allow for watering the works by spraying to prevent any nuisance from dust, etc., and supply, erect and remove on completion all temporary dust screens, etc. required.	No	7,00	Work Package Stage	
40	Breaking up and removing reinforced concrete, including cutting off and removing reinforcement:				
40.1	110mm Thick surface beds	m ²	29,00		R -
40.2	150mm Thick surface beds	m ²	20,00		R -
40.3	Steps	m ³	5,00		R -
40.4	Ramps	m ³	11,00		R -
40.5	Stairs and landings	m3	2,00		R -
40.6	Beams	m3	2,00		R -
40.7	Columns (exceeding 3m, not exceeding 6m high)	m3	2,00		R -
40.8	Columns (exceeding 6m high)	m3	5,00		R -
40.9	Strip footings, bases, etc	m3	3,00		R -
40.10	Precast concrete paving slabs	m2	3,00		R -
40.11	Brick paving	m2	3,00		R -
40.12	Brick kerbs with mortar joints	m	15,00		R -
40.13	Cobble paving	m	20,00		R -
40.14	Precast concrete storm water channel	m	10,00		R -
40.15	Cantilever Beams	m3	5,00		R -
40.16	Suspended slabs	m3	3,00		R -
41	Breaking down and removing brickwork etc.				

	DESCRIPTION	UNIT	QUANTITY	RATE		AMOUNT
41.1	110mm Brick walls	m²	121,00		R	-
41.2	220mm Parapet Brick walls	m²	84,00		R	-
41.3	220mm Brick walls	m²	250,00		R	-
41.4	270mm Brick walls	m²	200,00		R	-
41.5	270mm Brick walls	m²	200,00		R	-
42	Taking out and removing doors, windows, etc., including thresholds, sills, etc. (building up openings and making good finishes measured elsewhere)					
42.1	900 x 2125mm High Timber single door, frame and ironmongery	No	36,00		R	-
42.2	900 x 2125mm High glazed Timber single door, frame and ironmongery	No	6,00		R	-
42.3	1600 x 2125mm High glazed Timber double door, frame and ironmongery.	No	6,00		R	-
	Undercut existing doors:					
42.4	Take off door size 813 x 2032mm high, undercut by 20mm and re-hang	No	5		R	-
42.5	Timber single door and frame not exceeding 2.5m2	No	15,00		R	-
42.6	Timber double door and frame exceeding 2.5m2 not exceeding 5m2	No	15,00		R	-
42.7	Timber single door and steel frame exceeding 2.5m2 not exceeding 5m2	No	15,00		R	-
43	Take out and remove steel window complete and prepare to receive new aluminium casement system windows (new aluminium windows elsewhere measured):					
43.1	Window size not exceeding 0.5m2	No	6,00		R	-
43.2	Window size exceeding 0.5m2 not exceeding 1m2	No	6,00		R	-
43.3	Window size exceeding 1 m2 not exceeding 1.5m2	No	6,00		R	-
43.4	Window size exceeding 1.5 m2 not exceeding 2m2	No	6,00		R	-
43.5	Window size exceeding 2m2 not exceeding 3m2	No	6,00		R	-
43.6	Window size exceeding 3m2 not exceeding 4m2	No	6,00		R	-
43.7	Window size exceeding 4m2 not exceeding 5m2	No	6,00		R	-

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
43.8	Window size exceeding 5m2 not exceeding 6m2	No	6,00		R -
43.9	Window size exceeding 6m2 not exceeding 7m2	No	6,00		R -
44	Take off and carefully remove burglar screens and set aside for re-use (refixing measured elsewhere):				
44.1	Burglar mesh screen sizes exceeding 0.5m2	No	6,00		R -
44.2	Burglar mesh screen sizes exceeding 0.5m2 not exceeding 1m2	No	2,00		R -
44.3	Burglar mesh screen sizes exceeding 1m2 not exceeding 1.5m2	No	2,00		R -
44.4	Burglar mesh screen sizes exceeding 1.5m2 not exceeding 2m2	No	1,00		R -
44.5	Burglar mesh screen sizes exceeding 2m2 not exceeding 3m2	No	1,00		R -
44.6	Burglar mesh screen sizes exceeding 3m2 not exceeding 4m2	No	1,00		R -
45	Take out and remove existing composite steel window/door complete and prepare to receive new aluminium composite window/door (new aluminium composite window/door elsewhere measured):				
45.1	Steel shopfront size 5040 x 2120mm high overall	No	2,00		R -
45.2	Take out and carefully remove sliding door approximate size 2300mm x 2100mm high overall including track, screws and any bolts used	No	6,00		R -
45.3	Glazed timber window frames 1150 x 1520mm high from brick wall, not exceeding 2,5m2	No	12,00		R -
45.4	Glazed timber window frames 1500 x 1520mm high from brick wall, not exceeding 2,5m2	No	13,00		R -
45.5	Glazed timber window frames 1150 x 900mm high from brick wall, not exceeding 2,5m2	No	5,00		R -
45.6	Glazed timber window frames 580 x 930mm high from brick wall, not exceeding 2,5m2	No	8,00		R -
45.7	Glazed timber window frames 900 x 850mm high from brick wall, not exceeding 2,5m2	No	7,00		R -
45.6	Glazed timber window frames 900 x 930mm high from brick wall, not exceeding 2,5m2	No	1,00		R -

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
46	<u>ROOFS, CEILINGS, CLADDING AND RELATED ITEMS</u>				
	Taking down and removing roofs, floors, panelling, ceilings, partitions, etc.				
46.1	Corrugated iron roof covering, all existing pitched roof timber, existing steel rainwater goods, existing fascia and barge boards, existing painted knock up ceiling, etc. on unit size 8.94m x 15.09m on plan and on height approximately 3m above natural ground level.	No	5,00		-
46.2	Ditto, but on unit size 9.02m x 15.09m on plan.	No	1,00		-
46.3	Ditto, but on unit size 3.34m x 7.30m on plan.	No	6,00		-
46.4	Ditto, but on unit size 3.46m x 6.08m on plan.	No	1,00		-
46.5	<u>Remove profiled sheeting</u>				
46.5.1	Take down IBR profile heavy industrial 85% translucent glassfibre reinforced polyester roofing sheets, in single lengths, fixed to steel purlins	m2	214		-
46.5.2	Remove and take down IBR profile heavy industrial 85% translucent glassfibre reinforced Polyester side wall sheets (side cladding), in single lengths, fixed to steel columns	m2	214		-
46.6	<u>REMOVING METAL ROOF SHEETING AND ACCESSORIES</u>				
	Remove and take down 0,8mm thick "Safintra Saflok" or similar approved Aluminium IBR Roofing sheets And 0,8mm thick Accessories with Polyclosers where necessary, both with chromadek colour one side, in single sheet lengths and fixed to timber trusses				
46.6.1	Roof covering with pitch not exceeding 25 degrees.	m2	4017		-
46.6.2	Corner trim.	m	184		-
46.6.3	Barge flashing	m	26		-
46.6.4	Apex flashing.	m	26		-
46.6.5	Expanded polyethylene polycloser eaves filler.	m	368		-
46.6.6	Side cladding attached to steel purlins / columns	m2	3500		-
46.7	<u>Remove and take down Insulation</u>				
46.7.1	Strip and take down Sisalation 420 RSA reinforced aluminium foil insulation laid with 150mm wide laps at all joints on top of steel purlins on and including 2mm diameter galvanised wires tightly strained across tops of purlins at 500mm centres.	m2	262		-

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
46.8	Removing cement roof tiles				
46.8.1	Carefully remove damaged cement roof tiles and replace with new roof tiles (elsewhere measured) to match existing as directed by the Project Manager / Principal Agent				
46.8.2	Cement roof tiles including 38 x 38mm battens at 400mm centres	m2	950		-
46.8.3	Cement ridge cappings	m	200		-
46.9	Take down slate roof tiles and cart off site:				
46.9.1	Carefully remove slate tiles and take off site damaged slate tiles as directed by the Project Manager or Principal Agent	m2	800		-
46.9.2	Carefully remove slate tiles and replace with new (elsewhere measured) to match existing as directed by the Project Manager or Principal Agent	m2	800		-
46.10	Take down fibre cement roof sheetings, slate tiles, etc and cart off site:				
46.10.1	Fibre cement "BigSix" profile roof sheeting	m2	500		-
46.10.2	Carefully remove slate tiles and take off site damaged or broken fibre cement roof sheeting as directed by the Project Manager or Principal Agent	m2	800		-
46.10.3	Carefully remove existing fibre cement roof sheeting in patches (new sheeting elsewhere measured) as directed by the Project Manager or Principal Agent	m2	800		-
46.11	Take down and remove sundry roof timbers, etc:				
46.11.1	12 x 225mm wide fascia board fixed to timber rafters	m	25		-
46.11.2	12 x 225mm wide barge board fixed to timber rafters	m	25		-
46.11.3	38 x 52mm Purlins	m	350		-
46.12	Take down and removing aluminium gutters and make good remaining surfaces and finishes:				
46.12.1	Aluminium gutters fixed to fibre cement fascia	m	150		-
46.13	Take down asbestors gutters and downpipes and cart off site (contractor to follow precautional guidelines as per OHSA):				

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>		<u>AMOUNT</u>
46.13.1	Asbestos cement gutter fixed to fascia	m	30		R	-
46.13.2	Asbestos cement down pipes with offsets, shoes and brackets	m	35		R	-
46.14	Take down slate fibre cement roof gutters, including downpipes and cart off site:					
46.14.1	Carefully remove and take off site damaged fibre cement gutters and downpipes as directed by the Project Manager or Principal Agent	m	30		R	-
46.14.2	Carefully remove fibre cement water tanks located on the ground including disconnecting piping	No	5		R	-
46.14.3	Carefully remove fibre cement water tanks located on steel structure 10m high above the ground including disconnecting piping	No	5		R	-
46.15	Take down damaged timber eaves, eaves closure and barge boards and cart off site:					
46.15.1	Carefully remove and take off damaged timber eaves, eaves closure and barge boards as directed by the Project Manager / Principal Agent	m	50		R	-
46.16	Carefully taking out roof coverings to existing building at junction with new roof:					
46.16.1	Corrugated galvanised mild steel sheeting	m2	45		R	-
46.16.2	Allow for lifting as required and joining new to existing steel roof sheets and have junction seamlessly built and completely waterproofed with suitable laps, nailing and sealing as required	m	30		R	-
46.17	Taking down and removing roofs, floors, panelling, ceilings, partitions, etc:					
46.17.1	Carefully cut out damaged tongued and grooved timber roof boarding patches:	m2	55		R	-
46.17.2	Valley linings	m2	65		R	-
46.17.3	Counter flashings	m2	65		R	-
46.17.4	Carefully remove existing waterproofing from concrete flat roof and prepare surfaces for new waterproofing	m2	65		R	-
46.17.5	Malthoid underlay to roof coverings	m2	950		R	-
46.17.6	Slatted timber eaves soffit lining	m2	330		R	-
46.17.7	Wood framed louvre panels	m2	150		R	-
46.17.8	Fullbore outlets	No	5		R	-

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>		<u>AMOUNT</u>
46.17.9	Suspended ceilings including grid, etc	m2	1200		R	-
46.17.10	Gypsum plasterboard ceilings, including cornices, timber brandering, etc and prepare to receive new (new elsewhere measured)	m2	1000		R	-
46.17.11	Gypsum plasterboard ceilings (timber brandering left in position)	m2	950		R	-
46.17.12	Acoustic tile suspended ceilings including suspension grid, hangers, etc	m2	1200		R	-
46.17.13	Timber skirtings	m	502,00		R	-
47	Taking out and removing sundry joinery work:					
47.1	Built-in wardrobe 2085mm in length and approximately 2500mm high in bedroom.	No	12,00		R	-
47.2	Built-in wardrobe 1300mm in length and approximately 2500mm high in passage.	No	1,00		R	-
47.3	Built-in wardrobe 3600mm in length and approximately 2500mm high in bedroom.	No	1,00		R	-
47.4	Built-in cupboard with counter top 2600mm in length and approximately 2500mm high in kitchen.	No	6,00		R	-
47.5	L-shaped Built-in cupboard with counter top 2300mm in length and approximately 2500mm high in kitchen.	No	6,00		R	-
47.6	Built-in cupboard with counter top and single bowl sink 2000mm in length and approximately 950mm high in kitchen.	No	6,00		R	-
47.7	Cupboards 2400mm high	m	100		R	-
47.8	Floor cupboards 700mm high	m	100		R	-
47.9	Wall cupboards 400mm high	m	100		R	-
47.10	Wall mounted shelf size 3000 x 300mm wide	No	5		R	-
47.11	Worktops	m	50		R	-
47.12	Timber cornices from brickwork	m	350		R	-
47.13	Timber sills from brickwork	m	150		R	-
47.14	Timber dado rail from brickwork	m	80		R	-
47.15	Remove and replace duct board size 1000 x 400mm high	m	50		R	-
47.16	Taking off and removing skirtings:					
47.17	Vinyl skirtings from walls	m	600		R	-

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>		<u>AMOUNT</u>
47.18	Timber skirtings from brickwork	m	600		R	-
48	Taking out/off and removing sundry metalwork	No	6,00		R	-
48.1	Double security gates 2460 x 2120mm from existing 230mm wall.	No	6,00		R	-
48.2	Single security gates 900 x 1500mm from existing 230mm wall.	No	24,00		R	-
48.3	Security screen size 1840 x 2120mm from existing 230mm wall.	No	12,00		R	-
49	Hacking up/off and removing granolithic, screeds, plaster, etc. from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc.					
49.1	25mm floor screed and prepare concrete floors to receive new screed	m²	293,00		R	-
49.2	Internal plaster from walls, columns and prepare walls to receive new plaster.	m²	349,00		R	-
49.3	External plaster from walls and prepare walls to receive new plaster.	m²	227,00		R	-
	Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, etc:					
49.4	Vinyl tile floor covering including preparing screed for new carpet, vinyl sheeting or tile etc (new floor finish elsewhere measured)	m2	70		R	-
49.5	Carpet floor covering including preparing screed for new carpet, vinyl sheeting or tile etc (new floor finish elsewhere measured)	m2	2000		R	-
49.6	Parquet floor covering including preparing new screed (elsewhere measured)	m2	500		R	-
49.7	Linoleum floor covering including preparing new screed (elsewhere measured)	m2	500		R	-
49.8	30mm Granolithic from floors	m2	200		R	-
49.9	9mm thick Terrazzo flooring	m2	1200		R	-
49.10	150 x 150mm Tiles on walls	m2	50		R	-
49.11	200 x 200mm Tiles on splashbacks	m2	50		R	-
49.12	200 x 200mm Tiles on walls	m2	50		R	-
49.13	200 x 200mm Tiles on floors	m2	50		R	-
49.14	400 x 400mm Tiles on floors	m2	50		R	-

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>		<u>AMOUNT</u>
49.15	Quarry tiles on floors	m2	50		R	-
49.16	Tile skirting 75mm high	m	300		R	-
	Taking out/off and removing sundry metalwork:					
49.17	Steel corner edge protection from concrete surface bed, including making good finish	m	45		R	-
49.18	Steel balustrades 1100mm high from concrete surface bed, including making good finish	m	45		R	-
50	Taking out and removing ironmongery:					
50.1	Towel rail	No	2		R	-
50.2	Stainless steel toilet roll holder	No	2		R	-
50.3	Soap dispenser	No	5		R	-
50.4	Paper towel dispenser	No	5		R	-
50.5	Coat hooks	No	5		R	-
	Remove and replace ironmongery:					
50.6	Brass window sliding stays	No	4		R	-
50.7	Brass window handles	No	4		R	-
	Taking out and removing various types of signage and billboards (making good wall finishes elsewhere measured)					
51	Signage and billboard, including support framing brackets	m2	10		R	-
	Carefully remove sundry metalwork and later refixing in similar position					
52	Remove and refix aluminium stair nosing	m	13		R	-
53	Taking out and removing glass and mirrors:					
53.1	Mirror 400 x 600mm high wall	No	2		R	-
53.2	Mirror 400 x 1000mm high wall	No	2		R	-
54	Taking off and removing blinds, pelmets, etc:					
54.1	Blinds to suit approximate window size 800 x 2100mm high	No	2		R	-
54.2	Timber or steel pelmet from brickwork or concrete	m	120		R	-
54.3	Steel curtain rail from brickwork or concrete	m	120		R	-

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>		<u>AMOUNT</u>
55	Remove and take down Insulation Rain Water Goods					
	Strip down Insulation 0,8mm Thick Watertite Seamless Pre-Painted Aluminium Ogee Gutter, Rainwater Pipe And Accessories In Long Lengths					
55.1	200 x 250mm Eaves gutter fixed to steel purlines.	m	142		R	-
55.2	300 x 150mm Eaves gutter fixed to steel purlines.	m	16		R	-
55.2	100 x 125mm Eaves gutter fixed to fibre cement fascia.	m	60		R	-
56	Taking out and removing piping, sanitary fittings, etc., including cutting off as necessary, disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)					
56.1	PVC piping not exceeding 50mm diameter	m	280,00		R	-
56.2	PVC piping not exceeding 110mm diameter	m	280,00		R	-
56.3	PVC piping not exceeding 150mm diameter	m	280,00		R	-
56.4	Vitreous china wash hand basin, including two bib taps, short lengths of piping, etc.	No	8,00		R	-
56.5	Vitreous china WC pan with cistern, including short lengths of piping, etc.	No	8,00		R	-
56.6	Vitreous china WC pan hung urinal with flush valve	No	8,00		R	-
56.7	Stainless steel wall sink, including bib taps and drainer, including short lengths of piping, etc.	No	6,00		R	-
56.8	Stainless steel wall trough urinal cisterns	No	6,00		R	-
56.9	Taking out and removing glass and mirrors. Size 300 x 800mm	No	4,00		R	-
56.10	Taking out and removing glass and mirrors. Mirror 300 x 300mm high from wall	No	8,00		R	-
56.11	15mm Copper piping including fittings and brackets	m	200,00		R	-
56.12	22mm Copper piping including fittings and brackets	m	200,00		R	-
56.13	40mm uPVC pipes	m	200,00		R	-
56.14	50mm uPVC pipes	m	200,00		R	-

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
56.15	Stainless steel double bowl sink including sink mixer	No	15,00		R -
56.16	Stainless steel wash hand basin including removing of taps, etc	No	15,00		R -
56.17	Bath including removal of taps	No	15,00		R -
56.18	Shower fitting comprising underwall stopcocks, rose and arm and floor trap	No	15,00		R -
56.19	Wash hand basin including 2 No. bib taps	No	2,00		R -
56.20	Plastic WC cisterns	No	2,00		R -
56.21	Mixer with elbow action heads	No	2,00		R -
56.22	Pillar taps	No	10,00		R -
56.23	Hot water cylinders not exceeding 250 litres	No	2,00		R -
56.24	Drip trap to Hot water cylinders (HWC)	No	2,00		R -
57	CLEANING OF RAINWATER GOODS Quarterly cleaning of gutters and downpipes on buildings including removal of debris and vegetation growth; and disposal at an appropriate site:				
57.1	Buildings with heights exceeding 3 metre high, not exceeding 4,5 metre high	m	25,00		R -
57.1	Buildings with heights exceeding 4,5 metre high, not exceeding 6 metre high	m	35,00		R -
57.3	Buildings with heights exceeding 6 metre high	m	30,00		R -
58	CEILING REPLACEMENT 7 mm PVC and gysum ceiling and fixing accessories fixed to 38x50 pine bandering at 450 mm centres one way, with and including 32x2.5mm galvanised serrated ceiling nails with 75mm polystyrene coved cornice, painted white:				
58.1	Remove suspended ceiling	m2	140		R -
58.2	75mm Coved cornice	m	110		R -
58.3	Remove gypsum ceiling	m2	15		R -
59	MAKING GOOD OF FINISHES, ETC				
59.1	Making good internal cement plaster				
59.2	Walls in patches. (Provisional)	m²	200,00		R -

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>		<u>AMOUNT</u>
59.3	Walls where 110mm brick walls removed	m²	10,00		R	-
59.4	Walls where 220mm brick walls removed	m²	10,00		R	-
59.5	Making good external cement plaster	m2	250		R	-
59.6	Walls in patches. (Provisional)	m²	220,00		R	-
59.7	Walls where 230mm brick walls removed	m²	15,00		R	-
59.8	Walls where 110mm brick walls removed	m²	15,00		R	-
	Repairing cracks in walls:					
59.9	Carefully opening crack in existing half brick wall, preparing, filling and sealing with an approved epoxy filling and finishing off flush to adjacent finishes, including stitching into mortar joints across crack.	m	85,00		R	-
59.10	Carefully opening crack in existing cavity brick wall, preparing, filling and sealing with an approved epoxy filling and finishing off flush to adjacent finishes, including stitching into mortar joints across crack.	m	80,00		R	-
60	BUILDING UP OPENINGS					
	Brickwork in NFP bricks in class II mortar in building up openings					
60.1	110mm brick walls	m²	110,00		R	-
60.2	220mm Brick walls	m²	400,00		R	-
60.3	280 hollow walls of two half skins	m²	112,00		R	-
60.4	Mass brickwork	m3	86,00		R	-
61	OPENINGS THROUGH EXISTING WALLS ETC					
	Altering openings					
61.1	Altering opening in one brick wall where 900 x 850mm high steel window removed to form opening for new timber door and frame size 900 x 2040mm high by breaking out brickwork on both sides and bottom, including making good cement plaster on both sides and into reveals (new door and making good paintwork elsewhere)	No	1,00		R	-

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
61.2	Altering opening for aluminium window size 1100 x 1220mm high overall by cutting out and removing concrete lintol over, solid brickwork at reveals for full height of door, remove floor finish in opening, brick up opening as required 812mm below window cill and above insert concrete lintol over window opening, close up cavity at reveals and damp proof course, make good plaster both sides returned into reveals of opening, make good skirting on one side (new cills, new window and making good paintwork elsewhere measured)	No	5,00		R -
62	Taking down and removing:				
62.1	Palisade Security fence up to 3m high complete	m	85,00		R -
62.2	Half brick boundary or yard wall 2.10m high with 220mm x 220mm brick piers not exceeding 3m intervals.	m	55		R -
62.3	High security chain link fence 3m high complete	m	50		R -
62.4	Welded mesh fencing up to 3m high complete	m	55		R -
62.5	Electric fence, taut wire fence and fence Detection Systems up to 3m high complete	m	50		R -
Sub total (Bill No. 2)					

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
	<u>BILL NO.3</u>				
	<u>EARTHWORKS (PROVISIONAL)</u>				
63	<u>SITE CLEARANCE, ETC.</u>				
	<u>Site clearance etc:</u>				
63.1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc.	m²	25,00		R -
63.2	Stripping average 150mm thick layer of top soil and stockpiling on site.	m²	150,00		R -
63.3	Cut down and remove tree exceeding 200mm and not exceeding 500mm girth, grub up and remove roots, fill hole with earth selected from the excavated material and consolidate.	No	15		R -
63.4	Ditto, but exceeding 500mm and not exceeding 1000mm girth.	No	5		R -
64	<u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u>				
	<u>Excavation in earth not exceeding 2m deep:</u>				
64.1	Trenches.	m3	15,00		R -
64.2	Holes.	m3	1,00		R -
64.3	Reduced levels under floors.	m3	6,00		R -
64.4	Foundation beam	m3	7		R -
64.5	Ditto, but for column bases.	m3	81		R -
64.6	Extra over excavations in earth to bases and trenches for excavation in soft rock.	m3	45		R -
64.7	Ditto, but in hard rock.	m3	22		R -
64.8	Excavate in earth for working space (at Contractor's discretion) exceeding 500mm and not exceeding 1500mm deep	m2	64		R -
64.9	Extra over ditto for excavation in soft rock.	m2	6		R -
64.10	Ditto, but for excavation in hard rock.	m2	3		R -
64.11	Extra over all excavations for carting away from the site all surplus excavated material.	m3	115		R -
64.12	Allow for risk of collapse to sides of trench and base excavations not exceeding 1500mm deep.	m2	200		R -
64.13	Allow for keeping excavations free from water.	Item	1		R -

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
64.14	Earth filling, selected by the Contractor from the excavated material, deposited in layers not exceeding 150mm thick, watered and consolidated as backfilling to trenches, bases, etc.	m3	220		R -
64.15	Earth filling, selected and supplied by the Contractor, deposited in layers not exceeding 150mm thick, watered and consolidated to 95% modified AASHTO density under floors, etc.	m3	155		R -
64.16	Clean, dry, sand filling, selected and supplied, deposited, watered and consolidated in 25mm thick blinding layer under floors, etc.	m3	55		R -
64.17	Ant proofing treatment to surfaces of ground under floors, etc including forming, saturating with ant poisoning solution, filling and consolidating 75 x 75mm V-shaped grooves along face of walls, including provision of certificate by anti-termite soil poison Registered Pest Control Company and guaranteed against termite infestation for ten years:	m2	250		R -
64.18	Provide and have filling compaction tested by a Consulting Engineer's Laboratory and deliver the results to the Architect / Project Manager within 24 hours of the tests being completed.	No	15		R -
	<u>Extra over trench and hole excavations in earth for excavation:</u>				
64.19	Soft Rock.	m3	2,00		R -
64.20	Hard Rock.	m3	1,00		R -
	<u>Extra over all excavations for carting away:</u>				
64.21	Allow for spreading and levelling of surplus material on site in layer not exceeding 15mm and not exceeding 25m distance	m2	85,00		R -
64.22	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor.	m3	15,00		R -
	<u>Risk of collapse of excavations:</u>				
64.23	Sides of trench and hole excavations not exceeding 1,5m deep.	m2	25,00		R -
	<u>Keeping excavations free of water:</u>				
64.24	Keeping excavations free of water.	Item	1,00	Work Package Stage	
65	<u>FILLING ETC</u>				
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 93% Mod AASHTO density:</u>				
65.1	Under floors, steps, pavings, etc.	m3	2,00		R -

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
65.2	Backfilling to trenches, holes, etc.	m3	4,00		R -
	<u>Earth filling supplied by the contractor, compacted to 95% Mod AASHTO density.</u>				
65.3	Under floors, steps, pavings, etc.	m3	6,00		R -
	Earth filling of G5 material supplied by the contractor compacted in 150mm layers compacted to 98% Mod AASHTO to density				
65.3	Under floors, steps, pavings, etc.	m3	2,00		R -
65.5	Backfilling to trenches, holes, etc.	m3	4,00		R -
	Earth filling of G7 material supplied by the contractor compacted in 150mm layers compacted to 95% Mod AASHTO to density				
65.6	Under floors, steps, pavings, etc.	m3	2,00		R -
	<u>Coarse river sand filling supplied by the contractor:</u>				
65.7	Under floors etc.	m3	1,00		R -
	Compaction of surfaces				
65.8	Compaction of ground surface under floors, etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	85,00		R -
66	"Field Density" test, including "Optimum Moisture Content" (four readings per test).	No	2,00		R -
Sub total (Bill No 3)					

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
	<u>BILL NO.4</u>				
67	<u>CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)</u> NOTE:All reinforced concrete is to be compacted with a mechanical vibrator. All formwork shall include for propping to not exceeding 3500mm high unless otherwise described. Formwork to sides of walls and columns shall be to walls and columns not exceeding 3500mm high unless otherwise described. Formwork to soffits of solid slabs shall be to slabs not exceeding 250mm thick unless otherwise described.----- CONCRETE(CPAP Work Group No. 110 Unless Otherwise Stated) TESTS NOTE: Should the strength required for the concrete in any portion of the structure not be attained in the test cubes, or should any concrete whatsoever be defective the portion in question is to be demolished and replaced at the expense of the Contractor.----- <u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES (PROVISIONAL)</u> <u>25MPa/20mm concrete:</u>				
67.1	Footings and Ground Beams.	m3	3,00		R -
67.2	Surface beds on waterproofing.	m3	1,00		R -
67.3	Concrete to V channel in aprons.	m3	2,00		
67.4	Column bases.	m3	1,00		R -
67.5	Cavity fill.	m3	1,00		R -
67.6	Concrete in Beams	m3	3,00		R -
67.7	Stairs including steps, landings, beams and inverted beams.	m3	2		R -
67.8	Isolated beams.	m3	4		R -
67.9	Columns.	m3	1		R -
	Reinforced cement concrete (30MPa, 19/38mm stone mix with a washed concrete crusher sand and maximum water ratio of 0,55):				
67.10	Surface beds on waterproof sheeting.	m3	6		R -
	Narrow surfaces				
67.11	Columns in foundation	m3	2		R -
67.12	Columns	m3	4		R -

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>		<u>AMOUNT</u>
67.13	Beams	m3	2		R	-
67.14	Lift shaft	m3	3		R	-
67.15	Ramps	m3	2		R	-
67.16	Staircase including landings	m3	1		R	-
67.17	Slabs	m3	3		R	-
67.18	Cantilever slabs	m3	2		R	-
67.19	Plinth	m3	1		R	-
	Unreinforced Cement Concrete (15MPa) In:					
67.20	Blinding under bases.	m3	4			
67.21	Blinding under foundation beams.	m3	0,4			
	Cement Concrete (10 MPa)					
67.22	10MPa Blinding	m3	18,00		R	-
	CONCRETE SUNDRIES					
67.23	Float top of concrete with a wood float and finish with a brushed non-skid surface whilst concrete is still green with the addition of 2.1 sand and cement as necessary.	m2	28		R	-
67.24	Float top of concrete with a wood float to falls and finish with a brushed non-skid surface whilst concrete is still green with the addition of 2.1 sand and cement as necessary.	m2	100		R	-
67.25	Power float top of concrete to a dead level, hardwearing, smooth surface in accordance with SABS 0100 Code of Practice.	m2	3626		R	-
67.26	40mm Thick non-shrink grout under base plates size 500 x 600mm including chamfered edge all around.	No	46		R	-
67.27	Take delivery of set of four holding down bolts and cast into exact position in top of column or base including template, etc.	No	46		R	-
68	<u>ROUGH FORMWORK (DEGREE OF ACCURACY III)</u>					
	<u>Rough formwork to sides:</u>					
68.1	Concrete aprons. (average of 75mm thickness).	m	21,00		R	-
68.2	Sides & soffits of isolated beams	m2	10,00		R	-
68.3	Cantilever slabs	m2	12,00		R	-

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>		<u>AMOUNT</u>
68.4	Slabs	m2	150,00		R	-
68.5	Staircase including landings	m2	4,00		R	-
	Class F1 Formwork To					
68.6	Steppings to footings.	m2	90		R	-
68.7	Sides of foundation beams.	m2	38		R	-
68.8	Sides of square or rectangular columns.	m2	85		R	-
68.9	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	409		R	-
69	<u>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</u>					
	<u>Smooth formwork to sides:</u>					
69.1	Plinths	m2	24,00		R	-
69.2	Landings	m2	2,52		R	-
69.3	Walls	m2	118		R	-
69.4	Roof slabs	m2	110		R	-
69.5	Upstand beams	m2	32		R	-
	<u>Smooth formwork to soffits</u>					
69.7	Roof slabs	m2	55		R	-
70	<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>					
	Rough Formwork to Sides:					
70.1	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	110,00		R	-
71	<u>Bitumen impregnated softboard expansion joints</u>					
71.1	Joint not exceeding 300mm high or wide formed of one layer 10mm thick softboard set between vertical concrete or brick surfaces.	m	35		R	-
71.2	Soffit of landings.	m2	1		R	-
71.3	Sloping soffit of stairs.	m2	6		R	-
71.4	Sides and soffits of isolated beams.	m2	14		R	-
71.5	Sides of square or rectangular columns.	m2	9		R	-
71.6	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	15		R	-

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
71.7	Sloping and stepped edge of stairs 75mm high extreme.	m	13	Work Package Stage	
72	<u>REINFORCEMENT (PROVISIONAL)</u>				
A	<u>Mild tensile steel reinforcement to structural concrete work:</u>				
72.1	Plinths	t	0,50		R -
72.2	Landings	t	0,20		R -
72.3	Walls	t	3,00		R -
72.4	Roof slabs	t	2,00		R -
72.5	Upstand beams	t	0,50		R -
B	<u>High tensile steel reinforcement to structural concrete work:</u>				
72.6	8mm Diameter bars.	t	0,50		R -
72.7	10mm Diameter bars.	t	0,50		R -
72.8	12mm Diameter bars.	t	0,50		R -
	<u>Fabric reinforcement:</u>				
72.9	Type 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	15,00		R -
72.10	High tensile steel mesh Ref. 100 to concrete surface beds, slabs, etc.	m2	174		R -
72.11	Type 395 fabric reinforcement in concrete plinths, etc.	m2	15,00		R -
72.12	Type 395 fabric reinforcement in concrete landings, etc.	m2	15,00		R -
73	<u>High tensile steel dowel bars</u>				
73.1	12mm Diameter bar 900mm long with one end embedded 150mm deep in side of existing concrete using Hilti HIT-RE 500 or similar approved	No	65,00		R -
74	<u>MOVEMENT JOINTS ETC</u>				
	<u>REMOVING METAL ROOF SHEETING AND ACCESSORIES</u>				
	<u>Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces:</u>				
74.1	10mm Joints not exceeding 300mm high (Provisional).	m	9,00		R -

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
	<u>Approved polysulphide sealing compound including backing cord, bond breaker, primer etc.:</u>				
74.2	10 x 10mm In vertical expansion joints between concrete and brick surfaces, including raking out expansion joint filler as necessary (Provisional).	m	9,00		R -
	<u>Vertical construction joints through concrete including thick cement slurry to one face:</u>				
74.3	Surface beds not exceeding 300mm thick.	m	9,00		R -
	<u>Saw-cut joints:</u>				
74.4	3 x 40mm Saw-cut joints in top of concrete.	m	9,00		R -
	Construction Joints				
74.5	Vertical joggle joint 150mm high between vertical concrete surfaces with and including 2.1 cement slurry to one face.	m	400		R -
Sub total (Bill No 4)					

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
75	<u>PRECAST CONCRETE (CPAP Work Group No. 112 Unless stated otherwise)</u>				
	<u>Precast prestressed concrete (30 Mpa) including necessary moulds, reinforcement, formwork, etc and hoisting and fixing in position:</u>				
75.1	Lintol size 105 x 75mm high in varying lengths and building ends 150mm deep into brickwork in 1:3 cement mortar.	m	8,00		
75.1	110 x 75mm Lintels in lengths not exceeding 3m.	m	55,00		R -
75.2	Shukuma Or similar approved precast concrete slab 150 span D (Wiring 7x5mmx9.53) with 75mm concrete topping reinforced with Mesh Ref. 100 200mm thick hollow core precast concrete suspended floor slab. (1200mm width.(sizes: 1200mm width x 6000mm lengths (on average)).	m2	78		R -
	<u>Precast concrete finished smooth on exposed surfaces including bedding, jointing and pointing</u>				
75.3	2600 x 1400 x 300mm thick hollow core precast concrete including bedding edges all round, including lifting eye (reinforcement elsewhere measured)	No	3		R -
75.4	2400 x 1400 x 300mm thick hollow core precast concrete including bedding edges all round, including lifting eye (reinforcement elsewhere measured)	No	3		R -
Sub total (Bill No 5)					

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
86	<p><u>ROOF COVERINGS</u></p> <p>WORK GROUPS: Unless otherwise stated the work group for this Bill shall be WG124</p> <p>Trade Preambles:</p> <p>NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill.</p> <p><u>METAL ROOF SHEETING AND ACCESSORIES</u></p> <p><u>Nominal thickness 0.80mm "Klip-Lok" or similar approved aluminium roofing sheets with silicone polyester top finish, to colour of Architects choice, on an epoxy-primed surface (10 microns) and standard grey backing coat to other side, etc., including fixing to timber purlins at approximately 700 mm centres including all screws, bolts, washers, etc, strictly in accordance with manufacturer's specification:</u></p>				
86.1	Roof covering with pitch not exceeding 25 degrees, in transportable lengths.	m2	23,00		R -
86.2	Standard ridge capping.	m	14,00		R -
	<p><u>ROOF AND WALL INSULATION</u></p> <p><u>Heavy Industrial double sided reflective foil laminate incorporating layers of kraft paper and reinforcing scrim, laminated together with low density polyethylene (293gsm):</u></p>				
86.3	Insulation laid taut over purlins (at approximately 1m centres) and fixed concurrent with roof covering, including taped laps and nylon / galvanised straining wires.	m2	20,00		R -
	<p><u>BROWNBUILT PROFILED METAL SHEETING AND ACCESSORIES</u></p> <p><u>0,58mm Thick pre-painted factory coated Z275 Brownbuilt profile roll-formed roof sheeting in continuous lengths, concealed fixed, on double sided reflective aluminium foil faced insulation barrier:</u></p>				
86.4	Roof covering with pitch not exceeding 25 degrees.	m²	550,00		R -
	0,58mm Thick AZ200 prepainted factory coated finished flashings and accessories including finish to match roof sheeting:				
86.5	Ridge capping to suit roof profile.	m	35,00		R -

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>		<u>AMOUNT</u>
86.6	Headwall flashing 375mm girth and two times bent along girth.	m	30,00		R	-
	PROFILED POLYESTER SHEETING					
	IBR Profile heavy industrial 85% translucent Glassfibre Reinforced polyester roofing sheets, in single lengths, fixed to steel purlins					
86.7	Side cladding.	m2	110		R	-
	PROFILED METAL SHEETING (CPAP Work Group No. 124 Unless Otherwise Stated)					
	0,8mm thick"Safintra Tufdek" aluminium IBR Roofing sheets and 0,8mm thick accessories with polyclosers where necessary or similar approved, both with Chromadek colour one side, in single sheet lengths and fixed to steel purlins					
86.8	Roof covering with pitch not exceeding 25 degrees.	m2	150		R	-
86.9	Side cladding.	m2	1550		R	-
86.10	Corner trim.	m	692		R	-
86.11	Sidewall flashing.	m	30		R	-
86.12	Counter flashing.	m	30		R	-
86.13	Headwall flashing.	m	50		R	-
86.14	Counter flashing.	m	50		R	-
86.15	Jamb flashing.	m	92		R	-
86.16	Expanded polyethylene polycloser eaves filler.	m	650		R	-
	0,8mm thick"Safintra Tufdek" aluminium IBR Roofing sheets and 0,8mm thick accessories with polyclosers where necessary or similar approved, both with Chromadek colour one side, in single sheet lengths and fixed to timber trusses					
86.17	Roof covering with pitch not exceeding 25 degrees.	m2	1050		R	-
86.18	Corner trim.	m	55		R	-
86.19	Barge flashing	m	26		R	-
86.20	Apex flashing.	m	26		R	-
86.21	Expanded polyethylene polycloser eaves filler.	m	120		R	-

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
	PREFABRICATED ROOF TRUSSES ETC Prefabricated timber roof construction complete including purlins, runners, bracing hips, valleys, cleats, purlins, etc., supplied and fixed complete: Preamble note: Trusses are at approximately maximum 1173mm centres. Roof coverings are 0,58mm Thick Brownbuilt Z275 Prepainted factory coated finished galvanised profile roll-formed roof sheeting with double-sided aluminium foil insulation. References given in descriptions will be referred to the respective roofs detailed on the architect's/engineer's drawings accompanying these Bills of Quantities for tender purposes. The contractor will be required to provide a certificate of approval signed by a registered Professional Engineer that the trusses have been designed, manufactured and installed in accordance with the relevant SABS specifications. Sawn Softwood Grade 4:				
86.22	Roof construction to double pitched roof, size 8,94m x 15,09m on plan with 0,50m overhang on both side, installed complete	No	5,00	Work Package Stage	
86.23	Roof construction to double pitched roof, Unit 6, size 9,02m x 15,07m on plan with 0,50m overhang on both side, including mono pitched roof by master bedroom size 4.20m x 6.23m on plan	No	1,00	Work Package Stage	
86.24	Roof construction to mono pitched roof, Carport, size 3,34m x 7,30m on plan with 0,50m overhang, installed complete	No	6,00	Work Package Stage	
86.25	Roof construction to mono pitched roof, Toilet and Store, size 3,46m x 6,08m on plan	No	1,00	Work Package Stage	
	ROOF SUNDRIES Sundries:				
86.27	Wrought faces on sawn timbers.	m²	57,00	Work Package Stage	
86.28	50 x 150mm timber beam.	m	82,00		R -
	EAVES, VERGES, ETC Medium density plain fibre cement boards:				

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>		<u>AMOUNT</u>
86.29	12 x 300mm Fibre cement fascia boards.	m	60,00		R	-
86.30	12 x 225mm Fibre cement barge boards.	m	89,00		R	-
	<u>PREFABRICATED ROOF TRUSSES, ETC.</u>					
	<u>Plate nailed timber roof truss construction to be Mitek or similar design approved:</u>					
86.31	Roof construction to rectangular shaped double pitched roof not exceeding 25 degree pitch with two hipped ends overall size 4.44 x 4.74m and 3000mm high overall including 38 x 114mm wall plates, trusses, king posts, queen posts, jack rafters, including permanent bracing and all fixing and including 50 x 75mm purlins/battens at centres for roof covering (elsewhere measured) all complete as per Architects Schedule	No	1,00	Work Package Stage		
86.32	Allow for bracing, cross bracing, connecting clips, fixing brackets, hurricane clips, etc., as required for fixing in position of roof trusses as described in accordance with the manufacturer's instructions. Remove existing Roof Trusses exposed to elements & discard	Item	1,00	Work Package Stage		
86.33	Extra over for wrought purlins at eaves and veranda's.	m	18,00	Work Package Stage		
	Sawn softwood:					
86.34	38 x 114mm Wall plates.	m	69,00		R	-
86.35	50 x 75mm Purlins.	m	225,00		R	-
	Wrought softwood:					
86.36	50 x 76mm Bearer fascia support (Provisional).	m	100,00		R	-
	Laminated S. A. pine:					
86.37	90 x 228mm beam.	m	48,00		R	-
	<u>Sawn softwood / Pine:</u>					
86.38	38 x 114mm Wall plates.	m	12,00		R	-
86.39	50 x 75mm Purlins.	m	31,00		R	-
86.40	38 x 114mm Runner (Provisional).	m	40		R	-
86.41	38 x 76mm Bracing (Provisional).	m	40		R	-
	<u>Wrought softwood:</u>					

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>		<u>AMOUNT</u>
86.42	50 x 76mm Bearer fascia support (Provisional).	m	18,00		R	-
	EAVES, VERGES, CILLS ETC					
	Pressed medium density plain fibre-cement:					
86.43	12 x 225mm Fascia fixed to roof timbers at centres of not exceeding 900mm, including steel H-profile jointing plates, screws, holes, etc.	m	18,00		R	-
86.44	15 x 150mm Nutec or similar approved fiber cement window cill, fixed with galvanised lugs and cast in mortar bed in compliance with manufactures specification etc.	m	2,00		R	-
	NOTE: Truss prices are to include for the design, supply and erection of the trusses complete including bolts, connectors, connections, etc. The dimensions of the trusses given in the following descriptions are nominal and the actual measurements for the design and manufacture of the trusses must be taken from the working drawings. The truss spans given are measured horizontally between the outer faces of the wall plates. -----					
	Monoplaner Prefabricated connector Plate Roof Trusses at 1200mm maximum centres with a pitch of 5 degrees and suitable for 0,6mm thick IBR Roof covering with purlins at 1500mm centres and no ceiling					
	Sawn Pine					
86.45	Monopitch truss size 5570mm span x 600mm high with 350mm overhang.	No	13	Work Package Stage		
86.46	Monopitch truss size 2810mm span x 400mm high with 500mm overhang.	No	8	Work Package Stage		
86.47	Bracing and runners.	Item	1	Work Package Stage		
	EAVES AND VERGES					
	4mm Cladit Fibre Reinforced Cement Sheets or similar approved with 20mm half round wrot meranti cover strips over joints, fixed with cadmium plated nails or smilar approved					
86.48	Horizontal eaves soffit lining in approximately fixed to and including sawn Pine brandering along both edges and across sheets.	m2	20		R	-
	REMOVING METAL ROOF SHEETING AND ACCESSORIES					

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
	Everite unpressed fibre reinforced cement fascia cut or similar approved product to lengths and butt jointed with galvanised H-Profile steel jointing strips and fixed with countersunk brass screws				
86.49	15 x 225mm Fascia or bargeboard.	m	34		R -
87	Insulation				
87.1	Sisalation 420 RSA reinforced aluminium foil insulation laid with 150mm wide laps at all joints on top of steel purlins on and including 2mm diameter galvanised wires tightly strained across tops of purlins at 500mm centres.	m2	92		R -
88	Rain Water Goods				
	0,8mm thick watertite seamless pre-painted aluminium Ogee Gutter, rainwater pipe and accessories in long lengths or similar approved				
88.1	200 x 250mm Eaves gutter fixed to steel purlins.	m	70		R -
88.2	300 x 150mm Eaves gutter fixed to steel purlins.	m	16		R -
88.2	100 x 125mm Eaves gutter fixed to fibre cement fascia.	m	25		R -
	Extra for				
88.3	Stopped end.	No	10		R -
88.4	Outlet with nozzle for 75 x 100mm rainwater pipe.	No	12		R -
	(End Of Extra For)				
88.5	75 x 100mm Rectangular section rainwater pipe fixed 25mm clear of walls with galvanised sheet iron ears screwed to and including 200 x 70 x 22mm chamfered and oiled hardwood blocks plugged to wall.	m	45		R -
	Extra For				
88.6	Shoe.	No	10		R -
88.7	Bend.	No	15		R -
88.8	Swanneck bend.	No	10		R -
88.9	Swanneck 500mm projection.	No	23		R -
88.10	80mm Spreader 800mm long and fixing to bottom of 80mm rainwater pipe.	No	5		R -

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
	Wrot Meranti				
88.11	19mm Quadrant bead.	m	60		R -
Sub total (Bill No 8)					

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
	<u>BILL NO.9</u>				
89	<u>DOORS, JOINERY, ETC</u>				
	<u>Wrought meranti:</u>				
	<u>Approved solid flush doors, with Commercial veneer both sides and with hardwood edge strips, tongued and sides and grooved on to edges:</u>				
89.1	44mm Thick, Solid core commercial ply double flush panel door, including rebated meeting styles with 10mm hardwood edges size 1100 x 2,032mm high including 450 x 450mm natural anodised aluminium vent grille slotted in door complete	No	1,00	R	-
	<u>Approved solid meranti FLB doors:</u>				
89.2	44mm Thick, framed, ledged braced and batten single door, size 901 x 2032mm high with rebated meeting edges, formed of 44 x 114mm stiles and top rail, 22 x 114mm middle ledge and braces and 22 x 222mm bottom ledge including the stiles and top rail grooved for and filled in flush on one side with 6mm plywood and otherside with 22 x 70mm tongued, grooved and V-jointed vertical boarding with V-joint continued around framing on flush side, including each board twice countersunk, screwed at intersections with ledges all	No	1,00	R	-
	<u>8 Leaf wooden folding doors:</u>				
89.3	Aluglass Bautech Varifold or similar approved wooden folding door model (Classic / Elegance) with clear opening of 2400mm high x 6790mm wide finished and including heavy duty hook lock all	No	3,00		
	Wrought meranti doors:				
89.4	42mm Sunshine manufacturing or equally approved wide horizontal grooved solid Meranti slatted door (Meranti kiln dried), size 813 x 2032mm high	No	6,00	R	-
89.5	44mm FLB door, size 813 x 2032mm high	No	6,00	R	-
	HARDWOOD DOORS				
	Hardwood doors				

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>		<u>AMOUNT</u>
89.6	44mm Thick semi-solid flush door, edged with 10mm hardwood faced with tempered smooth face hardwood for panting, size 813 x 2032mm	No	25,00		R	-
	Red Meranti					
	Solid Core Flush Doors Finished On Both Faces With Decorative Veneer					
89.7	40mm Door in two leaves with rebated meeting stiles, size overall 1511 x 2032mm.	No	12		R	-
89.8	40mm Door, (Hung) size 813 x 2032mm.	No	5		R	-
89.9	Extra for forming opening for louvre unit size 400 x 300mm.	No	5		R	-
	Sundries					
89.10	Troxor or similar approved non-vision door grille (type ADS-T) with matching rear frame complete with horizontal fixed angled blades and border countersunk for screw fastening. (Size: 425 x 325mm (on average))	No	5		R	-
	Bitcon Rubidor Class A fire doors or similar approved, including primed pressed steel frames for one Brick Wall, finished on both faces with commercial veneer					
89.11	Door, (Hung) size 813 x 2032mm.	No	7		R	-
	FRAMED FRAMES ETC					
	Wrought meranti:					
89.12	75 x 100mm Rebated frames plugged, with galvanised lugs every 5th brick course and 3 PVC buffers to closing.	m	249,00		R	-
89.13	19mm hardwood quadrant trim of door frame	m	498,00		R	-
	FRAMED FRAMES ETC					
	Wrought meranti:					
89.14	70 x 108mm Rebated and angle rounded door frames plugged	m	5,00		R	-
	SKIRTINGS, ARCHITRAVES, ETC					
	Wrought meranti:					

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
89.15	19 x 76mm Skirting including 19 mm quadrant bead planted on.	m	15,00		R -
89.16	19 x 70mm Angle rounded skirting, plugged and including 19mm quadrant bead planted on.	m	447		R -
	<u>Sundries:</u>				
89.17	38 x 76 mm Chamfered and grooved weatherboard fixed in and including groove or rebate in underside of door.	m	1,00		R -
	<u>HARDWOOD TIMBER SUNDRIES</u>				
	<u>Wrought meranti:</u>				
89.18	32mm Diameter polished hardwood longarm window opener 1500m long fitted with polished brass pole hook, secured with one chromium plated spring clips screwed to and including small polished hardwood block plugged to wall.	No	1,00		R -
	Custom mad door, frames and ironmongery				
	All below mentioned items include all fittings (to be priced using the applicable drawings)				
89.19	Custom design Roll up Serranda galvanised roll up door frame Epoxy finish (TYPE E) or similar approved	No	2,00		R -
89.20	Custom design Roll up Serranda galvanised roll up door frame Epoxy finish (3800x3760m or similar approved	No	4,00		R -
89.21	Custom design Roll up Serranda galvanised roll up door frame Epoxy finish (2500x3760m) or similar approved	No	2,00		R -
89.22	2500 x 3500h SABS CAT 2 double reinforced strongroom door with 10mm plate ,75mm total door thicknes,galvernized finish	No	2,00		R -
89.23	1000 x 2400h SABS CAT 2 double reinforced strongroom door with 10mm plate ,75mm total door thicknes,galvernized finish	No	4,00		R -

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
90	<u>JOINERY FITTINGS (PROVISIONAL)</u>				
	<u>General Joinery Fittings complete:</u>				
	<u>Kitchen Cupboard:</u>				
90.1	L shaped Kitchen Counter 02, 1486mm in length with 600mm wide Rustenburg granite counter top with double bowl sink (Elsewhere measured), colour Espresso 900mm above the ground, with cupboards underneath, inclusive of all ironmongery	No	6,00	Work Package Stage	
90.2	L shaped Kitchen Counter 03, 2499mm in length with 600mm wide Rustenburg granite counter top, colour Espresso 900mm above the ground, cupboards underneath, 1200mm high cupboards and open shelves 500mm above counter, and microwave position, inclusive of all ironmongery	No	6,00	Work Package Stage	
90.3	L shaped Kitchen Counter 04, 2980mm in length with 800mm wide Rustenburg granite counter top, colour Espresso 900mm above the ground, with cupboards underneath, with 1200 high cupboards 500mm above counter, 642mm high cupboards and open shelves 1000mm above counter, inclusive of all ironmongery	No	6,00	Work Package Stage	
90.4	Rectangular shaped Kitchen Built In Cupboard, 898mm in length with drawers with 16mm melamine panel with Max on Top HPL finish with arctic white colour finish 2770mm high	No	6,00	Work Package Stage	
90.5	Rectangular shaped Passage Cupboard in Unit 6, 1300mm in length with 16mm melamine panel with Max on Top HPL finish with arctic white colour finish 2770mm high, inclusive of all ironmongery	No	1,00	Work Package Stage	
90.6	Rectangular shaped Bedroom 2 Wardrobe 2270mm in length with drawers and open shelves, with 16mm melamine panel with Max on Top HPL finish with arctic white colour finish 2770mm high, inclusive of all ironmongery	No	6,00	Work Package Stage	
90.7	Rectangular shaped Master Bedroom Wardrobe 3600mm in length with drawers and open shelves, with 16mm melamine panel with Max on Top HPL finish with arctic white colour finish 2770mm high, inclusive of all ironmongery	No	1,00	Work Package Stage	

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
90.8	Rectangular shaped Bedroom 1 Wardrobe 2464mm in length with drawers, with 16mm melamine panel with Max on Top HPL finish with arctic white colour finish 2770mm high, inclusive of all ironmongery	No	5,00	Work Package Stage	
90.9	Rectangular shaped Bedroom 3 Wardrobe 2085mm in length with drawers, with 16mm melamine panel with Max on Top HPL finish with arctic white colour finish 2770mm high, inclusive of all ironmongery	No	1,00	Work Package Stage	
	Joinery (Cupboards)				
91	Laundry cupboards				
91.1	Robust open shelving including best humidity and resistant carcass shelves, shelves and fascia type 2040x300x2720mm high with top, sides, bottom, division and shelf, including all necessary ironmongery	No	1,00	Work Package Stage	

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
92	Kitchen cupboards				
92.1	Robust open shelving including best humidity and resistant carcass shelves, shelves doors, hinges, handles, locks and name/number plates. Melamine facings to conceal carcass 3970x300x2720mm high with top, sides, bottom, division and shelf, including all necessary ironmongery	No	1,00	Work Package Stage	
	Restroom cupboards				
92.2	Combination cupboard, including best humidity and corrosion resistant Carcass, Shelves, Doors, Hinges, Handles, Locks and Name/Number plates. Melamine facings to conceal carcass size 3382x600x2720mm high with top, sides, bottom, division, shelf, back and double hinged doors, including all necessary ironmongery	No	1,00	Work Package Stage	
	Reception desk				
92.3	Floor L-section desk with one section 2400x920x950mm high and other section 1000x920x920 with sides, bottom, divisions, shelf, back and double hinged doors (sink elsewhere) including brush polished stainless steel kickplate (a/b), including all necessary ironmongery	No	1,00	Work Package Stage	
93	Changeroom bench				
93.1	Floor plugged hardwood timber bench 1400x380x400mm high formed of custom galvanized and painted mild steel frame below fixed to floor	No	1,00	Work Package Stage	
94	Solid core flush panel				
94.1	40mm thick commercial veneered solid core flush panel door. Finish: Prepare Prime and paint 1 undercoat and 2 coats mid-sheen enamel	No	3,00	Work Package Stage	
94.2	40mm thick commercial veneered semi-solid core flush panel door. Undercut: 120mm and reinstate door bottom edge. Finish: Prepare prime and paint 1 undercoat and 2 coats mid-sheen enamel,	No	1,00	Work Package Stage	
				Sub total (Bill No 9)	

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>BILL NO. 13</u>				
103	<u>IRONMONGERY</u>				
	<u>Hinges, bolts, etc:</u>				
103.1	75 x 100mm Brass butt hinge fixed to frame with brass screws.	No	3,00	R	-
103.2	100 x 75mm Stainless steel hinges (Union 8352-100SS) or similar approved.	No	3,00	R	-
103.3	150 x 20mm flush bolts (code AL805-150AS) or similar approved.	No	1,00	R	-
	<u>Locks:</u>				
103.4	CZ gower furniture (Union 682-24-SC) or similar approved.	No	2,00	R	-
103.5	Rebated conversion set (Union 2910) or similar approved.	No	2,00		
103.6	Profile cylinder deadlock (Union L-21315-76SS) or similar approved.	No	2,00	R	-
103.7	Three lever approved mortice lock (Union 2277-78 SC) or similar approved complete with approved chromium plated handles.	No	1,00	R	-
103.8	Four lever mortice lockset for rebating meeting stiles (Union CZ 692-24-47) or similar approved complete with approved chromium plated handles.	No	1,00	R	-
	<u>ESCUTCHEONS</u>				
	<u>"Solid" or similar approved</u>				
103.9	Escutcheon (round stainless steel).	No	69,00	R	-
	<u>Pull Handles:</u>				
103.10	Union AL-5515-200BTAS or similar approved dove pull handle.	No	2,00	R	-
	<u>"Dorma" or equal approved</u>				
103.11	Aluminium door handles. Sizes: 137mm to 143mm arm. 50-55mm diameter. 65mm – 70mm width. Any of these two shapes:	No	59,00	R	-
	<u>Door closers:</u>				
103.12	Overhead door closer Dorma TS73N or similar approved.	No	1,00	R	-
	<u>Door stops:</u>				

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
103.13	Union 8731SC or similar approved buffered door stop.	No	2,00		-
	<u>Cabin Hooks:</u>				
103.14	Union AL8723AS or similar approved cabin hook.	No	2,00		-
	Union or similar approved:				
103.15	3122-51mm Padlock	No	6,00		-
103.16	Padlock with three keys (Union 3142) or similar approved.	No	5,00		-
	CATCHES, CABIN HOOKS, ETC				
103.17	Dormakaba dust proof strike or similar approved	No	2,00		-
103.18	Dormakaba adjustable roller bolt or similar approved	No	2,00		-
103.19	Steel dormakaba wall buffer or similar approved	No	5,00		-
103.20	Dormakaba floor mounted door stop or similar approved	No	15,00		-
103.21	Dormakaba hat and coat hook with rubber buffer or similar approved	No	5,00		-
103.22	Dormakaba Cabin hook 150mm or similar approved	No	2,00		-
	<u>Push Plates:</u>				
103.23	Stainless steel pushplate 150 x 175 x 3mm cylinder cutout	No	2,00		-
	<u>Bathroom fittings etc.:</u>				
	Standard soap dispenser.				
103.24	"Franke" or an similar sabs approved product. Surface mounted lockable soap dispenser. Chrome or stainless steel or satin finish. Suitable for 1Litre to 1,5litres refills.	No	1,00		-
	Standard towel dispense.				
103.25	"Franke" or an similar sabs approved product. Surface mounted lockable paper towel dispenser with a loading capacity of an average 500 – 900 pcs. Chrome or stainless steel or satin finish.	No	1,00		-
	Standard lockable toilet paper dispenser.				
103.26	"Franke" or an similar sabs approved product. Surface mounted lockable paper toilet paper dispenser (heavy duty) with a loading capacity of an average at least two toilet paper rolls. Chrome or stainless steel or satin finish.	No	1,00		-
	Towel Rails:				

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
103.27	Franke 900 x 125mm polished stainless steel double towel rail (product code: 2120083) or any similar approved product	No	6,00		R -
103.28	Franke 203dia polished stainless steel wall mounted towel ring (product code: 2120084) or any similar approved product	No	6,00		R -
	Soap Holder:				
103.29	Franke 163 x 100mm stainless steel double arm soap rack (product code: 2120089) or any similar approved product	No	12,00		R -
	Toilet Roll Holders:				
103.30	Franke 145 x 75mm polished stainless steel toilet roll holder (product code: 2120086) or any similar approved product	No	6,00		R -
	SUNDRIES				
103.31	Stainless steel hat and coat hook with rubber buffer	No	16,00		R -
104	<u>LETTERS, NAMEPLATES, ETC.</u>				
	<u>Indicator plates countersunk holed for and screwed to door or brickwork with chromium plated dome-headed screws:</u>				
104.1	190 x 190 x 3mm Thick white perspex international FB2 sign plate with red fire extinguisher symbol plugged to brickwork.	No	1,00		R -
104.2	75 x 150mm High aluminium toilet sign with MALE and/or FEMALE figure screwed to door. FEMALE figure screwed to door.	No	1,00		R -
	<u>Clear perspex or similar approved name plate reverse engraved and enamelled in white lettering 25mm high to suit, twice countersunk holed for and tapscrewed to steel door frames or gate framing with chromium plated dome-headed selftapping screws:</u>				
104.3	3mm Thick x 32mm high plate with letters "WAGHUIS" or Words of Similar nature.	No	1,00		R -
	Sub total (Bill No 13)				

FOR TENDERERS SUBMITTING IN

CIDB GRADE 7 -9

**(BUILDING CLASS OF WORK, IN
ANY REGION)**

<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
<p>BILL NO.2 : ALTERATIONS (PROVISIONAL)</p> <p>WORK GROUPS: Unless otherwise stated the work group for this Bill shall be WG102</p> <p>Trade Preambles:</p> <p>SUPPLEMENTARY PREAMBLES</p> <p>NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill.</p> <p>Supplementary Preambles:</p> <p>Prices are to include for carting away from site all materials not specifically mentioned as being stored on site for re-use or handed over to the Employer and all rubbish, debris, etc., arising from the alterations, etc., and for making good all work damaged or disturbed to the approval of the Project Manager.</p> <p>If angle grinders are used, a method of containing the dust must be utilised. Should the dust produced by the use of angle grinders, be deemed to be a nuisance by the Employer, their use will be prohibited.</p> <p>For purpose of this contract, and to avoid misunderstanding in terms of carrying out the works and pricing thereof, phrases stated hereunder have been defined and the Contractor is advised to study them carefully as no claim will be entertained as a result of him not doing so:</p> <p>a) "Making Good" shall include making good of the brick, concrete and timber surfaces onto which the finishes are applied, where necessary.</p> <p>b) "Forming New Openings" shall include all labour and materials forming opening, cut toothings and bonding for and plumbing and flushing up reveals, cutting for and forming precast concrete, or reinforced brick lintel over including necessary turning pieces, reinforcement, etc.</p> <p>c) All existing material described as "carefully take out, set aside for re-use and later refix in new position" are to be carefully removed, stored and protected from injury, made good as required and if broken or damaged through taking out, removing, storage, etc, are to be replaced by the Contractor at his own expense. Tenderers are advised to inspect these materials to ascertain their condition and allow accordingly for this in their pricing.</p>				

DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<p>d) The term "take out" includes all work taken out, taken up, taken down, taken off, etc ; the term "break up" includes all work broken up, broken down, broken off, etc and the term "hack off" includes all work hacked off, hacked up, hacked down, etc.</p> <p>e) The terms "take out and remove door", "take out and remove window", "carefully take out, set aside for re-use and later refix window in new position", atc are to include all materials connected with such door or window such as doors, windows, fanlights, frames, ironmongery, glass, architraves, beads, fillets, cramps, dowels, door stops, cabin hooks, etc.</p> <p>f) Doors, windows, fanlights, fittings, frames, linnings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehangng, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given seperately. Making good floor and wall finishes to match existing.</p> <p>g) Where door and window openings, etc, are specified to be filled in, or where jambs, sills, etc are specified to be built up, brickwork shall be of hard burnt clay stock bricks in 5.1 cement motar unless otherwise specified, cut, toothed and bonded into existing brickwork and pinned up as required with slates or other hard materials. Brickwork built to fair face or in facings is to be of bricks and pointed to match existing. Plaster is to be 5.1 cement plaster unless otherwise specified.</p> <p>h) where lintels are specified as precast concrete the prices are to include for breaking out brickwork over for inserting precast prestressed cement concrete (30MPA) lintel with 230mm bearing on each end size 108 x 75mm deep for each half brick thickness of wall.</p> <p>i) Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectively stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the Principal Agent / Project Manager.</p> <p>j) The terms propping, strutting, shoring, etc, is not specifically mentioned in each item, however these shall be deemed to be included in the descriptions.</p>				

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
	k) No explosive whatsoever may be used for demolition purposes unless otherwise stated or prior approval by the Principal Agent or Project Manager.				
	REMOVAL OF EXISTING WORK				
36	Allow for protecting all existing work liable to suffer damage (i.e. Walls, finishes, floors, windows, joinery fittings, etc.) from damage during the building operations, alterations, etc., and make good all work damaged with new material to match existing to the approval of the Principal Agent / Project Manager.	No	7,00	Work Package Stage	
38	Allow for watering the works by spraying to prevent any nuisance from dust, etc., and supply, erect and remove on completion all temporary dust screens, etc. required.	No	7,00	Work Package Stage	
40	Breaking up and removing reinforced concrete, including cutting off and removing reinforcement:				
40.1	110mm Thick surface beds	m ²	29,00		R -
40.2	150mm Thick surface beds	m ²	20,00		R -
40.3	Steps	m ³	5,00		R -
40.4	Ramps	m ³	11,00		R -
40.5	Stairs and landings	m3	2,00		R -
40.6	Beams	m3	2,00		R -
40.7	Columns (exceeding 3m, not exceeding 6m high)	m3	2,00		R -
40.8	Columns (exceeding 6m high)	m3	5,00		R -
40.9	Strip footings, bases, etc	m3	3,00		R -
40.10	Precast concrete paving slabs	m2	3,00		R -
40.11	Brick paving	m2	3,00		R -
40.12	Brick kerbs with mortar joints	m	15,00		R -
40.13	Cobble paving	m	20,00		R -
40.14	Precast concrete storm water channel	m	10,00		R -
40.15	Cantilever Beams	m3	5,00		R -
40.16	Suspended slabs	m3	3,00		R -
41	Breaking down and removing brickwork etc.				

	DESCRIPTION	UNIT	QUANTITY	RATE		AMOUNT
41.1	110mm Brick walls	m²	121,00		R	-
41.2	220mm Parapet Brick walls	m²	84,00		R	-
41.3	220mm Brick walls	m²	250,00		R	-
41.4	270mm Brick walls	m²	200,00		R	-
41.5	270mm Brick walls	m²	200,00		R	-
42	Taking out and removing doors, windows, etc., including thresholds, sills, etc. (building up openings and making good finishes measured elsewhere)					
42.1	900 x 2125mm High Timber single door, frame and ironmongery	No	36,00		R	-
42.2	900 x 2125mm High glazed Timber single door, frame and ironmongery	No	6,00		R	-
42.3	1600 x 2125mm High glazed Timber double door, frame and ironmongery.	No	6,00		R	-
	Undercut existing doors:					
42.4	Take off door size 813 x 2032mm high, undercut by 20mm and re-hang	No	5		R	-
42.5	Timber single door and frame not exceeding 2.5m2	No	15,00		R	-
42.6	Timber double door and frame exceeding 2.5m2 not exceeding 5m2	No	15,00		R	-
42.7	Timber single door and steel frame exceeding 2.5m2 not exceeding 5m2	No	15,00		R	-
43	Take out and remove steel window complete and prepare to receive new aluminium casement system windows (new aluminium windows elsewhere measured):					
43.1	Window size not exceeding 0.5m2	No	6,00		R	-
43.2	Window size exceeding 0.5m2 not exceeding 1m2	No	6,00		R	-
43.3	Window size exceeding 1 m2 not exceeding 1.5m2	No	6,00		R	-
43.4	Window size exceeding 1.5 m2 not exceeding 2m2	No	6,00		R	-
43.5	Window size exceeding 2m2 not exceeding 3m2	No	6,00		R	-
43.6	Window size exceeding 3m2 not exceeding 4m2	No	6,00		R	-
43.7	Window size exceeding 4m2 not exceeding 5m2	No	6,00		R	-

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
43.8	Window size exceeding 5m2 not exceeding 6m2	No	6,00		R -
43.9	Window size exceeding 6m2 not exceeding 7m2	No	6,00		R -
44	Take off and carefully remove burglar screens and set aside for re-use (refixing measured elsewhere):				
44.1	Burglar mesh screen sizes exceeding 0.5m2	No	6,00		R -
44.2	Burglar mesh screen sizes exceeding 0.5m2 not exceeding 1m2	No	2,00		R -
44.3	Burglar mesh screen sizes exceeding 1m2 not exceeding 1.5m2	No	2,00		R -
44.4	Burglar mesh screen sizes exceeding 1.5m2 not exceeding 2m2	No	1,00		R -
44.5	Burglar mesh screen sizes exceeding 2m2 not exceeding 3m2	No	1,00		R -
44.6	Burglar mesh screen sizes exceeding 3m2 not exceeding 4m2	No	1,00		R -
45	Take out and remove existing composite steel window/door complete and prepare to receive new aluminium composite window/door (new aluminium composite window/door elsewhere measured):				
45.1	Steel shopfront size 5040 x 2120mm high overall	No	2,00		R -
45.2	Take out and carefully remove sliding door approximate size 2300mm x 2100mm high overall including track, screws and any bolts used	No	6,00		R -
45.3	Glazed timber window frames 1150 x 1520mm high from brick wall, not exceeding 2,5m2	No	12,00		R -
45.4	Glazed timber window frames 1500 x 1520mm high from brick wall, not exceeding 2,5m2	No	13,00		R -
45.5	Glazed timber window frames 1150 x 900mm high from brick wall, not exceeding 2,5m2	No	5,00		R -
45.6	Glazed timber window frames 580 x 930mm high from brick wall, not exceeding 2,5m2	No	8,00		R -
45.7	Glazed timber window frames 900 x 850mm high from brick wall, not exceeding 2,5m2	No	7,00		R -
45.6	Glazed timber window frames 900 x 930mm high from brick wall, not exceeding 2,5m2	No	1,00		R -

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
46	ROOFS, CEILINGS, CLADDING AND RELATED ITEMS				
	Taking down and removing roofs, floors, panelling, ceilings, partitions, etc.				
46.1	Corrugated iron roof covering, all existing pitched roof timber, existing steel rainwater goods, existing fascia and barge boards, existing painted knock up ceiling, etc. on unit size 8.94m x 15.09m on plan and on height approximately 3m above natural ground level.	No	5,00		-
46.2	Ditto, but on unit size 9.02m x 15.09m on plan.	No	1,00		-
46.3	Ditto, but on unit size 3.34m x 7.30m on plan.	No	6,00		-
46.4	Ditto, but on unit size 3.46m x 6.08m on plan.	No	1,00		-
46.5	Remove profiled sheeting				
46.5.1	Take down IBR profile heavy industrial 85% translucent glassfibre reinforced polyester roofing sheets, in single lengths, fixed to steel purlins	m2	214		-
46.5.2	Remove and take down IBR profile heavy industrial 85% translucent glassfibre reinforced Polyester side wall sheets (side cladding), in single lengths, fixed to steel columns	m2	214		-
46.6	<u>REMOVING METAL ROOF SHEETING AND ACCESSORIES</u>				
	Remove and take down 0,8mm thick "Safintra Saflok" or similar approved Aluminium IBR Roofing sheets And 0,8mm thick Accessories with Polyclosers where necessary, both with chromadek colour one side, in single sheet lengths and fixed to timber trusses				
46.6.1	Roof covering with pitch not exceeding 25 degrees.	m2	4017		-
46.6.2	Corner trim.	m	184		-
46.6.3	Barge flashing	m	26		-
46.6.4	Apex flashing.	m	26		-
46.6.5	Expanded polyethylene polycloser eaves filler.	m	368		-
46.6.6	Side cladding attached to steel purlins / columns	m2	3500		-
46.7	Remove and take down Insulation				
46.7.1	Strip and take down Sisalation 420 RSA reinforced aluminium foil insulation laid with 150mm wide laps at all joints on top of steel purlins on and including 2mm diameter galvanised wires tightly strained across tops of purlins at 500mm centres.	m2	262		-

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
46.8	Removing cement roof tiles				
46.8.1	Carefully remove damaged cement roof tiles and replace with new roof tiles (elsewhere measured) to match existing as directed by the Project Manager / Principal Agent				
46.8.2	Cement roof tiles including 38 x 38mm battens at 400mm centres	m2	950		-
46.8.3	Cement ridge cappings	m	200		-
46.9	Take down slate roof tiles and cart off site:				
46.9.1	Carefully remove slate tiles and take off site damaged slate tiles as directed by the Project Manager or Principal Agent	m2	800		-
46.9.2	Carefully remove slate tiles and replace with new (elsewhere measured) to match existing as directed by the Project Manager or Principal Agent	m2	800		-
46.10	Take down fibre cement roof sheetings, slate tiles, etc and cart off site:				
46.10.1	Fibre cement "BigSix" profile roof sheeting	m2	500		-
46.10.2	Carefully remove slate tiles and take off site damaged or broken fibre cement roof sheeting as directed by the Project Manager or Principal Agent	m2	800		-
46.10.3	Carefully remove existing fibre cement roof sheeting in patches (new sheeting elsewhere measured) as directed by the Project Manager or Principal Agent	m2	800		-
46.11	Take down and remove sundry roof timbers, etc:				
46.11.1	12 x 225mm wide fascia board fixed to timber rafters	m	25		-
46.11.2	12 x 225mm wide barge board fixed to timber rafters	m	25		-
46.11.3	38 x 52mm Purlins	m	350		-
46.12	Take down and removing aluminium gutters and make good remaining surfaces and finishes:				
46.12.1	Aluminium gutters fixed to fibre cement fascia	m	150		-
46.13	Take down asbestors gutters and downpipes and cart off site (contractor to follow precautional guidelines as per OHSA):				

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>		<u>AMOUNT</u>
46.13.1	Asbestos cement gutter fixed to fascia	m	30		R	-
46.13.2	Asbestos cement down pipes with offsets, shoes and brackets	m	35		R	-
46.14	Take down slate fibre cement roof gutters, including downpipes and cart off site:					
46.14.1	Carefully remove and take off site damaged fibre cement gutters and downpipes as directed by the Project Manager or Principal Agent	m	30		R	-
46.14.2	Carefully remove fibre cement water tanks located on the ground including disconnecting piping	No	5		R	-
46.14.3	Carefully remove fibre cement water tanks located on steel structure 10m high above the ground including disconnecting piping	No	5		R	-
46.15	Take down damaged timber eaves, eaves closure and barge boards and cart off site:					
46.15.1	Carefully remove and take off damaged timber eaves, eaves closure and barge boards as directed by the Project Manager / Principal Agent	m	50		R	-
46.16	Carefully taking out roof coverings to existing building at junction with new roof:					
46.16.1	Corrugated galvanised mild steel sheeting	m2	45		R	-
46.16.2	Allow for lifting as required and joining new to existing steel roof sheets and have junction seamlessly built and completely waterproofed with suitable laps, nailing and sealing as required	m	30		R	-
46.17	Taking down and removing roofs, floors, panelling, ceilings, partitions, etc:					
46.17.1	Carefully cut out damaged tongued and grooved timber roof boarding patches:	m2	55		R	-
46.17.2	Valley linings	m2	65		R	-
46.17.3	Counter flashings	m2	65		R	-
46.17.4	Carefully remove existing waterproofing from concrete flat roof and prepare surfaces for new waterproofing	m2	65		R	-
46.17.5	Malthoid underlay to roof coverings	m2	950		R	-
46.17.6	Slatted timber eaves soffit lining	m2	330		R	-
46.17.7	Wood framed louvre panels	m2	150		R	-
46.17.8	Fullbore outlets	No	5		R	-

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>		<u>AMOUNT</u>
46.17.9	Suspended ceilings including grid, etc	m2	1200		R	-
46.17.10	Gypsum plasterboard ceilings, including cornices, timber brandering, etc and prepare to receive new (new elsewhere measured)	m2	1000		R	-
46.17.11	Gypsum plasterboard ceilings (timber brandering left in position)	m2	950		R	-
46.17.12	Acoustic tile suspended ceilings including suspension grid, hangers, etc	m2	1200		R	-
46.17.13	Timber skirtings	m	502,00		R	-
47	Taking out and removing sundry joinery work:					
47.1	Built-in wardrobe 2085mm in length and approximately 2500mm high in bedroom.	No	12,00		R	-
47.2	Built-in wardrobe 1300mm in length and approximately 2500mm high in passage.	No	1,00		R	-
47.3	Built-in wardrobe 3600mm in length and approximately 2500mm high in bedroom.	No	1,00		R	-
47.4	Built-in cupboard with counter top 2600mm in length and approximately 2500mm high in kitchen.	No	6,00		R	-
47.5	L-shaped Built-in cupboard with counter top 2300mm in length and approximately 2500mm high in kitchen.	No	6,00		R	-
47.6	Built-in cupboard with counter top and single bowl sink 2000mm in length and approximately 950mm high in kitchen.	No	6,00		R	-
47.7	Cupboards 2400mm high	m	100		R	-
47.8	Floor cupboards 700mm high	m	100		R	-
47.9	Wall cupboards 400mm high	m	100		R	-
47.10	Wall mounted shelf size 3000 x 300mm wide	No	5		R	-
47.11	Worktops	m	50		R	-
47.12	Timber cornices from brickwork	m	350		R	-
47.13	Timber sills from brickwork	m	150		R	-
47.14	Timber dado rail from brickwork	m	80		R	-
47.15	Remove and replace duct board size 1000 x 400mm high	m	50		R	-
47.16	Taking off and removing skirtings:					
47.17	Vinyl skirtings from walls	m	600		R	-

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>		<u>AMOUNT</u>
47.18	Timber skirtings from brickwork	m	600		R	-
48	Taking out/off and removing sundry metalwork	No	6,00		R	-
48.1	Double security gates 2460 x 2120mm from existing 230mm wall.	No	6,00		R	-
48.2	Single security gates 900 x 1500mm from existing 230mm wall.	No	24,00		R	-
48.3	Security screen size 1840 x 2120mm from existing 230mm wall.	No	12,00		R	-
49	Hacking up/off and removing granolithic, screeds, plaster, etc. from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc.					
49.1	25mm floor screed and prepare concrete floors to receive new screed	m²	293,00		R	-
49.2	Internal plaster from walls, columns and prepare walls to receive new plaster.	m²	349,00		R	-
49.3	External plaster from walls and prepare walls to receive new plaster.	m²	227,00		R	-
	Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, etc:					
49.4	Vinyl tile floor covering including preparing screed for new carpet, vinyl sheeting or tile etc (new floor finish elsewhere measured)	m2	70		R	-
49.5	Carpet floor covering including preparing screed for new carpet, vinyl sheeting or tile etc (new floor finish elsewhere measured)	m2	2000		R	-
49.6	Parquet floor covering including preparing new screed (elsewhere measured)	m2	500		R	-
49.7	Linoleum floor covering including preparing new screed (elsewhere measured)	m2	500		R	-
49.8	30mm Granolithic from floors	m2	200		R	-
49.9	9mm thick Terrazzo flooring	m2	1200		R	-
49.10	150 x 150mm Tiles on walls	m2	50		R	-
49.11	200 x 200mm Tiles on splashbacks	m2	50		R	-
49.12	200 x 200mm Tiles on walls	m2	50		R	-
49.13	200 x 200mm Tiles on floors	m2	50		R	-
49.14	400 x 400mm Tiles on floors	m2	50		R	-

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>		<u>AMOUNT</u>
49.15	Quarry tiles on floors	m2	50		R	-
49.16	Tile skirting 75mm high	m	300		R	-
	Taking out/off and removing sundry metalwork:					
49.17	Steel corner edge protection from concrete surface bed, including making good finish	m	45		R	-
49.18	Steel balustrades 1100mm high from concrete surface bed, including making good finish	m	45		R	-
50	Taking out and removing ironmongery:					
50.1	Towel rail	No	2		R	-
50.2	Stainless steel toilet roll holder	No	2		R	-
50.3	Soap dispenser	No	5		R	-
50.4	Paper towel dispenser	No	5		R	-
50.5	Coat hooks	No	5		R	-
	Remove and replace ironmongery:					
50.6	Brass window sliding stays	No	4		R	-
50.7	Brass window handles	No	4		R	-
	Taking out and removing various types of signage and billboards (making good wall finishes elsewhere measured)					
51	Signage and billboard, including support framing brackets	m2	10		R	-
	Carefully remove sundry metalwork and later refixing in similar position					
52	Remove and refix aluminium stair nosing	m	13		R	-
53	Taking out and removing glass and mirrors:					
53.1	Mirror 400 x 600mm high wall	No	2		R	-
53.2	Mirror 400 x 1000mm high wall	No	2		R	-
54	Taking off and removing blinds, pelmets, etc:					
54.1	Blinds to suit approximate window size 800 x 2100mm high	No	2		R	-
54.2	Timber or steel pelmet from brickwork or concrete	m	120		R	-
54.3	Steel curtain rail from brickwork or concrete	m	120		R	-

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>		<u>AMOUNT</u>
55	Remove and take down Insulation Rain Water Goods					
	Strip down Insulation 0,8mm Thick Watertite Seamless Pre-Painted Aluminium Ogee Gutter, Rainwater Pipe And Accessories In Long Lengths					
55.1	200 x 250mm Eaves gutter fixed to steel purlines.	m	142		R	-
55.2	300 x 150mm Eaves gutter fixed to steel purlines.	m	16		R	-
55.2	100 x 125mm Eaves gutter fixed to fibre cement fascia.	m	60		R	-
56	Taking out and removing piping, sanitary fittings, etc., including cutting off as necessary, disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)					
56.1	PVC piping not exceeding 50mm diameter	m	280,00		R	-
56.2	PVC piping not exceeding 110mm diameter	m	280,00		R	-
56.3	PVC piping not exceeding 150mm diameter	m	280,00		R	-
56.4	Vitreous china wash hand basin, including two bib taps, short lengths of piping, etc.	No	8,00		R	-
56.5	Vitreous china WC pan with cistern, including short lengths of piping, etc.	No	8,00		R	-
56.6	Vitreous china WC pan hung urinal with flush valve	No	8,00		R	-
56.7	Stainless steel wall sink, including bib taps and drainer, including short lengths of piping, etc.	No	6,00		R	-
56.8	Stainless steel wall trough urinal cisterns	No	6,00		R	-
56.9	Taking out and removing glass and mirrors. Size 300 x 800mm	No	4,00		R	-
56.10	Taking out and removing glass and mirrors. Mirror 300 x 300mm high from wall	No	8,00		R	-
56.11	15mm Copper piping including fittings and brackets	m	200,00		R	-
56.12	22mm Copper piping including fittings and brackets	m	200,00		R	-
56.13	40mm uPVC pipes	m	200,00		R	-
56.14	50mm uPVC pipes	m	200,00		R	-

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
56.15	Stainless steel double bowl sink including sink mixer	No	15,00		R -
56.16	Stainless steel wash hand basin including removing of taps, etc	No	15,00		R -
56.17	Bath including removal of taps	No	15,00		R -
56.18	Shower fitting comprising underwall stopcocks, rose and arm and floor trap	No	15,00		R -
56.19	Wash hand basin including 2 No. bib taps	No	2,00		R -
56.20	Plastic WC cisterns	No	2,00		R -
56.21	Mixer with elbow action heads	No	2,00		R -
56.22	Pillar taps	No	10,00		R -
56.23	Hot water cylinders not exceeding 250 litres	No	2,00		R -
56.24	Drip trap to Hot water cylinders (HWC)	No	2,00		R -
57	CLEANING OF RAINWATER GOODS Quarterly cleaning of gutters and downpipes on buildings including removal of debris and vegetation growth; and disposal at an appropriate site:				
57.1	Buildings with heights exceeding 3 metre high, not exceeding 4,5 metre high	m	200,00		R -
57.1	Buildings with heights exceeding 4,5 metre high, not exceeding 6 metre high	m	200,00		R -
57.3	Buildings with heights exceeding 6 metre high	m	200,00		R -
58	CEILING REPLACEMENT 7 mm PVC and gysum ceiling and fixing accessories fixed to 38x50 pine brandering at 450 mm centres one way, with and including 32x2.5mm galvanised serrated ceiling nails with 75mm polystyrene coved cornice, painted white:				
58.1	Remove suspended ceiling	m2	134		R -
58.2	75mm Coved cornice	m	140		R -
58.3	Remove gypsum ceiling	m2	30		R -
59	MAKING GOOD OF FINISHES, ETC				
59.1	Making good internal cement plaster				
59.2	Walls in patches. (Provisional)	m²	349,00		R -

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>		<u>AMOUNT</u>
59.3	Walls where 110mm brick walls removed	m²	15,00		R	-
59.4	Walls where 220mm brick walls removed	m²	25,00		R	-
59.5	Making good external cement plaster	m2	600		R	-
59.6	Walls in patches. (Provisional)	m²	227,00		R	-
59.7	Walls where 230mm brick walls removed	m²	24,00		R	-
59.8	Walls where 110mm brick walls removed	m²	36,00		R	-
	Repairing cracks in walls:					
59.9	Carefully opening crack in existing half brick wall, preparing, filling and sealing with an approved epoxy filling and finishing off flush to adjacent finishes, including stitching into mortar joints across crack.	m	185,00		R	-
59.10	Carefully opening crack in existing cavity brick wall, preparing, filling and sealing with an approved epoxy filling and finishing off flush to adjacent finishes, including stitching into mortar joints across crack.	m	163,00		R	-
60	BUILDING UP OPENINGS					
	Brickwork in NFP bricks in class II mortar in building up openings					
60.1	110mm brick walls	m²	250,00		R	-
60.2	220mm Brick walls	m²	1000,00		R	-
60.3	280 hollow walls of two half skins	m²	250,00		R	-
60.4	Mass brickwork	m3	250,00		R	-
61	OPENINGS THROUGH EXISTING WALLS ETC					
	Altering openings					
61.1	Altering opening in one brick wall where 900 x 850mm high steel window removed to form opening for new timber door and frame size 900 x 2040mm high by breaking out brickwork on both sides and bottom, including making good cement plaster on both sides and into reveals (new door and making good paintwork elsewhere)	No	1,00		R	-

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>		<u>AMOUNT</u>
61.2	Altering opening for aluminium window size 1100 x 1220mm high overall by cutting out and removing concrete lintol over, solid brickwork at reveals for full height of door, remove floor finish in opening, brick up opening as required 812mm below window cill and above insert concrete lintol over window opening, close up cavity at reveals and damp proof course, make good plaster both sides returned into reveals of opening, make good skirting on one side (new cills, new window and making good paintwork elsewhere measured)	No	5,00		R	-
62	Taking down and removing:					
62.1	Palisade Security fence up to 3m high complete	m	100,00		R	-
62.2	Half brick boundary or yard wall 2.10m high with 220mm x 220mm brick piers not exceeding 3m intervals.	m	100		R	-
62.3	High security chain link fence 3m high complete	m	100		R	-
62.4	Welded mesh fencing up to 3m high complete	m	100		R	-
62.5	Electric fence, taut wire fence and fence Detection Systems up to 3m high complete	m	100		R	-
Sub total (Bill No. 2)						

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
	<u>BILL NO.3</u>				
	<u>EARTHWORKS (PROVISIONAL)</u>				
63	<u>SITE CLEARANCE, ETC.</u>				
	<u>Site clearance etc:</u>				
63.1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc.	m²	41,00		R -
63.2	Stripping average 150mm thick layer of top soil and stockpiling on site.	m²	500,00		R -
63.3	Cut down and remove tree exceeding 200mm and not exceeding 500mm girth, grub up and remove roots, fill hole with earth selected from the excavated material and consolidate.	No	15		R -
63.4	Ditto, but exceeding 500mm and not exceeding 1000mm girth.	No	5		R -
64	<u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u>				
	<u>Excavation in earth not exceeding 2m deep:</u>				
64.1	Trenches.	m3	15,00		R -
64.2	Holes.	m3	1,00		R -
64.3	Reduced levels under floors.	m3	6,00		R -
64.4	Foundation beam	m3	7		R -
64.5	Ditto, but for column bases.	m3	81		R -
64.6	Extra over excavations in earth to bases and trenches for excavation in soft rock.	m3	45		R -
64.7	Ditto, but in hard rock.	m3	22		R -
64.8	Excavate in earth for working space (at Contractor's discretion) exceeding 500mm and not exceeding 1500mm deep	m2	64		R -
64.9	Extra over ditto for excavation in soft rock.	m2	6		R -
64.10	Ditto, but for excavation in hard rock.	m2	3		R -
64.11	Extra over all excavations for carting away from the site all surplus excavated material.	m3	251		R -
64.12	Allow for risk of collapse to sides of trench and base excavations not exceeding 1500mm deep.	m2	1184		R -
64.13	Allow for keeping excavations free from water.	Item	1		R -

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
64.14	Earth filling, selected by the Contractor from the excavated material, deposited in layers not exceeding 150mm thick, watered and consolidated as backfilling to trenches, bases, etc.	m3	186		R -
64.15	Earth filling, selected and supplied by the Contractor, deposited in layers not exceeding 150mm thick, watered and consolidated to 95% modified AASHTO density under floors, etc.	m3	599		R -
64.16	Clean, dry, sand filling, selected and supplied, deposited, watered and consolidated in 25mm thick blinding layer under floors, etc.	m3	119		R -
64.17	Ant proofing treatment to surfaces of ground under floors, etc including forming, saturating with ant poisoning solution, filling and consolidating 75 x 75mm V-shaped grooves along face of walls, including provision of certificate by anti-termite soil poison Registered Pest Control Company and guaranteed against termite infestation for ten years:	m2	3718		R -
64.18	Provide and have filling compaction tested by a Consulting Engineer's Laboratory and deliver the results to the Architect / Project Manager within 24 hours of the tests being completed.	No	36		R -
	<u>Extra over trench and hole excavations in earth for excavation:</u>				
64.19	Soft Rock.	m3	2,00		R -
64.20	Hard Rock.	m3	1,00		R -
	<u>Extra over all excavations for carting away:</u>				
64.21	Allow for spreading and levelling of surplus material on site in layer not exceeding 15mm and not exceeding 25m distance	m2	200,00		R -
64.22	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor.	m3	15,00		R -
	<u>Risk of collapse of excavations:</u>				
64.23	Sides of trench and hole excavations not exceeding 1,5m deep.	m2	60,00		R -
	<u>Keeping excavations free of water:</u>				
64.24	Keeping excavations free of water.	Item	1,00	Work Package Stage	
65	<u>FILLING ETC</u>				
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 93% Mod AASHTO density:</u>				
65.1	Under floors, steps, pavings, etc.	m3	2,00		R -

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>		<u>AMOUNT</u>
65.2	Backfilling to trenches, holes, etc. <u>Earth filling supplied by the contractor, compacted to 95% Mod AASHTO density.</u>	m3	4,00		R	-
65.3	Under floors, steps, pavings, etc. Earth filling of G5 material supplied by the contractor compacted in 150mm layers compacted to 98% Mod AASHTO to density	m3	6,00		R	-
65.3	Under floors, steps, pavings, etc.	m3	2,00		R	-
65.5	Backfilling to trenches, holes, etc. Earth filling of G7 material supplied by the contractor compacted in 150mm layers compacted to 95% Mod AASHTO to density	m3	4,00		R	-
65.6	Under floors, steps, pavings, etc. <u>Coarse river sand filling supplied by the contractor:</u>	m3	2,00		R	-
65.7	Under floors etc. Compaction of surfaces	m3	1,00		R	-
65.8	Compaction of ground surface under floors, etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	193,00		R	-
66	"Field Density" test, including "Optimum Moisture Content" (four readings per test).	No	2,00		R	-
Sub total (Bill No 3)						

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
	<u>BILL NO.4</u>				
67	<u>CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)</u> NOTE:All reinforced concrete is to be compacted with a mechanical vibrator. All formwork shall include for propping to not exceeding 3500mm high unless otherwise described. Formwork to sides of walls and columns shall be to walls and columns not exceeding 3500mm high unless otherwise described. Formwork to soffits of solid slabs shall be to slabs not exceeding 250mm thick unless otherwise described.----- CONCRETE(CPAP Work Group No. 110 Unless Otherwise Stated) TESTS NOTE: Should the strength required for the concrete in any portion of the structure not be attained in the test cubes, or should any concrete whatsoever be defective the portion in question is to be demolished and replaced at the expense of the Contractor.----- <u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES (PROVISIONAL)</u> <u>25MPa/20mm concrete:</u>				
67.1	Footings and Ground Beams.	m3	3,00		R -
67.2	Surface beds on waterproofing.	m3	1,00		R -
67.3	Concrete to V channel in aprons.	m3	2,00		
67.4	Column bases.	m3	1,00		R -
67.5	Cavity fill.	m3	1,00		R -
67.6	Concrete in Beams	m3	3,00		R -
67.7	Stairs including steps, landings, beams and inverted beams.	m3	2		R -
67.8	Isolated beams.	m3	4		R -
67.9	Columns.	m3	1		R -
	Reinforced cement concrete (30MPa, 19/38mm stone mix with a washed concrete crusher sand and maximum water ratio of 0,55):				
67.10	Surface beds on waterproof sheeting.	m3	6		R -
	Narrow surfaces				
67.11	Columns in foundation	m3	2		R -

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>		<u>AMOUNT</u>
67.12	Columns	m3	4		R	-
67.13	Beams	m3	2		R	-
67.14	Lift shaft	m3	3		R	-
67.15	Ramps	m3	2		R	-
67.16	Staircase including landings	m3	1		R	-
67.17	Slabs	m3	3		R	-
67.18	Cantilever slabs	m3	2		R	-
67.19	Plinth	m3	1		R	-
	Unreinforced Cement Concrete (15MPa) In:					
67.20	Blinding under bases.	m3	4			
67.21	Blinding under foundation beams.	m3	0,4			
	Cement Concrete (10 MPa)					
67.22	10MPa Blinding	m3	18,00		R	-
	CONCRETE SUNDRIES					
67.23	Float top of concrete with a wood float and finish with a brushed non-skid surface whilst concrete is still green with the addition of 2.1 sand and cement as necessary.	m2	28		R	-
67.24	Float top of concrete with a wood float to falls and finish with a brushed non-skid surface whilst concrete is still green with the addition of 2.1 sand and cement as necessary.	m2	100		R	-
67.25	Power float top of concrete to a dead level, hardwearing, smooth surface in accordance with SABS 0100 Code of Practice.	m2	3626		R	-
67.26	40mm Thick non-shrink grout under base plates size 500 x 600mm including chamfered edge all around.	No	46		R	-
67.27	Take delivery of set of four holding down bolts and cast into exact position in top of column or base including template, etc.	No	46		R	-
68	<u>ROUGH FORMWORK (DEGREE OF ACCURACY III)</u>					
	<u>Rough formwork to sides:</u>					
68.1	Concrete aprons. (average of 75mm thickness).	m	21,00		R	-
68.2	Sides & soffits of isolated beams	m2	10,00		R	-
68.3	Cantilever slabs	m2	12,00		R	-

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
68.4	Slabs	m2	150,00		R -
68.5	Staircase including landings	m2	4,00		R -
	Class F1 Formwork To				
68.6	Steppings to footings.	m2	90		R -
68.7	Sides of foundation beams.	m2	38		R -
68.8	Sides of square or rectangular columns.	m2	85		R -
68.9	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	409		R -
69	<u>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</u>				
	<u>Smooth formwork to sides:</u>				
69.1	Plinths	m2	24,00		R -
69.2	Landings	m2	2,52		R -
69.3	Walls	m2	400		R -
69.4	Roof slabs	m2	200		R -
69.5	Upstand beams	m2	70		R -
	<u>Smooth formwork to soffits</u>		409		
69.7	Roof slabs	m2	150		R -
70	<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>				
	Rough Formwork to Sides:				
70.1	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	263,00		R -
71	Bitumen impregnated softboard expansion joints				
71.1	Joint not exceeding 300mm high or wide formed of one layer 10mm thick softboard set between vertical concrete or brick surfaces.	m	81		R -
71.2	Soffit of landings.	m2	1		R -
71.3	Sloping soffit of stairs.	m2	6		R -
71.4	Sides and soffits of isolated beams.	m2	40		R -
71.5	Sides of square or rectangular columns.	m2	12		R -

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>		<u>AMOUNT</u>
71.6	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	39		R	-
71.7	Sloping and stepped edge of stairs 75mm high extreme.	m	13	Work Package Stage		
72	<u>REINFORCEMENT (PROVISIONAL)</u>					
A	<u>Mild tensile steel reinforcement to structural concrete work:</u>					
72.1	Plinths	t	0,50		R	-
72.2	Landings	t	0,20		R	-
72.3	Walls	t	9,00		R	-
72.4	Roof slabs	t	4,00		R	-
72.5	Upstand beams	t	0,50		R	-
B	<u>High tensile steel reinforcement to structural concrete work:</u>					
72.6	8mm Diameter bars.	t	0,50		R	-
72.7	10mm Diameter bars.	t	0,50		R	-
72.8	12mm Diameter bars.	t	0,50		R	-
	<u>Fabric reinforcement:</u>					
72.9	Type 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	27,00		R	-
72.10	High tensile steel mesh Ref. 100 to concrete surface beds, slabs, etc.	m2	174		R	-
72.11	Type 395 fabric reinforcement in concrete plinths, etc.	m2	27,00		R	-
72.12	Type 395 fabric reinforcement in concrete landings, etc.	m2	15,00		R	-
73	<u>High tensile steel dowel bars</u>					
73.1	12mm Diameter bar 900mm long with one end embedded 150mm deep in side of existing concrete using Hilti HIT-RE 500 or similar approved	No	200,00		R	-
74	<u>MOVEMENT JOINTS ETC</u>					
	<u>REMOVING METAL ROOF SHEETING AND ACCESSORIES</u>					
	<u>Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces:</u>					
74.1	10mm Joints not exceeding 300mm high (Provisional).	m	9,00		R	-

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
	<u>Approved polysulphide sealing compound including backing cord, bond breaker, primer etc.:</u>				
74.2	10 x 10mm In vertical expansion joints between concrete and brick surfaces, including raking out expansion joint filler as necessary (Provisional).	m	9,00		R -
	<u>Vertical construction joints through concrete including thick cement slurry to one face:</u>				
74.3	Surface beds not exceeding 300mm thick.	m	9,00		R -
	<u>Saw-cut joints:</u>				
74.4	3 x 40mm Saw-cut joints in top of concrete.	m	9,00		R -
	Construction Joints				
74.5	Vertical joggle joint 150mm high between vertical concrete surfaces with and including 2.1 cement slurry to one face.	m	943		R -
	Sub total (Bill No 4)				

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
75	<u>PRECAST CONCRETE (CPAP Work Group No. 112 Unless stated otherwise)</u>				
	<u>Precast prestressed concrete (30 Mpa) including necessary moulds, reinforcement, formwork, etc and hoisting and fixing in position:</u>				
75.1	Lintol size 105 x 75mm high in varying lengths and building ends 150mm deep into brickwork in 1:3 cement mortar.	m	8,00		
75.1	110 x 75mm Lintels in lengths not exceeding 3m.	m	290,00		R -
75.2	Shukuma Or similar approved precast concrete slab 150 span D (Wiring 7x5mmx9.53) with 75mm concrete topping reinforced with Mesh Ref. 100 200mm thick hollow core precast concrete suspended floor slab. (1200mm width.(sizes: 1200mm width x 6000mm lengths (on average)).	m2	200		R -
	<u>Precast concrete finished smooth on exposed surfaces including bedding, jointing and pointing</u>				
75.3	2600 x 1400 x 300mm thick hollow core precast concrete including bedding edges all round, including lifting eye (reinforcement elsewhere measured)	No	3		R -
75.4	2400 x 1400 x 300mm thick hollow core precast concrete including bedding edges all round, including lifting eye (reinforcement elsewhere measured)	No	3		R -
Sub total (Bill No 5)					

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
86	<p><u>ROOF COVERINGS</u></p> <p>WORK GROUPS: Unless otherwise stated the work group for this Bill shall be WG124</p> <p>Trade Preambles:</p> <p>NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill.</p> <p><u>METAL ROOF SHEETING AND ACCESSORIES</u></p> <p><u>Nominal thickness 0.80mm "Klip-Lok" or similar approved aluminium roofing sheets with silicone polyester top finish, to colour of Architects choice, on an epoxy-primed surface (10 microns) and standard grey backing coat to other side, etc., including fixing to timber purlins at approximately 700 mm centres including all screws, bolts, washers, etc, strictly in accordance with manufacturer's specification:</u></p>				
86.1	Roof covering with pitch not exceeding 25 degrees, in transportable lengths.	m2	23,00		R -
86.2	Standard ridge capping.	m	14,00		R -
	<p><u>ROOF AND WALL INSULATION</u></p> <p><u>Heavy Industrial double sided reflective foil laminate incorporating layers of kraft paper and reinforcing scrim, laminated together with low density polyethylene (293gsm):</u></p>				
86.3	Insulation laid taut over purlins (at approximately 1m centres) and fixed concurrent with roof covering, including taped laps and nylon / galvanised straining wires.	m2	20,00		R -
	<p><u>BROWNBUILT PROFILED METAL SHEETING AND ACCESSORIES</u></p> <p><u>0,58mm Thick pre-painted factory coated Z275 Brownbuilt profile roll-formed roof sheeting in continuous lengths, concealed fixed, on double sided reflective aluminium foil faced insulation barrier:</u></p>				
86.4	Roof covering with pitch not exceeding 25 degrees.	m²	1 151		R -
	0,58mm Thick AZ200 prepainted factory coated finished flashings and accessories including finish to match roof sheeting:				
86.5	Ridge capping to suit roof profile.	m	60,00		R -

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>		<u>AMOUNT</u>
86.6	Headwall flashing 375mm girth and two times bent along girth.	m	50,00		R	-
	PROFILED POLYESTER SHEETING					
	IBR Profile heavy industrial 85% translucent Glassfibre Reinforced polyester roofing sheets, in single lengths, fixed to steel purlins					
86.7	Side cladding.	m2	214		R	-
	PROFILED METAL SHEETING (CPAP Work Group No. 124 Unless Otherwise Stated)					
	0,8mm thick"Safintra Tufdek" aluminium IBR Roofing sheets and 0,8mm thick accessories with polyclosers where necessary or similar approved, both with Chromadek colour one side, in single sheet lengths and fixed to steel purlins					
86.8	Roof covering with pitch not exceeding 25 degrees.	m2	216		R	-
86.9	Side cladding.	m2	2360		R	-
86.10	Corner trim.	m	692		R	-
86.11	Sidewall flashing.	m	60		R	-
86.12	Counter flashing.	m	60		R	-
86.13	Headwall flashing.	m	100		R	-
86.14	Counter flashing.	m	100		R	-
86.15	Jamb flashing.	m	92		R	-
86.16	Expanded polyethylene polycloser eaves filler.	m	1384		R	-
	0,8mm thick"Safintra Tufdek" aluminium IBR Roofing sheets and 0,8mm thick accessories with polyclosers where necessary or similar approved, both with Chromadek colour one side, in single sheet lengths and fixed to timber trusses					
86.17	Roof covering with pitch not exceeding 25 degrees.	m2	4017		R	-
86.18	Corner trim.	m	184		R	-
86.19	Barge flashing	m	26		R	-
86.20	Apex flashing.	m	26		R	-
86.21	Expanded polyethylene polycloser eaves filler.	m	368		R	-

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
	<p>PREFABRICATED ROOF TRUSSES ETC</p> <p>Prefabricated timber roof construction complete including purlins, runners, bracing hips, valleys, cleats, purlins, etc., supplied and fixed complete:</p> <p>Preamble note:</p> <p>Trusses are at approximately maximum 1173mm centres.</p> <p>Roof coverings are 0,58mm Thick Brownbuilt Z275 Prepainted factory coated finished galvanised profile roll-formed roof sheeting with double-sided aluminium foil insulation.</p> <p>References given in descriptions will be referred to the respective roofs detailed on the architect's/engineer's drawings accompanying these Bills of Quantities for tender purposes.</p> <p>The contractor will be required to provide a certificate of approval signed by a registered Professional Engineer that the trusses have been designed, manufactured and installed in accordance with the relevant SABS specifications.</p> <p>Sawn Softwood Grade 4:</p>				
86.22	Roof construction to double pitched roof, size 8,94m x 15,09m on plan with 0,50m overhang on both side, installed complete	No	5,00	Work Package Stage	
86.23	Roof construction to double pitched roof, Unit 6, size 9,02m x 15,07m on plan with 0,50m overhang on both side, including mono pitched roof by master bedroom size 4.20m x 6.23m on plan	No	1,00	Work Package Stage	
86.24	Roof construction to mono pitched roof, Carport, size 3,34m x 7,30m on plan with 0,50m overhang, installed complete	No	6,00	Work Package Stage	
86.25	Roof construction to mono pitched roof, Toilet and Store, size 3,46m x 6,08m on plan	No	1,00	Work Package Stage	
	<p>ROOF SUNDRIES</p> <p>Sundries:</p>				
86.27	Wrought faces on sawn timbers.	m ²	133,00	Work Package Stage	
86.28	50 x 150mm timber beam.	m	82,00		R -
	EAVES, VERGES, ETC				

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
	Medium density plain fibre cement boards:				
86.29	12 x 300mm Fibre cement fascia boards.	m	197,00		R -
86.30	12 x 225mm Fibre cement barge boards.	m	254,00		R -
	<u>PREFABRICATED ROOF TRUSSES, ETC.</u>				
	<u>Plate nailed timber roof truss construction to be Mitek or similar design approved:</u>				
86.31	Roof construction to rectangular shaped double pitched roof not exceeding 25 degree pitch with two hipped ends overall size 4.44 x 4.74m and 3000mm high overall including 38 x 114mm wall plates, trusses, king posts, queen posts, jack rafters, including permanent bracing and all fixing and including 50 x 75mm purlins/battens at centres for roof covering (elsewhere measured) all complete as per Architects Schedule	No	1,00	Work Package Stage	
86.32	Allow for bracing, cross bracing, connecting clips, fixing brackets, hurricane clips, etc., as required for fixing in position of roof trusses as described in accordance with the manufacturer's instructions. Remove existing Roof Trusses exposed to elements & discard	Item	1,00	Work Package Stage	
86.33	Extra over for wrought purlins at eaves and veranda's.	m	18,00	Work Package Stage	
	Sawn softwood:				
86.34	38 x 114mm Wall plates.	m	147,00		R -
86.35	50 x 75mm Purlins.	m	621,00		R -
	Wrought softwood:				
86.36	50 x 76mm Bearer fascia support (Provisional).	m	149,00		R -
	Laminated S. A. pine:				
86.37	90 x 228mm beam.	m	48,00		R -
	<u>Sawn softwood / Pine:</u>				
86.38	38 x 114mm Wall plates.	m	12,00		R -
86.39	50 x 75mm Purlins.	m	31,00		R -
86.40	38 x 114mm Runner (Provisional).	m	40		R -
86.41	38 x 76mm Bracing (Provisional).	m	40		R -
	<u>Wrought softwood:</u>				

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>		<u>AMOUNT</u>
86.42	50 x 76mm Bearer fascia support (Provisional).	m	18,00		R	-
	EAVES, VERGES, CILLS ETC					
	Pressed medium density plain fibre-cement:					
86.43	12 x 225mm Fascia fixed to roof timbers at centres of not exceeding 900mm, including steel H-profile jointing plates, screws, holes, etc.	m	18,00		R	-
86.44	15 x 150mm Nutec or similar approved fiber cement window cill, fixed with galvanised lugs and cast in mortar bed in compliance with manufactures specification etc.	m	2,00		R	-
	NOTE: Truss prices are to include for the design, supply and erection of the trusses complete including bolts, connectors, connections, etc. The dimensions of the trusses given in the following descriptions are nominal and the actual measurements for the design and manufacture of the trusses must be taken from the working drawings. The truss spans given are measured horizontally between the outer faces of the wall plates. -----					
	Monoplaner Prefabricated connector Plate Roof Trusses at 1200mm maximum centres with a pitch of 5 degrees and suitable for 0,6mm thick IBR Roof covering with purlins at 1500mm centres and no ceiling					
	Sawn Pine					
86.45	Monopitch truss size 5570mm span x 600mm high with 350mm overhang.	No	13	Work Package Stage		
86.46	Monopitch truss size 2810mm span x 400mm high with 500mm overhang.	No	8	Work Package Stage		
86.47	Bracing and runners.	Item	1	Work Package Stage		
	EAVES AND VERGES					
	4mm Cladit Fibre Reinforced Cement Sheets or similar approved with 20mm half round wrot meranti cover strips over joints, fixed with cadmium plated nails or smilar approved					
86.48	Horizontal eaves soffit lining in approximately fixed to and including sawn Pine brandering along both edges and across sheets.	m2	34		R	-
	REMOVING METAL ROOF SHEETING AND ACCESSORIES					

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
	Everite unpressed fibre reinforced cement fascia cut or similar approved prodcut to lengths and butt jointed with galvanised H-Profile steel jointing strips and fixed with countersunk brass screws				
86.49	15 x 225mm Fascia or bargeboard.	m	68		R -
87	Insulation				
87.1	Sisalation 420 RSA reinforced aluminium foil insulation laid with 150mm wide laps at all joints on top of steel purlins on and including 2mm diameter galvanised wires tightly strained across tops of purlins at 500mm centres.	m2	262		R -
88	Rain Water Goods				
	0,8mm thick watertite seamless pre-painted aluminium Ogee Gutter, rainwater pipe and accessories in long lengths or similar approved				
88.1	200 x 250mm Eaves gutter fixed to steel purlins.	m	142		R -
88.2	300 x 150mm Eaves gutter fixed to steel purlins.	m	16		R -
88.2	100 x 125mm Eaves gutter fixed to fibre cement fascia.	m	60		R -
	Extra for				
88.3	Stopped end.	No	10		R -
88.4	Outlet with nozzle for 75 x 100mm rainwater pipe.	No	23		R -
	(End Of Extra For)				
88.5	75 x 100mm Rectangular section rainwater pipe fixed 25mm clear of walls with galvanised sheet iron ears screwed to and including 200 x 70 x 22mm chamfered and oiled hardwood blocks plugged to wall.	m	129		R -
	Extra For				
88.6	Shoe.	No	23		R -
88.7	Bend.	No	23		R -
88.8	Swanneck bend.	No	19		R -
88.9	Swanneck 500mm projection.	No	23		R -
88.10	80mm Spreader 800mm long and fixing to bottom of 80mm rainwater pipe.	No	5		R -

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
	Wrot Meranti				
88.11	19mm Quadrant bead.	m	102		R -
	Sub total (Bill No 8)				

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
	<u>BILL NO.9</u>				
89	<u>DOORS, JOINERY, ETC</u>				
	<u>Wrought meranti:</u>				
	<u>Approved solid flush doors, with Commercial veneer both sides and with hardwood edge strips, tongued and sides and grooved on to edges:</u>				
89.1	44mm Thick, Solid core commercial ply double flush panel door, including rebated meeting styles with 10mm hardwood edges size 1100 x 2,032mm high including 450 x 450mm natural anodised aluminium vent grille slotted in door complete	No	1,00	R	-
	<u>Approved solid meranti FLB doors:</u>				
89.2	44mm Thick, framed, ledged braced and batten single door, size 901 x 2032mm high with rebated meeting edges, formed of 44 x 114mm stiles and top rail, 22 x 114mm middle ledge and braces and 22 x 222mm bottom ledge including the stiles and top rail grooved for and filled in flush on one side with 6mm plywood and otherside with 22 x 70mm tongued, grooved and V-jointed vertical boarding with V-joint continued around framing on flush side, including each board twice countersunk, screwed at intersections with ledges all	No	1,00	R	-
	<u>8 Leaf wooden folding doors:</u>				
89.3	Aluglass Bautech Varifold or similar approved wooden folding door model (Classic / Elegance) with clear opening of 2400mm high x 6790mm wide finished and including heavy duty hook lock all	No	3,00		
	Wrought meranti doors:				
89.4	42mm Sunshine manufacturing or equally approved wide horizontal grooved solid Meranti slatted door (Meranti kiln dried), size 813 x 2032mm high	No	6,00	R	-
89.5	44mm FLB door, size 813 x 2032mm high	No	6,00	R	-
	HARDWOOD DOORS				
	Hardwood doors				

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>		<u>AMOUNT</u>
89.6	44mm Thick semi-solid flush door, edged with 10mm hardwood faced with tempered smooth face hardwood for panting, size 813 x 2032mm	No	25,00		R	-
	Red Meranti					
	Solid Core Flush Doors Finished On Both Faces With Decorative Veneer					
89.7	40mm Door in two leaves with rebated meeting stiles, size overall 1511 x 2032mm.	No	12		R	-
89.8	40mm Door, (Hung) size 813 x 2032mm.	No	5		R	-
89.9	Extra for forming opening for louvre unit size 400 x 300mm.	No	5		R	-
	Sundries					
89.10	Troxor or similar approved non-vision door grille (type ADS-T) with matching rear frame complete with horizontal fixed angled blades and border countersunk for screw fastening. (Size: 425 x 325mm (on average))	No	5		R	-
	Bitcon Rubidor Class A fire doors or similar approved, including primed pressed steel frames for one Brick Wall, finished on both faces with commercial veneer					
89.11	Door, (Hung) size 813 x 2032mm.	No	7		R	-
	FRAMED FRAMES ETC					
	Wrought meranti:					
89.12	75 x 100mm Rebated frames plugged, with galvanised lugs every 5th brick course and 3 PVC buffers to closing.	m	249,00		R	-
89.13	19mm hardwood quadrant trim of door frame	m	498,00		R	-
	FRAMED FRAMES ETC					
	Wrought meranti:					
89.14	70 x 108mm Rebated and angle rounded door frames plugged	m	5,00		R	-
	SKIRTINGS, ARCHITRAVES, ETC					
	Wrought meranti:					

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
89.15	19 x 76mm Skirting including 19 mm quadrant bead planted on.	m	15,00		R -
89.16	19 x 70mm Angle rounded skirting, plugged and including 19mm quadrant bead planted on.	m	447		R -
	<u>Sundries:</u>				
89.17	38 x 76 mm Chamfered and grooved weatherboard fixed in and including groove or rebate in underside of door.	m	1,00		R -
	<u>HARDWOOD TIMBER SUNDRIES</u>				
	<u>Wrought meranti:</u>				
89.18	32mm Diameter polished hardwood longarm window opener 1500m long fitted with polished brass pole hook, secured with one chromium plated spring clips screwed to and including small polished hardwood block plugged to wall.	No	1,00		R -
	Custom mad door, frames and ironmongery				
	All below mentioned items include all fittings (to be priced using the applicable drawings)				
89.19	Custom design Roll up Serranda galvanised roll up door frame Epoxy finish (TYPE E) or similar approved	No	2,00		R -
89.20	Custom design Roll up Serranda galvanised roll up door frame Epoxy finish (3800x3760m or similar approved	No	4,00		R -
89.21	Custom design Roll up Serranda galvanised roll up door frame Epoxy finish (2500x3760m) or similar approved	No	2,00		R -
89.22	2500 x 3500h SABS CAT 2 double reinforced strongroom door with 10mm plate ,75mm total door thicknes,galvernized finish	No	2,00		R -
89.23	1000 x 2400h SABS CAT 2 double reinforced strongroom door with 10mm plate ,75mm total door thicknes,galvernized finish	No	4,00		R -

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
90	<u>JOINERY FITTINGS (PROVISIONAL)</u>				
	<u>General Joinery Fittings complete:</u>				
	<u>Kitchen Cupboard:</u>				
90.1	L shaped Kitchen Counter 02, 1486mm in length with 600mm wide Rustenburg granite counter top with double bowl sink (Elsewhere measured), colour Espresso 900mm above the ground, with cupboards underneath, inclusive of all ironmongery	No	6,00	Work Package Stage	
90.2	L shaped Kitchen Counter 03, 2499mm in length with 600mm wide Rustenburg granite counter top, colour Espresso 900mm above the ground, cupboards underneath, 1200mm high cupboards and open shelves 500mm above counter, and microwave position, inclusive of all ironmongery	No	6,00	Work Package Stage	
90.3	L shaped Kitchen Counter 04, 2980mm in length with 800mm wide Rustenburg granite counter top, colour Espresso 900mm above the ground, with cupboards underneath, with 1200 high cupboards 500mm above counter, 642mm high cupboards and open shelves 1000mm above counter, inclusive of all ironmongery	No	6,00	Work Package Stage	
90.4	Rectangular shaped Kitchen Built In Cupboard, 898mm in length with drawers with 16mm melamine panel with Max on Top HPL finish with arctic white colour finish 2770mm high	No	6,00	Work Package Stage	
90.5	Rectangular shaped Passage Cupboard in Unit 6, 1300mm in length with 16mm melamine panel with Max on Top HPL finish with arctic white colour finish 2770mm high, inclusive of all ironmongery	No	1,00	Work Package Stage	
90.6	Rectangular shaped Bedroom 2 Wardrobe 2270mm in length with drawers and open shelves, with 16mm melamine panel with Max on Top HPL finish with arctic white colour finish 2770mm high, inclusive of all ironmongery	No	6,00	Work Package Stage	
90.7	Rectangular shaped Master Bedroom Wardrobe 3600mm in length with drawers and open shelves, with 16mm melamine panel with Max on Top HPL finish with arctic white colour finish 2770mm high, inclusive of all ironmongery	No	1,00	Work Package Stage	

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
90.8	Rectangular shaped Bedroom 1 Wardrobe 2464mm in length with drawers, with 16mm melamine panel with Max on Top HPL finish with arctic white colour finish 2770mm high, inclusive of all ironmongery	No	5,00	Work Package Stage	
90.9	Rectangular shaped Bedroom 3 Wardrobe 2085mm in length with drawers, with 16mm melamine panel with Max on Top HPL finish with arctic white colour finish 2770mm high, inclusive of all ironmongery	No	1,00	Work Package Stage	
	Joinery (Cupboards)				
91	Laundry cupboards				
91.1	Robust open shelving including best humidity and resistant carcass shelves, shelves and fascia type 2040x300x2720mm high with top, sides, bottom, division and shelf, including all necessary ironmongery	No	1,00	Work Package Stage	

	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
92	Kitchen cupboards				
92.1	Robust open shelving including best humidity and resistant carcass shelves, shelves doors, hinges, handles, locks and name/number plates. Melamine facings to conceal carcass 3970x300x2720mm high with top, sides, bottom, division and shelf, including all necessary ironmongery	No	1,00	Work Package Stage	
	Restroom cupboards				
92.2	Combination cupboard, including best humidity and corrosion resistant Carcass, Shelves, Doors, Hinges, Handles, Locks and Name/Number plates. Melamine facings to conceal carcass size 3382x600x2720mm high with top, sides, bottom, division, shelf, back and double hinged doors, including all necessary ironmongery	No	1,00	Work Package Stage	
	Reception desk				
92.3	Floor L-section desk with one section 2400x920x950mm high and other section 1000x920x920 with sides, bottom, divisions, shelf, back and double hinged doors (sink elsewhere) including brush polished stainless steel kickplate (a/b), including all necessary ironmongery	No	1,00	Work Package Stage	
93	Changeroom bench				
93.1	Floor plugged hardwood timber bench 1400x380x400mm high formed of custom galvanized and painted mild steel frame below fixed to floor	No	1,00	Work Package Stage	
94	Solid core flush panel				
94.1	40mm thick commercial veneered solid core flush panel door. Finish: Prepare Prime and paint 1 undercoat and 2 coats mid-sheen enamel	No	3,00	Work Package Stage	
94.2	40mm thick commercial veneered semi-solid core flush panel door. Undercut: 120mm and reinstate door bottom edge. Finish: Prepare prime and paint 1 undercoat and 2 coats mid-sheen enamel,	No	1,00	Work Package Stage	
				Sub total (Bill No 9)	

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>BILL NO. 13</u>				
103	<u>IRONMONGERY</u>				
	<u>Hinges, bolts, etc:</u>				
103.1	75 x 100mm Brass butt hinge fixed to frame with brass screws.	No	3,00	R	-
103.2	100 x 75mm Stainless steel hinges (Union 8352-100SS) or similar approved.	No	3,00	R	-
103.3	150 x 20mm flush bolts (code AL805-150AS) or similar approved.	No	1,00	R	-
	<u>Locks:</u>				
103.4	CZ gower furniture (Union 682-24-SC) or similar approved.	No	2,00	R	-
103.5	Rebated conversion set (Union 2910) or similar approved.	No	2,00		
103.6	Profile cylinder deadlock (Union L-21315-76SS) or similar approved.	No	2,00	R	-
103.7	Three lever approved mortice lock (Union 2277-78 SC) or similar approved complete with approved chromium plated handles.	No	1,00	R	-
103.8	Four lever mortice lockset for rebating meeting stiles (Union CZ 692-24-47) or similar approved complete with approved chromium plated handles.	No	1,00	R	-
	<u>ESCUTCHEONS</u>				
	<u>"Solid" or similar approved</u>				
103.9	Escutcheon (round stainless steel).	No	69,00	R	-
	<u>Pull Handles:</u>				
103.10	Union AL-5515-200BTAS or similar approved dove pull handle.	No	2,00	R	-
	<u>"Dorma" or equal approved</u>				
103.11	Aluminium door handles. Sizes: 137mm to 143mm arm. 50-55mm diameter. 65mm – 70mm width. Any of these two shapes:	No	59,00	R	-
	<u>Door closers:</u>				
103.12	Overhead door closer Dorma TS73N or similar approved.	No	1,00	R	-
	<u>Door stops:</u>				

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
103.13	Union 8731SC or similar approved buffered door stop.	No	2,00		-
	<u>Cabin Hooks:</u>				
103.14	Union AL8723AS or similar approved cabin hook.	No	2,00		-
	Union or similar approved:				
103.15	3122-51mm Padlock	No	6,00		-
103.16	Padlock with three keys (Union 3142) or similar approved.	No	5,00		-
	CATCHES, CABIN HOOKS, ETC				
103.17	Dormakaba dust proof strike or similar approved	No	2,00		-
103.18	Dormakaba adjustable roller bolt or similar approved	No	2,00		-
103.19	Steel dormakaba wall buffer or similar approved	No	5,00		-
103.20	Dormakaba floor mounted door stop or similar approved	No	15,00		-
103.21	Dormakaba hat and coat hook with rubber buffer or similar approved	No	5,00		-
103.22	Dormakaba Cabin hook 150mm or similar approved	No	2,00		-
	<u>Push Plates:</u>				
103.23	Stainless steel pushplate 150 x 175 x 3mm cylinder cutout	No	2,00		-
	<u>Bathroom fittings etc.:</u>				
	Standard soap dispenser.				
103.24	"Franke" or an similar sabs approved product. Surface mounted lockable soap dispenser. Chrome or stainless steel or satin finish. Suitable for 1Litre to 1,5litres refills.	No	1,00		-
	Standard towel dispense.				
103.25	"Franke" or an similar sabs approved product. Surface mounted lockable paper towel dispenser with a loading capacity of an average 500 – 900 pcs. Chrome or stainless steel or satin finish.	No	1,00		-
	Standard lockable toilet paper dispenser.				
103.26	"Franke" or an similar sabs approved product. Surface mounted lockable paper toilet paper dispenser (heavy duty) with a loading capacity of an average at least two toilet paper rolls. Chrome or stainless steel or satin finish.	No	1,00		-
	Towel Rails:				

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
103.27	Franke 900 x 125mm polished stainless steel double towel rail (product code: 2120083) or any similar approved product	No	6,00		R -
103.28	Franke 203dia polished stainless steel wall mounted towel ring (product code: 2120084) or any similar approved product	No	6,00		R -
	Soap Holder:				
103.29	Franke 163 x 100mm stainless steel double arm soap rack (product code: 2120089) or any similar approved product	No	12,00		R -
	Toilet Roll Holders:				
103.30	Franke 145 x 75mm polished stainless steel toilet roll holder (product code: 2120086) or any similar approved product	No	6,00		R -
	SUNDRIES				
103.31	Stainless steel hat and coat hook with rubber buffer	No	16,00		R -
104	<u>LETTERS, NAMEPLATES, ETC.</u>				
	<u>Indicator plates countersunk holed for and screwed to door or brickwork with chromium plated dome-headed screws:</u>				
104.1	190 x 190 x 3mm Thick white perspex international FB2 sign plate with red fire extinguisher symbol plugged to brickwork.	No	1,00		R -
104.2	75 x 150mm High aluminium toilet sign with MALE and/or FEMALE figure screwed to door. FEMALE figure screwed to door.	No	1,00		R -
	<u>Clear perspex or similar approved name plate reverse engraved and enamelled in white lettering 25mm high to suit, twice countersunk holed for and tapscrewed to steel door frames or gate framing with chromium plated dome-headed selftapping screws:</u>				
104.3	3mm Thick x 32mm high plate with letters "WAGHUIS" or Words of Similar nature.	No	1,00		R -
	Sub total (Bill No 13)				