

Item	Quantity	Rate	Amount
<p><u>BILL No. 1</u></p> <p><u>EARTHWORKS</u></p> <p>NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Nature of the ground</u></p> <p>The Tenderer shall acquaint himself by personal examination of the nature of the ground. Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" and where conditions of a more difficult character are indicated these are separately measured.</p> <p>Claims for "Soft and Hard Rock" shall only be considered if it is classified and quantified as such by the Engineer.</p> <p><u>Carting away of excavated material</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or alternatively, from stock piles situated on the building site</p> <p><u>Working Space</u></p> <p>Working space shall only be measured if required. The Contractor shall notify the Quantity Surveyor before it becomes a requirement.</p>			
<p style="text-align: center;">Carried to Collection</p> <p>Bill No. 1 Earthworks STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL PROVISIONAL BILLS OF QUANTITIES</p>		R	

SITE CLEARANCE ETC

Site clearance

A	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc. to the complete site		Item
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EXCAVATION, FILLING, ETC

Excavation in earth not exceeding 2m deep

B	Trenches	m ³	9
C	Holes	m ³	10

Extra over excavations for excavations in

D	Soft Rock	m ³	2
E	Hard Rock	m ³	1

Extra over all excavations for carting away

F	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor	m ³	8
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Risk of collapse of excavations

G	Sides of trench and hole excavations not exceeding 1.5m deep	m ²	76
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Keeping excavations free of water

H	Keeping excavations free of water		Item
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Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 98% Mod AASHTO density

J	Backfilling to trenches, holes, etc	m ³	11
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Bill No. 1
 Earthworks
**STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
 PROVISIONAL BILLS OF QUANTITIES**

Prescribed density tests on filling

All DCP Tests, etc. to conform to the compaction requirements shall be included elsewhere in the tender. Only prescribed tests requested by the Engineer shall be considered.

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Bill No. 1
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**STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
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Earthworks

**STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
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Item	Quantity	Rate	Amount
<p><u>BILL No. 2</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p>NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under Clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect (Test cubes are measured separately)</p> <p><u>Formwork</u></p> <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself</p>			
<p style="text-align: center;">Carried to Collection</p> <p>Bill No. 2 Concrete, Formwork & Reinforcement STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL PROVISIONAL BILLS OF QUANTITIES</p>		R	

Formwork to soffits of solid slabs, etc shall be deemed to be to slabs not exceeding 260mm thick unless otherwise described

Formwork has not been measured to the sides of reinforced concrete in foundations and will ONLY be remeasured according to actual usage. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"

Finishing tops with a wood float of slabs, surface beds, beams, etc , other than a prescribed finish, shall be included with the rates of concrete.

REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES

25MPa/19mm concrete

A	Strip footings	m ³	3
B	Bases	m ³	2

REINFORCED CONCRETE

25MPa/13mm concrete

C	Filling to cavity of hollow walls	m ³	1
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30MPa/19mm concrete

D	Slabs including beams and inverted beams	m ³	21
E	Circular columns in foundations	m ³	1

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Bill No. 2
 Concrete, Formwork & Reinforcement
**STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
 PROVISIONAL BILLS OF QUANTITIES**

<u>TEST BLOCKS</u>					
A	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	6		
<u>FORMWORK</u>					
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>					
<u>Rough formwork to sides</u>					
B	Beams	m ²	17		
C	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	11		
<u>Rough formwork to soffits</u>					
D	Slabs	m ²	64		
E	Beams	m ²	7		
F	Beams with sloping soffits propped up not exceeding 1.5m high	m ²	2		
G	Slabs with sloping soffits propped up not exceeding 1.5m high	m ²	9		
<u>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</u>					
<u>Smooth formwork to sides</u>					
H	Beams	m ²	20		
J	Inverted beams above concrete circular not exceeding 1m radius	m ²	1		
K	Circular columns	m	18		
L	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	139		
Carried to Collection					
				R	
Bill No. 2 Concrete, Formwork & Reinforcement STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL PROVISIONAL BILLS OF QUANTITIES					

A	Circular edges, risers, ends and reveals not exceeding 1m radius	m	11
<u>Smooth formwork to soffits</u>			
B	Slabs	m ²	75
C	Slabs with sloping soffits propped up exceeding 1.5m high and not exceeding 3m high	m ²	31
<u>Boxing in smooth formwork to form</u>			
D	15mm Chamfer along top and bottom edge	m	91
E	15mm Chamfer along top and bottom edge circular not exceeding 1m radius	m	7
F	15 x 15mm Recess in soffit to form drip	m	99
<u>MOVEMENT JOINTS, ETC</u>			
<u>Expansion joints with "Jointex" polyethylene between horizontal concrete and brick surfaces</u>			
G	6mm Joints not exceeding 300mm high	m	25
<u>REINFORCEMENT</u>			
<u>High tensile & Mild steel reinforcement to structural concrete work</u>			
H	In various Diameter bars	t	5.02

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Bill No. 2
 Concrete, Formwork & Reinforcement
STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
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Concrete, Formwork & Reinforcement

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Bill No. 2

Concrete, Formwork & Reinforcement

**STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
PROVISIONAL BILLS OF QUANTITIES**

Item	Quantity	Rate	Amount
<p><u>BILL No. 3</u></p> <p><u>MASONRY</u></p> <p>NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>BRICKWORK</u></p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><u>Hollow walls, etc</u></p> <p>Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole</p> <p><u>Samples</u></p> <p>Samples of all masonry building units, except those for walls described as "load bearing", shall consist of a minimum of six units. Samples of building units to be used in walls described as "load bearing" shall consist of thirty units from every thirty thousand units delivered to site</p>			
<p style="text-align: center;">Carried to Collection</p> <p>Bill No. 3 Masonry STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL PROVISIONAL BILLS OF QUANTITIES</p>		R	

FOUNDATIONS

Brickwork "NFX" burnt clay bricks (14 MPa nominal compressive strength) in Class II mortar

A	280mm Hollow wall formed of two half brick skins including wire ties in foundations	m ²	9
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SUPERSTRUCTURE

Brickwork of NFP bricks in class II mortar

B	Half brick walls	m ²	39
C	One brick walls	m ²	26
D	280mm Hollow wall formed of two half brick skins including wire ties	m ²	5
E	330mm Hollow wall formed of two half brick skins including wire ties	m ²	92
F	330mm Hollow wall formed of two half brick skins including wire ties circular on plan	m ²	8
G	440mm Hollow wall formed of two half brick skins including wire ties	m ²	2

BRICKWORK SUNDRIES

H	Splayed mortar fillet one course high in 60mm cavity	m	22
J	Closing 60mm cavity of hollow wall vertically with brickwork half brick wide	m	43
K	Closing 60mm cavity of hollow wall horizontally with one course of brickwork	m	29

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Bill No. 3
Masonry
**STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
PROVISIONAL BILLS OF QUANTITIES**

<u>Expansion joints with "2 layers of Everite Flexit nutec" board between horizontal concrete and brick surfaces</u>		
A	Closing 60mm cavity of hollow wall horizontally	m 40
<u>Brickwork reinforcement</u>		
B	75mm Wide reinforcement built in horizontally	m 594
C	150mm Wide reinforcement built in horizontally	m 516
<u>"Stresso" pre-stressed fabricated lintels</u>		
D	90 x 75mm Lintels in lengths not exceeding 3m	m 37
E	150 x 75mm Lintels in lengths not exceeding 3m	m 25
<u>Galvanised hoop iron cramps, ties, etc</u>		
F	30 x 1.6mm Cramp 500mm long with one end fixed to wooden door frames and other end built into brickwork	No 105

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Bill No. 3
Masonry
**STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
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Bill No. 3

Masonry

**STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
PROVISIONAL BILLS OF QUANTITIES**

Item	Quantity	Rate	Amount
<u>BILL No. 4</u>			
<u>WATERPROOFING</u>			
NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Waterproofing</u>			
Waterproofing of roofs, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets, etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs			
<u>DAMPPROOFING OF WALLS AND FLOORS</u>			
<u>One layer of 375 micron "Brikgrip DPC (SABS)" embossed damp proof course well lapped at joints and intersections bedded and joined in cement mortar.</u>			
A	In walls	m ²	14
Carried to Collection			R
Bill No. 4 Waterproofing STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL PROVISIONAL BILLS OF QUANTITIES			

WATERPROOFING OF WALLS AND FLOORS

'Cemflex' or equal and approved slurry and fabric

A	On shower floors and walls	m ²	29
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WATERPROOFING TO ROOFS, BASEMENTS, ETC

4mm "Derbigum SP4", or similar and approved, fully bonded waterproofing system strictly according to manufacturer's instructions

B	On roofs	m ²	105
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C	On tops and sides of inverted beams	m ²	16
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D	Additional membrane 350mm girth at turn-ups including flashing strip 350mm girth and sealing top edge into groove with mastic	m	11
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E	Additional membrane 400mm girth at internal and external angles	m	11
---	---	---	----

F	Additional membrane at outlet	No	10
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PROTECTIVE STONE DRESSING

Clean Topsoil dressing evenly spread with large stones around outlets

G	150mm Thick on waterproofing to flat roofs	m ²	105
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PROTECTIVE ROOFING PAINT

Two coats "Silvakote" bituminous aluminium paint

H	On roofs	m ²	63
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Isover rigid hydroboard foam insulation

J	50mm boards laid loose on roofs	m ²	27
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Bill No. 4
Waterproofing
**STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
PROVISIONAL BILLS OF QUANTITIES**

	<u>"Bidum" or similar and approved geo-textile</u>			
A	On Floors, walls, etc	m ²	105	
	<u>"Darken" or similar and approved polypropylene dimpled membrane</u>			
B	On Floor, walls, etc	m ²	105	
	<u>JOINT SEALANTS, ETC</u>			
	<u>"Thioflex" two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc</u>			
C	6 x 20mm In expansion joints in floors	m	25	
D	10 x 10mm In expansion joints between walls and beams	m	95	
	<u>Anti-fungicidal silicone sealing compound including backing cord, bond breaker, primer, etc</u>			
E	In joints between sanitary fittings and walls	m	39	
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Bill No. 4
Waterproofing
STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
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Waterproofing

**STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
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Item	Quantity	Rate	Amount
<p><u>BILL No. 5</u></p> <p><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></p> <p>NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Descriptions</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted" the bolts have been given elsewhere</p> <p><u>Bulkheads</u></p> <p>Bulkheads are those areas of the ceiling which are at a level differing from the general ceiling in a particular room or area and which generally occur along the perimeter of the room or area. Their purpose is either to conceal services or to create an architectural feature by changing levels.</p> <p><u>Light Fittings</u></p> <p>Creating openings for Downlighters or Recessed light fittings shall be included with the cost of the Electrical installation and is NOT measured under the Ceilings, Partitions and Access flooring trade.</p>			
<p>Carried to Collection</p>		R	
<p>Bill No. 5 Ceilings, Partitions and Access Flooring STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL PROVISIONAL BILLS OF QUANTITIES</p>			

NAILED UP CEILINGS

9.5 mm 'RhinoBoard' gypsum plastered ceiling fixed print side up with 32mm galvanized clout nails at 150mm centres with 48mm wide strips of 'Fibatape' fixed over joints and the whole finished with minimum 6mm thick coat of 'Rhinolite' or 'Crestone' gypsum skim plaster trowelled to a smooth polished surface, all in strict accordance with the manufacturer's instructions

A	Gypsum skimmed ceiling fixed to concrete soffit	m ²	12
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'DonnCeil', or similar and approved perimeter trim cornices

B	19 x 19 x 25mm Powder coated aluminium shadow line cornice	m	119
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Carried to Collection

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Bill No. 5
 Ceilings, Partitions and Access Flooring
**STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
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Bill No. 5

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Bill No. 5

Ceilings, Partitions and Access Flooring

**STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
PROVISIONAL BILLS OF QUANTITIES**

Item		Quantity	Rate	Amount
<u>BILL No. 6</u>				
<u>PLASTERING</u>				
NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill				
The contractor shall prepare samples of all plastering for the approval of the Principal agent at cost to the contractor				
<u>SCREEDS</u>				
<u>Screeds on concrete</u>				
A	30mm Thick on floors and landings	m ²	4	
B	Average 60mm thick on floors to falls and currents	m ²	105	
<u>INTERNAL PLASTER</u>				
<u>Cement plaster on brickwork</u>				
C	On walls	m ²	217	
D	On narrow widths	m ²	19	
Carried to Collection				R
Bill No. 6 Plastering STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL PROVISIONAL BILLS OF QUANTITIES				

EXTERNAL PLASTER

Cement plaster on concrete

A	On projecting and isolated columns and beams	m ²	26
B	On circular columns	m ²	17

Cement plaster on Brickwork

C	On walls	m ²	130
D	On narrow widths	m ²	11

PRECAST CONCRETE

'Modcon' Concrete Solutions precast concrete

E	Window sill (Type 008) overall size 175 x 95mm high built into windows	m	13
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Carried to Collection

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Bill No. 6
Plastering

**STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
PROVISIONAL BILLS OF QUANTITIES**

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Bill No. 6

Plastering

**STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
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Item	Quantity	Rate	Amount
<u>BILL No. 7</u>			
<u>TILING</u>			
NOTE: Tenderers are advised to study the model preambles for trades before pricing this bill			
<u>WALL TILING</u>			
<u>500 X 500mm Ceramic tiles (PC R350.00/m², delivered to site, excluding VAT) fixed with adhesive to plaster (plaster elsewhere measured) and flush pointed with waterproof jointing compound</u>			
A	On Walls	m ²	115
<u>FLOOR TILING</u>			
<u>600 x 900mm Ceramic tiles (PC Amount of R350/m² delivered to site excluding VAT) fixed with adhesive to screed (screed elsewhere) and flush pointed with tinted waterproof jointing compound</u>			
B	On Floors & Landings	m ²	4
<u>BUDGETARY ALLOWANCES</u>			
C	Allow the budgetary allowance of R3,000 for Coping Tile, mitres, etc. complete		
Item			
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Bill No. 7 Tiling STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL PROVISIONAL BILLS OF QUANTITIES			

Item	Quantity	Rate	Amount
<p><u>BILL No. 8</u></p> <p><u>PLUMBING AND DRAINAGE</u></p> <p>NOTE: Tenderers are advised to study the model preambles for trades before pricing this bill</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Copper pipes</u></p> <ul style="list-style-type: none"> - All copper pipes shall not be less than 22mm in diameter. - All hot water piping to have appropriate lagging <p><u>Fixing of pipes</u></p> <p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level</p> <p><u>Excavations</u></p> <p>No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling "Soft rock" and "hard rock" shall be as defined in "Earthworks"</p> <p><u>Laying, backfilling, bedding, etc of pipes</u></p> <p>Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions</p>			
<p>Carried to Collection</p>		R	
<p>Bill No. 8 Plumbing and Drainage STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL PROVISIONAL BILLS OF QUANTITIES</p>			

Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following:

SABS 1200 L : Medium-pressure pipelines

LD : Sewers

LE : Stormwater drainage

Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB :

Earthworks (Pipe trenches)

Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes).

Unless otherwise described bedding of rigid pipes shall be class B bedding

Carried to Collection

Bill No. 8

Plumbing and Drainage

**STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
PROVISIONAL BILLS OF QUANTITIES**

R

STORMWATER DRAINAGE

Precast concrete channels

A	Precast concrete stormwater channel W4 size 480 x 140mm	m	50
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uPVC Class 34 pipes

B	110mm Pipes laid in and including trenches not exceeding 1m deep	m	71
---	--	---	----

Extra over uPVC class 34 pipes for fittings

C	110mm 45 Deg. Bend	No	15
D	110mm Junction	No	15
E	110mm Stop ends	No	8

Sumps, catchpits inspection chambers, etc. (gratings and covers elsewhere) as per engineers drawing

F	Catchpit size 500 x 500 x 500mm deep internally of brickwork, concrete and plaster	No	3
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Gratings, covers, etc

G	500 x 500mm Cast Iron catchpit slotted cover and frame	No	3
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Sundries, etc

H	Cutting into existing municipal manhole for and connecting 300mm diameter pipes including inserting 300mm channel junction and making good, concrete benching, etc	No	1
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J	Testing stormwater drainage system		Item
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SOIL DRAINAGE

Carried to Collection

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Bill No. 8
 Plumbing and Drainage
**STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
 PROVISIONAL BILLS OF QUANTITIES**

<u>uPVC Class 51 pipes</u>				
A	110mm Pipes laid in and including trenches not exceeding 1m deep	m	11	
B	110mm Pipes laid in and including trenches exceeding 1m not exceeding 2m deep	m	15	
C	110mm Pipes vertically or ramped to cleaning eyes, etc (no excavation)	m	11	
<u>Extra over uPVC class 51 pipes for fittings</u>				
D	110mm 45 Deg. Bend	No	9	
E	110mm Junction	No	11	
F	110mm Stop ends	No	2	
G	110mm Rodding eye	No	3	
<u>Sundries</u>				
H	Cutting into existing municipal manhole for and connecting 110mm diameter pipes including inserting 110mm channel junction and making good concrete benching	No	1	
J	Testing soil drainage system		Item	
<u>WATER SUPPLIES</u>				
<u>High Density Polyethylene</u>				
K	22mm Pipes laid in trenches not exceeding 1m deep	m	15	
<u>Extra over high density polyethylene pipes for fittings</u>				
L	22mm Bends	No	4	
Carried to Collection				R
Bill No. 8 Plumbing and Drainage STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL PROVISIONAL BILLS OF QUANTITIES				

A	22mm Junction	No	8
B	22mm Reducer	No	6
<u>Sundries</u>			
C	Testing water system		Item
D	Locating and cutting into existing municipal water main and connecting 100mm diameter pipes including inserting 100mm junction and making good	No	1
<u>RAINWATER DISPOSAL</u>			
<u>"Fulbore" cast iron outlets</u>			
E	110mm 90 degree side outlet fulbore type FB 8 P1 with domed grating	No	10
<u>uPVC Pipes</u>			
F	110mm uPvc downpipes cast in concrete or fixed to brickwork	m	30
G	Extra over 75mm uPvc downpipes for bend	No	42
H	Extra over 110 x 75mm Reducer	No	38
<u>Stainless Steel chains</u>			
J	30 x 15 x 4mm Stainless steel chain fixed to uPvc downpipes, concrete channels, etc.	m	40

SANITARY PLUMBING INSTALLATION

Carried to Collection

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Bill No. 8
 Plumbing and Drainage
**STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
 PROVISIONAL BILLS OF QUANTITIES**

Design Responsibility

The contractor shall be responsible for the design of the internal plumbing reticulation. The contractor will submit shop drawings for approval to the Principal Agent for approval by the architect within two weeks after the date of tender closing. Appointment of the successful tenderer will be subject to approval of the internal plumbing reticulation design. The contractor shall commence manufacturing only after written approval of shop drawings from the architect.

The following is to be taken into consideration in the design and subsequent pricing of the internal plumbing reticulation:

Stormwater drainage, soil drainage, water supplies, electrical ducting and Rainwater disposal

These items are provisionally measured above. the Tenderer shall design, supply and install the internal plumbing reticulation to the house and connect to the above items

Sanitary Specification

Sanitary fittings is allocated as a Prime Cost Amount, the tenderer is to allow for the installation thereof, connection thereto, etc. complete for as per the Architect drawings and schedules.

Taking the above mentioned specification into consideration the contractor is to design, supply and install the complete internal plumbing installation including safety valves, stopcocks, etc and connecting to the external plumbing reticulation system (Detailed breakdown required prior to signing of contract)

A Internal plumbing installation complete

Item

Carried to Collection

R

Bill No. 8
 Plumbing and Drainage
**STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
 PROVISIONAL BILLS OF QUANTITIES**

PRIME COST AMOUNTS

A Allow the Prime Cost Amount of R86 000.00 (Eighty Six Thousand) for Sanitaryware. Fitment, profit, attendance, etc to be included with the plumbing installation.

FIRE PROTECTION

Fire Protection Design Responsibility

The contractor shall be responsible for the detail design of the internal fire protection reticulation. The contractor will submit shop drawings for approval to the Principal Agent for approval by the architect within two weeks after the date of tender closing. Appointment of the successful tenderer will be subject to approval of the internal plumbing reticulation design. The contractor shall commence manufacturing only after written approval of shop drawings from the architect.

Taking the above mentioned specification into consideration the contractor is to design, supply and install the complete internal fire protection reticulation and connecting to the external plumbing reticulation system (Detailed breakdown required prior to signing of contract) - All as per Drawing 20190302-M500

B Fire Protection reticulation

C Fire Hose Reels

D Fire Extinguishers

E Fire Signage

Item

Item

No

1

No

3

Item

Carried to Collection

R

Bill No. 8
 Plumbing and Drainage
**STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
 PROVISIONAL BILLS OF QUANTITIES**

Section No. 1

Bill No. 8

Plumbing and Drainage

COLLECTION

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Bill No. 8

Plumbing and Drainage

**STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
PROVISIONAL BILLS OF QUANTITIES**

Item	Quantity	Rate	Amount
<p><u>BILL No. 9</u></p> <p><u>ELECTRICAL WORK</u></p> <p><u>NOTE:</u> Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p>			
<p><u>ELECTRICAL INSTALLATION</u></p> <p><u>The Specification</u></p> <p>The Tenderer shall price for "Crabtree Classic" for all light switches, plugs, fittings, coverplates, etc all as per the Architect's Electrical layout</p> <p><u>Design Responsibility</u></p> <p>The contractor shall be responsible for the design of the electrical reticulation. The contractor shall commence manufacturing only after written approval of shop drawings from the principal agent</p> <p>Electrical installation shall include all electrical installations as indicated on the Electrical layouts. Including, all necessary switches, cover plates, stove connections, telephone points, data line points, underfloor heating points, television points with necessary connectors and draw cable, doorbell, distribution boards to the individual unit as well as the required oostersee boxes to each building for all the electrical and Telkom requirements, wiring, conduiting, plugs, light fittings, etc. all according to the architects drawings and specifications including certification by an independent registered professional electrical engineer (A detailed priced breakdown of work to be done will be required prior to signing of the contract)</p>			
<p>Carried to Collection</p>		R	
<p>Bill No. 9 Electrical Work STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL PROVISIONAL BILLS OF QUANTITIES</p>			

A Design, supply and install the complete electrical installation complete as per drawing - **104**

Item

PRIME COST AMOUNTS

B Allow the Prime cost amount of R26 000.00 (Twenty Six Thousand) for Light fittings. Fitment, profit, attendance, etc. to be included with Electrical work

Item

Carried to Collection

R

Bill No. 9
 Electrical Work
**STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
 PROVISIONAL BILLS OF QUANTITIES**

Section No. 1

Bill No. 9

Electrical Work

COLLECTION

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Bill No. 9

Electrical Work

**STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
PROVISIONAL BILLS OF QUANTITIES**

Item	Quantity	Rate	Amount
<u>BILL No. 10</u>			
<u>PAINTWORK</u>			
NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill			
<u>SUPPLEMENTARY PREAMBLES</u>			
Samples shall be required to be painted on walls in various locations for the approval of the Architect / Principal Agent. The cost thereof shall be included with the rates for paintwork.			
<u>ON FLOATED PLASTER</u>			
<u>One coat alkali resistant primer and two coats 'Dulux Wallguard' or similar and approved paint on external surfaces</u>			
A	On external ceilings and beams	m ²	26
B	On external circular columns	m ²	17
<u>'Coprox' masonry waterproof paint render as per manufacturer's instructions</u>			
C	On external walls	m ²	145
<u>One coat alkali resistant primer and two coats 'Dulux Luxurious Silk' or similar and approved paint for interior use</u>			
D	On internal walls	m ²	108
<u>ON SKIMMED RHINOBOARD</u>			
Carried to Collection			R
Bill No. 10 Paintwork STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL PROVISIONAL BILLS OF QUANTITIES			

<p><u>One coat primer and two coats ' Dulux Luxurious Silk' or similar and approved paint for interior and exterior use</u></p>				
A	On ceilings and cornices	m ²	12	
<p><u>ON WOOD</u></p>				
<p><u>Two coats wood primer</u></p>				
B	On backs of frames, linings, etc not exceeding 300mm wide	m	54	
<p><u>One coat wood primer one coat universal undercoat and two coats ' Dulux Luxurious Silk' or similar and approved paint for interior use</u></p>				
C	On door frames, etc	m ²	14	
D	On doors	m ²	48	
E	On skirtings, rails, etc not exceeding 300mm girth	m	105	
<p>Carried to Collection</p>				R
<p>Bill No. 10 Paintwork STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL PROVISIONAL BILLS OF QUANTITIES</p>				

Section No. 1

Bill No. 10

Paintwork

COLLECTION

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Bill No. 10

Paintwork

**STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
PROVISIONAL BILLS OF QUANTITIES**

Item	Quantity	Rate	Amount
<u>BILL No. 11</u>			
<u>PROVISIONAL AMOUNTS</u>			
NOTE: The following Provisional Amounts are for work to be carried out by selected sub-contractors in terms of Clause 21 of the Principal Building Agreement			
NOTE: Tenderers are referred to the definition of general attendance on nominated or selected sub-contractors given in Clause 8 of the preliminaries			
NOTE: All Provisional and Prime Cost Amounts are NET i.e: there is no cash discount			
<u>ALUMINIUM DOORS & WINDOWS</u>			
A	Item		
Allow the provisional amount of R58 000.00 (Fifty Eight Thousand) NET for Aluminium Doors & Windows to be installed by a nominated / selected sub-contractor			
B		%	
Add for profit			
C		%	
Allow for general attendance on sub-contractor			
<u>BALUSTRADES & HANDRAILS</u>			
D	Item		
Allow the provisional amount of R55 000.00 (Fifty Five Thousand) NET for Balustrades & Handrails to be installed by a nominated / selected sub-contractor			
E		%	
Add for profit			
F		%	
Allow for general attendance on sub-contractor			
Carried to Collection			R
Bill No. 11 Provisional Amounts STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL PROVISIONAL BILLS OF QUANTITIES			

CARPENTRY & JOINERY

- A Allow the provisional amount of R108 000.00 (One Hundred and Eight Thousand) NET for Carpentry & Joinery to be installed by a nominated / selected sub-contractor
- B Add for profit
- C Add for general attendance on sub-contractor

HOT WATER SYSTEM

- D Allow the provisional amount of R32 000.00 (Thirty Two Thousand) NET for Hot Water System to be installed by a nominated / selected sub-contractor
- E Add for profit
- F Add for general attendance on sub-contractor

JOINERY FITTINGS

- G Allow the provisional amount of R119 000.00 (One Hundred and Nineteen Thousand) NET for Joinery fittings to be installed by a nominated / selected sub-contractor
- H Add for profit
- J Add for general attendance on sub-contractor

PAVING

- K Allow the provisional amount of R30 000.00 (Thirty Thousand) NET for Paving to be installed by a nominated / selected sub-contractor
- L Add for profit

Carried to Collection

Bill No. 11
Provisional Amounts

**STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
PROVISIONAL BILLS OF QUANTITIES**

Item

%

%

Item

%

%

Item

%

%

Item

%

R

A	Add for general attendance on sub-contractor		%	
	<u>PERGOLAS</u>			
B	Allow the provisional amount of R84 000.00 (Eighty Four Thousand) NET for Pergolas to be installed by a nominated / selected sub-contractor	Item		
C	Add for profit		%	
D	Add for general attendance on sub-contractor		%	
	<u>POLISHED CONCRETE FLOORS</u>			
E	Allow the provisional amount of R79 000.00 (Seventy Nine Thousand) NET for Polished Concrete Floors to be installed by a nominated / selected sub-contractor	Item		
F	Add for profit		%	
G	Add for general attendance on sub-contractor		%	
	<u>SHOWER SCREENS</u>			
H	Allow the provisional amount of R24 000.00 (Twenty Four Thousand) NET for Shower Screens to be installed by a nominated / selected sub-contractor	Item		
J	Add for profit		%	
K	Add for general attendance on sub-contractor		%	
	<u>TIMBER DECKS</u>			
L	Allow the provisional amount of R64 000.00 Sixty Four Thousand NET for Timber Decks to be installed by a nominated / selected sub-contractor	Item		
M	Add for profit		%	
	Carried to Collection		R	
	Bill No. 11 Provisional Amounts STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL PROVISIONAL BILLS OF QUANTITIES			

A	Add for general attendance on sub-contractor		%	
<u>TIMBER SCREENS</u>				
B	Allow the provisional amount of R25 000.00 Twenty Five Thousand NET for Timber Screens to be installed by a nominated / selected sub-contractor	Item		
C	Add for profit		%	
D	Add for general attendance on sub-contractor		%	
Carried to Collection				
Bill No. 11 Provisional Amounts				
STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL PROVISIONAL BILLS OF QUANTITIES				
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Section No. 1

Bill No. 11

Provisional Amounts

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Bill No. 11

Provisional Amounts

**STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL
PROVISIONAL BILLS OF QUANTITIES**

Bill	SECTION SUMMARY - Section : Builders work	Page	Amount
1	Earthworks	4	
2	Concrete, Formwork & Reinforcement	9	
3	Masonry	13	
4	Waterproofing	17	
5	Ceilings, Partitions and Access Flooring	20	
6	Plastering	23	
7	Tiling	24	
8	Plumbing and Drainage	32	
9	Electrical Work	35	
10	Paintwork	38	
11	Provisional Amounts	43	
	SUB-TOTAL (EXCLUDING VAT) CARRIED FORWARD		R
	ADD : VALUE ADDED TAX (15%)		R
	TOTAL (INCLUDING VAT)		R
			R
	STAFF ABLUTIONS, AFRIKAANSE TAALMONUMENT, PAARL PROVISIONAL BILLS OF QUANTITIES		