FETAKGOMO TUBATSE LOCAL MUNICIPALITY

CONTRACT NO **FTM/T06/24/25**

FOR

APPOINTMENT OF A CONTRACTOR FOR THE UPGRADING OF THE MUNICIPAL PARKING AREA IN BURGERSPORT

SUMMARY OF SCHEDULE OF QUANTITIES

:	PRELIMINARY AND GENERAL	R
:	CIVILS WORKS	R
:	GUARDHOUSE	R

TOTAL OF SCHEDULE OF QUANTITIES CARRIED TO CALCULATION OF TENDER SUM	R

CALCULATION OF TENDER SUM

TOTAL OF SCHEDULE OF QUANTITIES	R
CONTINGENCIES The tenderer shall add 10% of the total of Schedule of Quantities for Contingencies and this Sum shall be under the sole control of the Engineer and may be deducted in whole or in part	R
SUBTOTAL 1	R
DESIGN FEES The tenderer shall add 10% of the Subtotal 1 for Design Fees, 70% is claiamable on the first Claim.	R
SUBTOTAL 2	R
VAT The tenderer shall add 15% of the Subtotal 2 for value-added tax	R
TENDER SUM CARRIED TO FORM OF TENDER	R

Signature of person authorised to sign bid documents

Name in block letters

Designation **Date**

CLIENT : **FETAKGOMO TUBATSE LOCAL MUNICIPALITY**

DEPARTMENT : **ENGINEERING SERVICES**

CONTRACT NO **FTM/T06/24/25**

FOR

PPOINTMENT OF A CONTRACTOR FOR THE UPGRADING OF THE MUNICIPAL PARKING AREA IN BURGERSFOR

Preliminary and General

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SABS 1200 A/AB	**SECTION A : PRELIMINARY AND GENERAL AND DAY WORKS**				
	8.3	**FIXED CHARGE ITEMS**				
1	8.3.1	All contractual requirements (guarantee,insurances etc...as specified in Contract Data and SABS 8.3.)	sum	1		
2		a) One Furnished office	sum	1		
3		b) Two Nameboards	sum	1		
4	C3.4.2.2	c)Provide survey equipment for the use of the Engineer	sum	1		
	8.3.2.2	**Facility for the Contractor**				
5		a) Offices and storage sheds	sum	1		
6		b) Workshop	sum	1		
7		c)Laboratory	sum	1		
8		d) Ablution and toilet facilities	sum	1		
9		e)Tools and equipment	sum	1		
10		f) Services	sum	1		
11		g)dealing with water	sum	1		
12		h) access	sum	1		
	8.3.3	Other fixed charge obligation. (Specify own)				
13		_____	sum	1		
	Carried Forward					

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		Brought Forward				
14	PSOHSA5.8.2.1	Provision of a Safety Plan in terms of OHS Act and Safety Regulations	sum	1		
15		Provision of an Environmental Management Plan	sum	1		
16	8.3.4	Removal of site establishment	sum	1		
	8.4	**TIME RELATED ITEMS**				
17	8.4.1	All contractual requirements (guarantee,insurances etc...as specified in Contract Data and SABS 8.4 and 8.5)	sum	1		
	8.4.2	Operation and maintenance of facilities on site				
	8.4.2.1	**Facility for the Engineer**				
18		a) 1 Furnished office	months	12		
19		b) Two Namebords	months	12		
20	C3.4.2.2	c)Maintain survey equipment for the use of the Engineer	months	12		
21		d) Survey assistants and materials	months	12		
	8.4.2.2	**Facility for the Contractor**				
22		a) Offices and storage sheds	months	12		
23		b) Workshop	months	12		
24		c)Laboratory	months	12		
25		d) Ablution and toilet facilities	months	12		
26		e)Tools and equipment	months	12		
27		f)Water supply,electric power and communication	months	12		
28		g)dealing with water	months	12		
29		h) Access road to site camp	months	12		
30	8.4.3	Supervision for the duration of the Contract	months	12		
	Carried Forward					

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		Brought Forward				
31	8.4.4	Company and Head Office Overheads Costs for the duration of the Contract	months	12		
32	8.4.5	Other time related obligations (Specify own) _____	Sum	1		
33	PSA8.9 5.8.2.2	Compliance with approved Safety Plan and Occupational Health and Safety Act and Construction Regulations.	sum	1		
34	PSA8.11 C3.7	Compliance with Environmental Management Plan	sum	1		
		PROVISIONAL SUMS				
35	8.5 b (1)	Exposing, relocation and/or permanent protection of existing services by Authorities	Prov. Sum	1	335000.00	335,000.00
36	8.5.b (2)	Percentage charges and profit on Item	%	335000.00		
37		Establishing of benchmarks by a Registered Surveyor	Prov. Sum	1	15000.00	15,000.00
38		Percentage charges and profit on Item	%	15000.00		
	8.8	T**EMPORARY WORKS**				
39	8.8.1	Main access road to Works	sum	1		
40	8.8.2	Dealing and accommodation of traffic	sum	1		
41	8.8.3	Protection of structures	sum	1		
	8.8.4	Existing Services				
42	PSD8.3.8	Detection, exposure and protection of services by hand excavation	m^3	75		
43	8.8.6	Special Water Control	sum	1		
	PDSA 8.6	**PRIME COST SUMS**				
44	C3.4.2.5 (i)	Community liaison officer	months	12	R 8,500.00	102,000.00
45		Cellphone for Liaison Officer	months	12	R 500.00	6,000.00
46		Percentage mark -up over items	%	108000.00		
	Carried Forward					

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		Brought Forward				
		Formal training				
47		Training by CETA accredited Service Provider	Prov. Sum	1	R 155,000.00	155,000.00
48		Percentage charges and profit on item	%	155000.00		
49		Engineer's telephone calls	PC Sum	1	R 15,000.00	15,000.00
50		Percentage mark -up over item	%	15000.00		
51		Accommodation of Resident Engineer	Prov. Sum	1	72000.00	72,000.00
52		Percentage charges and profit on Item	%	72000.00		
	Carried Forward					

Dayworks						
Item	PAYMENT REFERS TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		Brought Forward				
	8.7	**DAYWORKS**				
		Labour				
53		Working foreman	hour	45		
54		Skilled	hour	45		
55		Unskilled	hour	375		
		Materials				
56		Net cost of materials actually used for the Works	p.c sum	1	85000	85,000.00
57		Mark up over net cost of materials used ,to cover all charges,profit,hand tools,superintendance etc.	.....%	85000		
		Plant **All rates to include fuel,operator,driver as applicable**				
58		Excavator	hour	15		
59		Loader (416 or simillar)	hour	15		
60		Water bowser	hour	15		
61		Hand operated compactor/wacker	hour	60		
62		Air compressor 7 m3/min including fuel,hoses, 2,jack hammers/breakers, bits, operator.	hour	15		
63		5 Ton Truck/tipper truck	hour	45		
64		10 Ton Truck/Tipper truck	hour	10		
65		LDV	hour	40		
66		50 mm Water pump complete with hoses.	day	25		
67		75 mm water pump complete with hoses	day	25		
	TOTAL SECTION 1200 A CARRIED TO SUMMARY					

CIVILS WORKS

Item	Payment Ref	Description	Unit	Quantities	Bills of Quantities	
					Rate	Amount
		EARTHWORKS				
	SABS 1200 C	**SITE CLEARANCE**				
		Clear and grub.				
		Clear and Strip site				
1	8.3.2(a)	Clear and grub the full site	m^2	6080		
2		Remove existing paving blocks and stockpile for re-use	m^2	1361		
3		Remove existing fence to spoil	m	540		
	1200 DM	**MASS EARTHWORKS**				
4		Preparation and stripping of topsoil to a maximum of 150mm for the boxing out and removal from site to spoil	m^3	915		
5		Bed preparation and compaction to 90% Mod AASHTO density	m^3	915		
		Extra over items for :				
6		Hard rock excavation.	m^3	730		
7		Boulder excavation Class A	m^3	255		
		Cut to spoil				
8		In-situ material to a depth of 150mm. Material to be dumped offsite to a location identified by the Contractor	m^3	780		
		Cut to fill				
9		Cut to fill material, and the material to be compacted in 150mm thick layers compacted to 90% Mod AASHTO density	m^3	1570		
		Borrow to fill				
10		G6 material from a commercial source identified by the Contractor, material to be compacted in 150mm thick layers to 90% Mod AASHTO density under surface beds	m^3	3250		
		EXISTING SERVICES				
11		Excavation and backfill in roadways	m^3	5		
12		Extra-over items for stabilization with cement	m^3	5		
13		Selected layer G6 quality material from Commercial source compacted in 150mm layers to 90% Mod AASHTO density	m^3	915		

Item	Payment Ref	Description	Unit	Quantities	Bills of Quantities	
					Rate	Amount
	SABS 1200 ME	**SUBBASE** Construct the sub-base course/shoulders/gravel wearing course with G5 materials from commercial sources				
14		150 mm G5 Layer, compacted to 93% MOD AASHTO	m^3	915		
	SABS 1200MF	**BASE**				
15		Construct 150 mm subbase course with G5 material stabilized to C4 material from commercial source compacted to 95% Mod AASHTO density	m^3	915		
16		Rip, stabilize and compact existing base to 95% Mod AASHTO density	m^3	180		
17		Process subbase material by stabilising	m^3	915		
		Stabilizing agent:				
18		Ordinary Portland Cement	t	64		
19		Construct 80mm concrete paving on 25mm sand bedding using paving blocks from stockpile. The rate to include supply of river sand and use of paving blocks from stockpile and installation thereof	m^2	1361		
20		Construct 80mm concrete paving on 25mm sand bedding. The rate to include supply of paving blocks, river sand and paving blocks and installation thereof	m^2	5805		
21		Supply and spread Weedkiller	m^2	7166		
	SABS 1200 MM	**PARKING MARKINGS -**				
		Retro-reflective road marking paint				
		Longitudinal lines				
22		100 mm wide broken or unbroken lines; white, yellow or red	m	730		
23		300 mm wide broken or unbroken lines; white, yellow or red	m	35		
		Transverse lines and other markings				
24		Broken or unbroken lines ; white or yellow	m^2	15		
25		Lettering and symbols, white or yellow, markings	m^2	20		
	SABS 1200 MJ	**WALKWAYS**				
26		Rip and compact 150mm thick insitu material, and compact to 90% Mod AASHTO density	m^3	32		

Item	Payment Ref	Description	Unit	Quantities	Bills of Quantities	
					Rate	Amount
27		Construct 150 mm subbase course with G5 material from commercial source stabilised to C4 quality material compacted to 93 % Mod AASHTO density	m^3	32		
28		Process subbase material by stabilising	m^3	32		
		Stabilizing agent:				
29		Ordinary Portland Cement	t	1		
30		Construct 60mm concrete paving on 25mm sand bedding and pvc sheeting. The rate to include supply of river sand and paving blocks and installation thereof	m^2	205		
		Supply and spread Weedkiller	m^2	205		
	SABS 1200 MK	**KERBING AND CHANNELLING**				
		Concrete Kerbing				
		25MPa Precast Concrete kerb and channelling, including bedding layer, etc including radii, for:				
31		Figure 3	m	765		
32		Figure 12	m	175		
	SABS 1200 MM	**ROAD SIGNS**				
33		Budgetary allowance for road signs	Item	1		
		STORMWATER DRAINAGE				
	SABS 1200 DB	**PIPE TRENCHES:**				
		EXCAVATION				
		EXCAVATION AND BACKFILLING				
		Excavate in all materials for trenches backfill, compact, and dispose of surplus/unsuitable material, for pipe culverts :				
		450mm - 900mm diam. for depths (provisional) :				
34		1.0 m to 2.0 m	m	155		
35		2.0 m to 3.0 m	m	391		
		Extra-over item for :				
36		Hard rock excavation	m^3	525		
37		Boulders excavation	m^3	125		

Item	Payment Ref	Description	Unit	Quantities	Bills of Quantities	
					Rate	Amount
38		Make up deficiency in backfill material from commercial source	m^3	125		
	SABS 1200 LB	**BEDDING AND FILL BLANKET**				
39		Compaction in road reserve including the importation of G5 material from commercial sources for the main fill in areas subject to traffic.	m^3	470		
40		Extra over for stabilization with 5% portland cement	m^3	470		
		Stabilizing agent				
41		Portland cement	t	28		
		Provision of Class B bedding from trench from excavations				
42		Selected granular material	m^3	98		
43		Selected fill material (bedding blanket)	m^3	229		
	SABS 1200 LE	**PIPES**				
		Supply and lay concrete pipe culverts with spigot & socket joints on Class B bedding with nominal diameter				
44		450mm diameter Class 100D	m	342		
45		600mm diameter Class 100D	m	125		
46		900mm diameter Class 100D	m	79		
		Supply and install manholes, catchpits, kerb inlets, grid inlets Concrete Inlets & outlets to culverts to completion				
47		Manhole - standard depth 2.0m	No	5		
48		Grid In-let - Standard depth 2m	No	4		
49		Kerb In-let- standard depth 2m	No	1		
50		Junction Box as per detail drawing - Standard depth 2m	No	1		
51		Extra-over item grid inlet above variation in depth from standard depth	m	2		
52		Extra-over item manhole above variation in depth from standard depth	m	2		
53		Extra-over item kerb inlet above variation in depth from standard depth	m	1		
54		Construct precast U-Channel 370 X 405 with U- Channel grid cover	m	116		
55	**SANS 1200LD**	Break into existing 600mm diameter pipe and construct a manhole	No	1		

Item	Payment Ref	Description	Unit	Quantities	Bills of Quantities	
					Rate	Amount
56		Construct brickwall wingwalls , with 150mm thick 20Mpa concrete, Mesh Ref 245. The rate to include all concretework, formwork, floating etc	No	2		
	SANS 1200	**RETAINING WALLS**				
	SABS **1200D**	**EARTHWORKS**				
		MASS EARTHWORKS				
		EXCAVATION AND BACKFILL				
57		Excavation in all materials and backfill, dispose of surplus/unsuitable material (depth 0,5 m)	m^3	55		
58	8.2.2	Extra over item for excavation in hard material (no provision is made for intermediate excavation)	m^3	28		
59		Backfill in 150mm thick layers with G5 material from comercial sources to 95% Mod AASHTO density	m^3	715		
60		Loifestein Wall to completion including foundation	m^2	636		
	SABS 1200G	**CONCRETE**				
61		Blinding layer, 20MPa/19 mm concrete 50 mm minimum thickness	m^3	6		
		Concrete Strnegth 25MPa/19mm in:				
62		Base	m^3	32		
63		Walls	m^3	52		
		FORMWORK - SMOOTH				
		(Including 18 x 18 mm chamfers on all edges)				
64		Vertical straight to walls (internal)	m^2	207		
65		Vertical straight to walls (external)	m^2	207		
		REINFORCEMENT				
66		High tensile steel bars	t	13		
		Mild steel bars/mesh				
67		Mesh Ref. 245	m^2	250		
		UNFORMED SURFACE FINISHES				
	8.2.3	Wood-floated finish to:				
68		Wall	m^2	207		
		Steel-floated finish				
69	8.2.8(a)	Wall	m^2	207		
	SABS 1200 H	**GUARDRAILS**				
70		Excavate for timber poles to a depth of 1m	m^3	13		

Item	Payment Ref	Description	Unit	Quantities	Bills of Quantities	
					Rate	Amount
71		Backfill timber poles with concrete 20Mpa	m^3	13		
72		Timber post (1.8m)	No.	82		
	SABS 1200 H	**GUARDRAILS** Guard rails on Timber posts (1.8m and 150mm dia)				
73		Supply and install straight galvanised steel guardrails to SANS 1350 (Refer to Drawings)	m	196		
		Extra over Item 63 for				
74		Galvanised steel guardrail to SANS 1350 (curved)	m	39		
		End treatments				
75		Tail/end wings	No.	4		
76		Reflective plates	No.	26		
	SABS 1200 GE	**CONCRETE BARRIERS**				
77		Supply and install single side New Jersey barrier	m	48		
		PROVISIONAL AMOUNTS				
78		Allow for amount of parking bay covers	Sum	1	1,050,000.00	1,050,000.00
79		Percentage allowance for charges and profit on item	%	1,050,000.00		
80		Allow for amount of rehabilitation of exiting external asphalt roads	Sum	1	855,000.00	855,000.00
81		Percentage allowance for charges and profit on item	%	855,000.00		
		TOTAL TO SUMMARY				

GUARDHOUSE						
Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION NO.1				
		BILL NO.1				
		FOUNDATIONS				
		EARTHWORKS				
		EXCAVATION, FILLING, ETC				
		Excavation in earth not exceeding 2m deep				
1		Holes	m^3	1		
2		Trenches	m^3	41		
		Earthworks				
3		Rip and scarify bottom of foundation excavatios to a depth of 150mm and consolidate to 90% mod. AASHTO density	m^2	22		
4		Rip and scarify ground level to a depth of 300mm and re-compact in situ material in layers not exceeding 150mm thick to 93% mod. AASHTO density at -2% to 1% OMC	m^2	17		
		Extra over trench and hole excavations in earth for excavation in				
5		Soft rock	m^3	0.3		
6		Hard rock	m^3	1		
		Risk of collapse of excavations				
7		Sides of trench and hole excavations not exceeding 1,5m deep	m^2	67		
8		Sides of trench and hole excavations exceeding 1,5 and not exceeding 3m deep	m^2	16		
		Keeping excavations free of water				
9		Keeping excavations free of all water other than subterranean water	Item	1		
		Extra over all excavations for carting away				
10		Surplus material from excavations on site to a dumping site to be located by the contractor	m^3	31		
		FILLING ETC				
		Earth filling of G5 material supplied by the contractor, compacted to 95% Mod AASHTO density in 150mm layers under strip footing to form platform				
11		150mm Imported G5 material compacted to 95% mod. AASHTO density. Minimum CBR = 15%, Maximum size 2/3 of layer thickness, PI < 12 or 3 GM + 10; maximum swell 1,5% @ 100% Mod AASHTO. Grading Modules = 2,7 >/= GM >/= 0,75 (Layer 1)	m^2	22		
12		150mm Imported G5 material compacted to 95% mod. AASHTO density. Minimum CBR = 15%, Maximum size 2/3 of layer thickness, PI < 12 or 3 GM + 10; maximum swell 1,5% @ 100% Mod AASHTO. Grading Modules = 2,7 >/= GM >/= 0,75 (Layer 2)	m^2	22		
13		150mm Imported G5 material compacted to 95% mod. AASHTO density. Minimum CBR = 15%, Maximum size 2/3 of layer thickness, PI < 12 or 3 GM + 10; maximum swell 1,5% @ 100% Mod AASHTO. Grading Modules = 2,7 >/= GM >/= 0,75 (Layer 3)	m^2	22		

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		Dump rock material supplied by the contractor to form platform under strip footings, etc				
14		Backfilling to trenches, holes, etc	m^3	13		
		Earth filling of G5 material obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density at -2% to 1% OMC				
15		Under floors, steps, pavings, etc.	m^3	5		
		Stabilization agent				
		Ordinary Portland Cement (CEM 1)	m^3	10		
		Compaction of surfaces				
16		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 at -2% to 1% OMC (Layer 1)	m^2	17		
		Prescribed density tests on filling				
17		Modified AASHTO Density test	No	4		
		SOIL POISONING				
		Soil insecticide				
18		To bottoms and sides of trenches etc	m^2	105		
19		Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m^2	17		
		Weedkiller mixed in accordance to supplier's specifications				
20		To bottoms and sides of trenches etc	m^2	105		
21		Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m^2	17		
		UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
		15MPa/19mm concrete				
22		Surface blinding under footings and bases	m^3	2		
		REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
		25MPa/19mm concrete				
23		Bases	m^3	1		
24		Strip footings	m^3	5		
		TEST BLOCKS				
25		Allow for preparing a set of three (3) concrete strength test cubes, each size 150 x 150 x 150mm, sending them to an approved Testing Laboratory for testing and paying all charges in connection therewith. (Provisional)	No	4		
		REINFORCEMENT				
		High tensile steel reinforcement to structural concrete work				
26		12mm Diameter	t	0.3		

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
27		16mm Diameter	t	0.5		
		SMOOTH FORMWORK (DEGREE OF ACCURACY II)				
		Smooth formwork to sides				
28		Edges, risers, ends and reveals exceeding 300mm high or wide	m^2	16		
		Brickwork of NFX bricks (14 MPa nominal compressive strength) in class I mortar				
29		One brick walls	m^2	20		
		BRICKWORK SUNDRIES				
		Brickwork reinforcement				
30		150mm Wide reinforcement built in horizontally in foundations	m	237		
		FACE BRICKWORK				
		Face clay face brick, size 222 x 106 x 73mm, bedded and jointed in Class II mortar and pointed with recessed vertical and recessed horizontal joints, suitable for exposure zone 1-2 (PC Amount R10 000-00/1000 VAT excl. supplied and delivered to site)				
31		Extra over brickwork for face brickwork	m^2	14		
32		BOE coping	m	4		
		WATERPROOFING				
		Geotextile membrane laid in strict accordance to the manufacturer's instructions				
33		Bidim A4 membrane laid between dump rock and G5 material in foundations	m^2	22		
		Carried Forward to Summary of Section No.1				

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION NO.1				
		BILL NO.2				
		CONCRETE, FORMWORK AND REINFORCEMENT				
		UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
		LIGHTWEIGHT CONCRETE				
		Breeze concrete				
34		Grading to slabs	m^2	94		
		UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
		25MPa/19mm concrete				
35		Surface beds cast in panels on waterproofing	m^3	3		
		REINFORCED CONCRETE				
		30MPa/19mm concrete				
36		Slabs including beams and inverted beams	m^3	29		
		TEST BLOCKS				
37		Allow for preparing a set of six concrete strength test cubes, each size 150 x 150 x 150mm, sending them to an approved Testing Laboratory for testing and paying all charges in connection therewith. (Provisional)	No	3		
		CONCRETE SUNDRIES				
		Finishing top surfaces of concrete smooth with a wood float/steel trowel				
38		Surface beds, slabs, etc	m^2	17		
39		Surface beds, slabs, etc (slabs)	m^2	94		
		MOVEMENT JOINTS ETC				
		Expansion joints with bitumen impregnated softboard between concrete and brickwork				
40		10mm Joints not exceeding 300mm high along edges of surface beds	m	22		
		Saw cut joints				
41		6 x 40mm Saw cut joints on top of concrete with induced crack	m	10		
		SMOOTH FORMWORK (DEGREE OF ACCURACY III)				
		Smooth formwork to sides				
42		Edges, risers, ends and reveals not exceeding 300mm high or wide	m	18		
		Rough formwork to soffits				
43		Slabs propped up exceeding 1,5m and not exceeding 3,5m high	m^2	21		
44		Slabs propped up exceeding 5.5m and not exceeding 7m high	m^2	73		

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		REINFORCEMENT				
		Mild steel reinforcement to structural concrete work				
45		8mm Diameter bars	t	0.67		
46		10mm Diameter bars	t	0.93		
		High tensile steel reinforcement to structural concrete work				
47		16mm Diameter bars	t	1.58		
		Fabric reinforcement				
48		Steeledale Mesh standard square fabric mesh, nominal mass 1.93kg/m² with nominal 8mm thick wires and 200 x 200mm pitch (code 193), complying with SANS 1024/2006 requirements, in sheets 2,4 x 6m long.	m^2	17		
Carried Forward to Summary of Section No.1						

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION NO.1				
		BILL NO.3				
		MASONRY				
		SUPERSTRUCTURE				
		Brickwork of NFP bricks in class II mortar				
49		Half brick walls	m^2	9		
50		One brick walls	m^2	45		
		BRICKWORK SUNDRIES				
		Brickwork reinforcement				
51		75mm Wide reinforcement built in horizontally	m	42		
52		150mm Wide reinforcement built in horizontally	m	232		
		Prestressed fabricated lintels				
53		100 x 70mm Lintels in lengths not exceeding 3m	m	1		
		Turning pieces				
54		230mm Wide turning pieces to lintels etc	m	8		
		Holes				
55		Leave or form opening through one brickwall for pipe n.e 100mm diameter	No	1		
56		Leave or form opening through one brickwall for pipe exceeding 100 and not exceeding 200mm diameter	No	1		
		FACE BRICKWORK				
		Face clay face brick, size 222 x 106 x 73mm, bedded and jointed in Class II mortar and pointed with recessed vertical and recessed horizontal joints, suitable for exposure zone 1-2 (PC Amount R10 000-00/1000 VAT excl. supplied and delivered to site)				
57		Extra over brickwork for face brickwork	m^2	12		
58		Fair cutting and fitting around pipe not exceeding 100mm diameter	No	1		
59		Fair cutting and fitting around pipe exceeding 100mm and not exceeding 200mm diameter	No	1		
		Brick-on-edge header course copings, sills, etc of face bricks (PC Amount R10 000,00/thousand VAT excl. delivered to site) pointed with recessed joints on all exposed faces				
60		Extra over brickwork for brick-on-edge header course lintel pointed on face and 115mm soffit	m	8		
61		230mm Wide sill set sloping and slightly projecting	m	6		

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		NUTEC-CEMENT/FIBRE-CEMENT WINDOW SILLS				
		Everite Nutec window internal sill, size 150mm x 15mm thick, manufactured in accordance with SANS 803:2005 and installed below window with window sill lug screwed to underside of sill at 400mm centres, minimum of 75mm from end of window sill and bedded in Class II mortar with plastic slip joints at end of sills at plaster reveals and projecting from the finished face of wall, all in accordance with the manufacturer's recommendations.				
62		15 x 150mm Wide sills set flat and slightly projecting	m	6		
Carried Forward to Summary of Section No.1						
		SECTION NO.1				
		BILL NO.4				
		WATERPROOFING				
63		On flat roofs	m^2	94		
		DAMP-PROOFING OF WALLS AND FLOORS				
		One layer of 375 micron "Consol Plastics Brikgrip DPC" embossed damp proof course				
64		In walls	m^2	6		
		One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"				
65		Under surface beds	m^2	17		
		JOINT SEALANTS ETC				
		abe Construction chemicals				
		10 x 5mm Deep isolation joints, including raking out of expansion joint filler as necessary, prepare surfaces leaving them clean, dry sound and free of grease. clean non-porous surface with Dow Corning R40, dry thoroughly, apply primer if necessary and apply				
66		DOW Corning 813-C sealant	m	22		
Carried Forward to Summary of Section No.1						

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION NO.1				
		BILL NO.5				
		CARPENTRY AND JOINERY				
		DOORS, ETC				
		Solid core flush panel doors with masonite veneer hung to steel door frames				
67		40mm Door 900 x 2100mm high	No	1		
68		44mm Door 900 x 2100mm high	No	2		
Carried Forward to Summary of Section No.1						

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION NO.1				
		BILL NO.6				
		IRONMONGERY				
		CATCHES, CABIN HOOKS, ETC				
		"Union" or equal approved				
69		100mm cabin hook and eye including 70 x 70 x 20mm chamfered hardwood block twice oiled and plugged	No	2		
		LOCKS				
		"Union" or equal approved				
70		Three lever lockset	No	3		
		BATHROOM FITTINGS				
		Sundries				
71		20mm Chromium plated towel rail 300mm long including brackets (PC Amount R100.00 each VAT excl. supplied)	No	1		
		Approved "Kimberley-Clark"				
72		Kimberly-Clark® Professional Reflex® MK2 hand towel dispenser colour White (code: SA426104), overall size 310 x 280 x 400mm high, installed by a Kimberly Clark® installation team.	No	1		
73		Kimberly-Clark® Professional MR3 toilet tissue dispenser colour White (code: SA405606), overall size 130 x 135 x 256mm high, installed by a Kimberly Clark® installation team.??????	No	1		
74		Kimberly-Clark® Professional Reflex® Disposer wall mounted waste bin colour White (code: SA426213), overall size 334 x 258 x 635mm high, installed by a Kimberly Clark® installation team.	No	1		
75		Kimberly-Clark® Professional Foam soap dispenser colour White (code: SA427715), overall size 134 x 120 x 250mm high, installed by a Kimberly Clark® installation team.	No	1		
		PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC				
76		Pinning boards 1800 x 1200mm high complete with anodised aluminium frame fixed to brickwork (PC Amount R2 250-00 vat excl. each supplied)	No	1		
Carried Forward to Summary of Section No.1						

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION NO. 1				
		BILL NO. 7				
		STRUCTURAL STEELWORK				
		STEEL COLUMNS AND BEAMS				
		Welded columns in single lengths with flat section base, top, bearer and connection plates bolted to concrete and steel beam				
77		203 x 133 x 30kg/m I-column in length 2100mm long with four (4) 250 x 300 x 16mm thick plates four (4) times drilled and welded at set positions	No	4		
78		203 x 133 x 30kg/m I-column in length 5866mm long with four (4) 250 x 300 x 16mm thick plates four (4) times drilled and welded at set positions	No	4		
		Welded beams in single lengths with flat section bearer and connection plates bolted to concrete				
79		203 x 203 x 46kg/m H-section beam in length 4197mm long with four (4) 250 x 300 x 16mm thick plates four (4) times drilled and welded at set positions	No	3		
80		203 x 203 x 46kg/m H-section beam in length 15000mm long with four (4) 250 x 300 x 16mm thick plates four (4) times drilled and welded at set positions	No	2		
		Steel fixing plates, etc.				
81		250mm x 300 x 16mm Thick base plate four (4) times drilled for bolts and welded to steel columns (bolts and welding e/m)	No	4		
		Bolts to columns, beams, and trusses, etc				
82		M20 Bolt Full thread bolt 30mm with two (2) washers and one (1) nut	No	16		
83		Drill hole through 2,5mm steel for 10mm diameter bolt	No	16		
84		M16 Gr.8.8 Anchor bolt 340mm long with matching nut and two (2) washers	No	16		
Carried Forward to Summary of Section No.1						

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION NO.1				
		BILL NO.8				
		METALWORK				
		WELDED SCREENS, GATES, ETC				
		Gates to external doors				
85		Gate and frame overall size 1000 x 1900mm high complete (PC Amount R2 500,00 each. VAT excl. delivered to site)	No	2		
		PRESSED STEEL DOOR FRAMES				
		1,6mm Double rebated frames suitable for half brick walls				
86		Frame for door 813 x 2032mm high	No	1		
		1,6mm Double rebated frames suitable for one brick walls				
87		Frame for door 813 x 2032mm high	No	2		
		ALUMINIUM WINDOWS, DOORS, ETC				
88		Purpose made window size 600 x 900mm high (W05, W03) (PC Amount R1 100-00 each VAT excl. supplied, delivered and installed on site by an approved specialist)	No	1		
89		Purpose made window size 900 x 900mm high (W02) (PC Amount R1 500-00 each VAT excl. supplied, delivered and installed on site by an approved specialist)	No	2		
90		Purpose made window size 1800 x 1200mm high (W01) (PC Amount R5 000-00 each VAT excl. supplied, delivered and installed on site by an approved specialist)	No	2		
Carried Forward to Summary of Section No.1						

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION NO.1				
		BILL NO.9				
		PLASTERING				
		SCREEDS				
		Screeds on concrete				
91		30mm Thick screed on floors and landings	m^2	21		
		INTERNAL PLASTER				
		Cement plaster on brickwork				
92		On walls	m^2	66		
93		On walls in narrow widths	m^2	4		
		Gypsum skim plaster backwash on concrete				
94		On ceilings	m^2	21		
		SPECIALIST PLASTER WALL COVERINGS				
		2mm Thick "Marmoran" PVC resin bonded coating with 3,2mm "Stone Finish" with acrylic glaze coat on plaster				
95		On walls	m^2	29		
		GROUT, ETC.				
		Non shrink grout				
96		25mm Thick bedding under 250 x 300mm wide base plate including chamfering edges all round	No	16		
Carried Forward to Summary of Section No.1						

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION NO.1				
		BILL NO.10				
		TILING				
		WALL TILING				
		152 x 152 x 5mm Ceramic wall tiles (PC R300.00/m2 VAT excl. supplied) fixed to internal wall plaster backing with approved tile adhesive applied in strict accordance to manufacturer's instructions with joints continuous in both directions and grouted with approved tile grout excess grout on the surface to be cleaned with water as work proceeds.				
97		On walls	m^2	20		
98		On narrow widths	m^2	2		
99		On walls in isolated panels, splashbacks, etc	m^2	1		
100		Fair exposed cutting and fitting around pipe not exceeding 100mm internal diameter	No	1		
101		Fair exposed cutting and fitting around pipe exceeding 100mm and not exceeding 200mm diameter	No	1		
		FLOOR TILING				
		500 x 500 x 10mm Non- slip porcelain floor tiles (PC R300.00/m2 VAT excl. supplied) fixed with approved adhesive to screeds (screeds elsewhere) with straight joints in both direction flush pointed with approved tinted jointing compound excess grout on the surface to be cleaned with water as work proceeds.				
102		On floors and landings	m^2	17		
103		Skirting of 150 x 100mm high cut tile	m	14		
		500 x 500 x 10mm Non- slip ceramic floor tiles (PC R300.00/m2 VAT excl. supplied) fixed with approved adhesive to screeds (screeds elsewhere) with straight joints in both direction flush pointed with approved tinted jointing compound excess grout on the surface to be cleaned with water as work proceeds.				
150		On floors and landings	m^2	4		
151		Skirting of 150 x 100mm high cut tile	m	1		
		EDGES, ETC.				
		Sundries				
104		Aluminium edge strip on top of cut skirting (PC Amount R40-00/m Vat excl. supplied)	m	14		
Carried Forward to Summary of Section No.1						

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION NO.1				
		BILL NO.11				
		GLAZING				
		TOPS, SHELVES, DOORS, MIRRORS, ETC				
		6mm Silvered float glass copper backed mirrors with polished edges fixed with 4 round nose dome screws to walls				
105		Mirror 800 x 600mm high with four screws	No	1		
Carried Forward to Summary of Section No.1						

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION NO.1				
		BILL NO.12				
		PAINTWORK				
		PAINTWORK ETC TO NEW WORK				
		ON FLOATED PLASTER				
		Plascon Professional Eggshell Enamel to interior new cement plaster. Surface to be dry, sound and clean and cured for a minimum of 14 days, with a moisture content measured with a Doser Hygrometer (or equivalent), of BD 2 scale - 8% or less. Prime with one coat Professional Plaster Primer (PP700) with an overcoating time of 16 hours and finish with two coats Professional Eggshell Enamel (PSB 700) with 16 hours drying time between coats, for a maintenance cycle of 5 years in a C1 - inland environment.				
106		On internal walls	m^2	48		
		ON ROUGH CONCRETE				
		Plascon Professional Rippled Texture Low Sheen to interior new off-shutter concrete.Surface to be dry, sound and clean and cured for a minimum of 28 days, with a moisture content measured with a Doser Hygrometer (or equivalent), of BD 4 scale - 5% or less. Prime with one coat Professional Plaster Primer (PP700) with an overcoating time of 16 hours and finish with two coats Professional Rippled Texture Low Sheen (PTX 1400) with 4 hours drying time between coats, for a maintenance cycle of 5 years in a C1 - inland environment.• Environment : C1 - inland• Topcoat : Professional Rippled Texture Low Sheen • Number of coats of topcoat : two coats• Overcoating time for topcoat : 4,00 hour• Primer/Base coat : Professional Plaster Primer • Overcoating time for primer/base coat : 16,00 hour• Specification document : NW156t.				
		On concrete soffits	m^2	94		
		Plascon Polvin Super Acrylic to exterior new fibre cement (NW 105).Surface to be dry, sound and clean, with a moisture content, measured with a Doser Hygrometer (or equivalent), of BD 2 scale - 8% or less. Prime with one coat Plascon Plaster Primer (UC 56) with an overcoating time of 16 hours and finish with two coats Polvin Super Acrylic (EPL) with 1 hour drying time between coats, for a maintenance cycle of 3 years in a C1 - inland environment.				
107		On window sills not exceeding 300mm girth	m	6		
108		On door frames	m^2	3		
109		On gates, grilles, burglar screens, balustrades, etc (both sides measured over the full flat area)	m^2	8		
		Prepare and apply two coats "Abecote Epoxy tar 352" tar paint on steel				

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		Plascon Super Universal Enamel to exterior new mild steel.Surface to be clean and dry. Remove surface contaminants using Metalcare Aquasolv Degreaser (GR 1) with bristle brush or Brillo pads. Rinse thoroughly with tap water until surface is water break-free. Remove rust and millscale by abrasive blasting to ISO 8501 - 01:1988 - Sa2½ or by hand/mechanical wire brushing to St3 of the same standard. Allow to dry completely and prime within 4 hours of cleaning. Prime with one coat Metalcare Mild Steel Primer (UC 501) with an overcoating time of 16 hours and finish with two coats Super Universal Enamel (NY 1/G) with 16 hours drying time between coats, for a maintenance cycle of 3 years in a C1 - inland environment.				
110		On columns and beams	m2	10		
		Plascon Professional Eggshell Enamel to interior new wood. Surface to be dry, sound and clean. Wash knots and resinous areas with Lacquer Thinners (ILS 1) and coat with Woodcare Knot Seal (PK 2) and apply one coat of Plascon Woodcare Pretreatment (WWP 1), overcoated within 48 hours with a moisture content, measured with a Doser Hygrometer (or equivalent), of BD 2 scale (A1-A5) < 14% or less. Prime with one coat Professional Wood Primer (PP800) with an overcoating time of 16 hours and finish with two coats Professional Eggshell Enamel (PSB 700) with 16 hours drying time between coats, for a maintenance cycle of 5 years in a C1 - inland environment.				
		On doors	m^2	12		
Carried Forward to Summary of Section No.1						

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION NO 1 - BUILDING SUMMARY				
		FOUNDATIONS				
		CONCRETE, FORMWORK & REINFORCEMENT				
		MASONRY				
		WATERPROOFING				
		CARPENTRY AND JOINERY				
		IRONMONGERY				
		METALWORK				
		STRUCTURAL STEEL WORK				
		PLASTERING				
		TILING				
		GLAZING				
		PAINTWORK				
Carried Forward to Final Summary						

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION NO.2				
		BILL NO.1				
		RAINWATER DISPOSAL				
		0,5mm Thick seamless aluminium gutters				
111		100 x 150 x 100mm Eaves gutters with beaded front edge	m	6		
112		Extra over eaves gutter for stopped end	No	2		
113		Extra over eaves gutter for outlet for 100mm diameter pipe	No	2		
114		100mm Diameter rainwater pipes	m	8		
115		Extra over rainwater pipe for eaves or plinth offset 450mm projection	No	2		
116		Extra over rainwater pipe for shoe	No	2		
		Cast iron pipes				
117		100mm Diameter rainwater pipes	m	5		
118		Extra over cast iron pipes for fittings				
119		Extra over cast iron rainwater pipe for shoe	No	2		
		Cast iron pipes				
		Fulbore cast iron outlets				
120		Saint Gobain Pipelines South Africa 150mm 180º vertical roof outlet eared with dome grate code 03530.	No	2		
Carried Forward to Summary of Section No.2						

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION NO.2				
		BILL NO. 2				
		SOIL DRAINAGE				
		The following in trenches for pipes (pipes e/m)				
121		Excavation not exceeding 2m deep	m^3	20		
122		Risk of collapse to sides of trench and hole excavations not exceeding 1,5m deep	m^2	68		
123		Backfilling to trenches, holes, with materials obtained from excavations compacted in 150mm layers to 90% Mod AASHTO density	m^3	4		
124		Backfilling to trenches, holes, with selected materials obtained from excavations compacted in 150mm layers to 90% Mod AASHTO density to form fill blanket	m^3	8		
125		Backfilling to trenches, holes, with selected granular supplied by the contractor materials compacted in 150mm layers to 90% Mod AASHTO density to form bedding cradle	m^3	8		
126		Extra over all excavations for carting away surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m^3	8		
127		Keeping excavations free of water	Item	1		
		uPVC Underground drain pipes including couplings in the running lengths				
128		110mm Pipes vertically or ramped to cleaning eyes etc (no excavation)	m	5		
129		110mm Pipes laid in trenches not exceeding 1m deep (trenches e/m)	m	30		
130		160mm Pipes laid in and including trenches not exceeding 1m deep	m	15		
		Extra over heavy duty structered wall uPVC sewer pipes to SANS 1601 on Class C bedding for fittings:				
131		110mm Bend	No	2		
132		160mm Bend	No	2		
133		110mm Gulley trap with DPI plastics gulley head and grate	No	1		
134		110mm Junction	No	5		
135		110 x 110 x 110mm Side junction	No	3		
136		160 x 160 x 160mm Junction	No	2		
137		160 x 110mm Reducing bend	No	1		
		uPVC gulleys				
138		110mm Gulley not exceeding 750mm deep, incl of pre-cast concrete sorround, excavation etc.	No	1		
Carried Forward to Summary of Section No.2						

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION NO.2				
		BILL NO.3				
		SANITARY FITTINGS				
		Franke				
139		Franke Projectline Model PLN611 Grade 304 18/10 polished stainless steel single end bowl inset sink (Code: 1990030), overall size 800 x 460mm with one 340 x 370 x 140mm deep bowl, fitted onto cupboard (elsewhere specified). Sink to include: • PVC trap (trap elsewhere specified) • 38mm waste fitting.	No	1		
		Vaal				
140		White vitreous china "Daisy" semi-close coupled 90 degree outlet open rim washdown pan (code 774000) and matching 9 litre cistern (code 710034) complete with lid, fitments and flush pipe elbow and conversion bend (code 710044) and "deluxe" toilet seat	No	1		
189		Vaal Sanitaryware Hibiscus vitreous china wall mounted basin colour White (code: 7023), size 510 x 405mm with one taphole including integrated overflow and chainstay hole bolted to wall with two 10mm bolts (code: 8448Z0) and sealed with silicone sealant where basin meets wall	No	1		
		WASTE UNIONS ETC				
		Cobra Watertech				
141		Cobra Watertech 32mm chrome plated anti-theft plug with spindle (Code: 309-32).	No	1		
		Cobra Ref. 316 sink waste with 70mm diameter flange, 45mm long shank, backnut, plug and chain	No	1		
142		Cobra Watertech 32mm chrome plated slotted basin waste union (no chain or stay) (Code: 301-32).	No	1		
		TRAPS ETC				
		Marley				
143		40 x 50mm Deep seal P trap (anti-syphon) Code ETP11.	No	1		
		Cobra Waterrtech				
144		Cobra Watertech 32mm chrome plated deep seal bottle trap with outlet for 50mm PVC (Code: 345/50)	No	1		
		TAPS, VALVES, ETC				
		Cobra Watertech				
145		Cobra Watertech Star 15mm chrome plated wall mounted sink mixer with overarm swivel outlet, adjustable wall flanges and concealed connections (Code:166/041), manufactured in accordance with SANS 226:2004 Type 1 (BS 5412).	No	1		
146		Cobra Watertech 15mm MI x FI x 75mm long extension piece with sliding wall flange (Code: 059-15).	No	2		
147		Cobra Watertech 15mm compression type angle regulating valve with 10mm bendable copper outlet tube service connection (Code: 232/350).	No	1		
Carried Forward to Summary of Section No.2						

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION NO.2				
		BILL NO.4				
		SANITARY PLUMBING				
		uPVC pipes				
		The following in trenches for pipes (pipes e/m)				
148		Excavation not exceeding 2m deep	m^3	1		
149		Risk of collapse to sides of trench and hole excavations not exceeding 1,5m deep	m^2	4		
150		Backfilling to trenches, holes, with materials obtained from excavations compacted in 150mm layers to 90% Mod AASHTO density	m^3	0.3		
151		Backfilling to trenches, holes, with selected materials obtained from excavations compacted in 150mm layers to 90% Mod AASHTO density to form fill blanket	m^3	0.5		
152		Backfilling to trenches, holes, with selected granular supplied by the contractor materials compacted in 150mm layers to 90% Mod AASHTO density to form bedding cradle	m^3	1		
153		Extra over all excavations for carting away surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m^3	1		
154		Keeping excavations free of water	Item	1		
		uPVC Underground drain pipes including couplings in the running lengths				
155		50mm Pipes	m	2		
156		110mm Pipes	m	1		
157		50mm Pipes laid in trenches not exceeding 1m deep under floors (trenches e/m)	m	2		
158		110mm Pipes laid in trenches not exceeding 1m deep under floors (trenches e/m)	m	1		
		Extra over uPVC pipes for fittings				
159		50mm BSP adaptor	No	1		
160		50mm Bend	No	1		
161		50mm Access bend	No	1		
162		50mm Access junction	No	2		
163		110mm Junction	No	1		
164		110mm Reducer	No	1		
165		110mm Access bend	No	2		
166		110mm Bend	No	2		
167		110mm Access junction	No	1		
168		110 x 50mm Reducing junction	No	1		
169		110mm x 50 x 50mm Double reducing junction	No	1		
170		110mm Pan connector	No	1		
171		110mm "GI Two-way" vent valve	No	1		
Carried Forward to Summary of Section No.2						

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION NO.2				
		BILL NO. 5				
		WATER SUPPLIES				
		Class 0 copper pipes				
172		15mm Pipes	m	13		
		Extra over class 0 copper pipes for capillary fittings				
173		15mm Fittings	No	10		
		ELECTRIC WATER HEATERS				
		Franke				
174		Zip Stainless steel 5 litre Hydroboil (Code: 2610009), size 313 x 174 x 460mm high with instant boiling water, two way tap control and GlobalPlus™ water filtration kit, SK3 drip tray (Code: 2120112) with SK3 bracket (Code: 2120114), plugged and screwed to wall and fitted under 1 year guarantee. • Product: 5 litre Hydroboil (Code: 2610009) • Finish: Stainless steel • Size: 313 x 174 x 460mm high.	No	1		
		FIRE APPLIANCES ETC				
		Chubb				
175		9kg Dry chemical powder fire extinguisher, including standard hard wood backing plugged and backing finished with one coat dark stain and two coats clear suede polyurethane varnish	No	1		
Carried Forward to Summary of Section No.2						

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION NO.2				
		BILL NO. 6				
		BUILDER'S WORK				
		Builder				
		TESTING				
176		Provide all necessary water, etc., for and test the whole of the plumbing services, sanitary fittings, pumps, etc., and in stages as deemed necessary, including chlorination, complete to the satisfaction of the architect and the local authority, replace any defective work free of charge, including any necessary re-testing and leave in perfect condition upon completion	Item	1		
178		Allow for testing and commisioning the whole of the plumbing services, sanitary fittings, pumps, etc., including any necessary re-setting, etc., for optimal perfomance of the entire system to duration of the contract, maintenance and guarantee period	Item	1		
Carried Forward to Summary of Section No.2						

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION No 02 - DRAINAGE SUMMARY				
		RAINWATER DISPOSAL				
		SOIL DRAINAGE				
		SANITARY FITTINGS				
		SANITARY PLUMBING				
		WATER SUPPLIES				
		WORK IN CONNECTION WITH BILLS 2 TO 6				
Carried Forward to Final Summary						

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION NO.3				
		BILL NO.1				
		FEATURE WALLS, ETC.				
		EARTHWORKS				
		EXCAVATION, FILLING, ETC				
		Excavation in earth not exceeding 2m deep				
179		Trenches	m^3	10		
		Earthworks				
180		Rip and scarify bottom of foundation excavatios to a depth of 150mm and consolidate to 90% mod. AASHTO density	m^2	5		
		Extra over trench and hole excavations in earth for excavation in				
181		Soft rock	m^3	0.1		
182		Hard rock	m^3	1		
		Risk of collapse of excavations				
183		Sides of trench and hole excavations not exceeding 1,5m deep	m^2	19		
		Keeping excavations free of water				
184		Keeping excavations free of all water other than subterranean water	Item	1		
		Extra over all excavations for carting away				
185		Surplus material from excavations on site to a dumping site to be located by the contractor	m^3	7		
		FILLING ETC				
		Earth filling of G5 material supplied by the contractor, compacted to 95% Mod AASHTO density in 150mm layers under strip footing to form platform				
186		150mm Imported G5 material compacted to 95% mod. AASHTO density. Minimum CBR = 15%, Maximum size 2/3 of layer thickness, PI < 12 or 3 GM + 10; maximum swell 1,5% @ 100% Mod AASHTO. Grading Modules = 2,7 >/= GM >/= 0,75 (Layer 1)	m^2	5		
187		150mm Imported G5 material compacted to 95% mod. AASHTO density. Minimum CBR = 15%, Maximum size 2/3 of layer thickness, PI < 12 or 3 GM + 10; maximum swell 1,5% @ 100% Mod AASHTO. Grading Modules = 2,7 >/= GM >/= 0,75 (Layer 2)	m^2	5		
188		150mm Imported G5 material compacted to 95% mod. AASHTO density. Minimum CBR = 15%, Maximum size 2/3 of layer thickness, PI < 12 or 3 GM + 10; maximum swell 1,5% @ 100% Mod AASHTO. Grading Modules = 2,7 >/= GM >/= 0,75 (Layer 3)	m^2	5		
		Dump rock material supplied by the contractor to form platform under strip footings, etc				
189		Backfilling to trenches, holes, etc	m^3	3		
		Stabilization agent				
190		Ordinary Portland Cement (CEM 1)	m^3	2		

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		Prescribed density tests on filling				
191		Modified AASHTO Density test	No	1		
		SOIL POISONING				
		Soil insecticide				
192		To bottoms and sides of trenches etc	m^2	24		
		Weedkiller mixed in accordance to supplier's specifications				
193		To bottoms and sides of trenches etc	m^2	24		
		UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
		15MPa/19mm concrete				
194		Surface blinding under footings and bases	m^3	0.2		
		REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
		25MPa/19mm concrete				
195		Strip footings	m^3	1		
		TEST BLOCKS				
196		Allow for preparing a set of three (3) concrete strength test cubes, each size 150 x 150 x 150mm, sending them to an approved Testing Laboratory for testing and paying all charges in connection therewith. (Provisional)	No	3		
		REINFORCEMENT				
		Mild steel reinforcement to structural concrete work				
197		10mm Diameter bars	t	0.1		
198		8mm Diameter bars	t	0.1		
		High tensile steel reinforcement to structural concrete work				
199		12mm Diameter	t	0.2		
200		16mm Diameter	t	0.3		
		SMOOTH FORMWORK (DEGREE OF ACCURACY II)				
		Smooth formwork to sides				
201		Edges, risers, ends and reveals exceeding 300mm high or wide	m^2	4		
		Brickwork of NFX bricks (14 MPa nominal compressive strength) in class I mortar				
202		280mm Hollow walls of two half brick skins including vertical twist type wall ties	m^2	3		
		BRICKWORK SUNDRIES				
		Brickwork reinforcement				
203		230mm Wide reinforcement built in horizontally in foundations	m	29		
204		230mm Wide reinforcement built in horizontally	m	375		
205		Closing 280mm cavity of hollow wall vertically with brickwork half brick wide	m	5		

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
206		Splayed mortar fillet one course high in 85mm cavity	m	5		
		SUPERSTRUCTURE				
		Brickwork of NFP bricks in class II mortar				
207		280 Hollow walls of two half brick skins including vertical twist type wall ties	m^2	32		
		WATERPROOFING				
		Geotextile membrane laid in strict accordance to the manufacturer's instructions				
208		Bidim A4 membrane laid between dump rock and G5 material in foundations	m^2	5		
		METALWORK				
		SUNDRY METALWORK				
		Welded columns in single lengths with flat section base, top, bearer and connection plates bolted to concrete				
209		150 x 100 x 10kg/m Hot dipped galvanised angle section fixed to concrete	m	31.89		
210		Two (2) x 150 x 100 x 10kg/m Hot dipped galvanised angle section welded back to back laid in brickwork as lintels above openings	m	1.7		
		PLASTERING				
		EXTERNAL PLASTER				
		Cement plaster on brickwork				
211		On walls in foundations	m^2	2		
212		On walls	m^2	64		
213		On narrow widths	m^2	5		
		SPECIALIST PLASTER WALL COVERINGS				
		2mm Thick "Marmoran" PVC resin bonded coating with 3,2mm "Stone Finish" with acrylic glaze coat on plaster				
262		On walls	m^2	66		
214		On narrow widths	m^2	5		
Carried Forward to Summary of Section No.3						

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION NO.3				
		BILL NO.2				
		APRONS AROUND BUILDINGS				
		EARTHWORKS				
		SITE CLEARANCE ETC				
		Site clearance				
215		Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m^2	19		
		EXCAVATION, FILLING, ETC				
		Excavation in earth not exceeding 2m deep				
216		Rip and scarify ground level to a depth of 150mm and consolidate and compacting to 93% Mod AASHTO density at -2% to 1% OMC	m^2	19		
217		Cut as shape surfaces to suit 700mm wide V-shaped stormwater channels	m	19		
		Prescribed density tests on filling				
218		Modified AASHTO Density	No	3		
		SOIL POISONING				
		Soil insecticide to be executed with SABS compliance by a firm of specialists under a 5 year guarantee				
219		Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m^2	19		
		Weedkiller mixed in accordance to supplier's specifications				
220		Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m^2	19		
		CONCRETE, FORMWORK AND REINFORCEMENT				
		REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
		15 MPa/20 mm concrete				
221		Aprons cast in panels to falls	m^3	1.9		
222		Stormwater channel cast in panels	m^3	1.14		
		CONCRETE SUNDRIES				
		Finishing top surfaces of concrete smooth with a wood float				
223		Aprons to falls	m^2	19		
224		700mm Wide V-shaped stormwater channel to falls	m	19		
		TEST CUBES				
225		Allow for preparing a set of three concrete strength test cubes, each size 150 x 150 x 150mm, sending them to an approved Testing Laboratory for testing and paying all charges in connection therewith.	Sets	3		
		SMOOTH FORMWORK (DEGREE OF ACCURACY II)				

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		Smooth formwork to sides				
226		Edges, risers, ends and reveals not exceeding 300mm high or wide	m	19		
		MOVEMENT JOINTS ETC				
		Silicone sealing compound including backing cord, bond breaker, primer, etc				
227		10 x 15mm In isolation joints including raking out of expansion joint filler as necessary	m	19		
		Silicone sealing compound including backing cord, bond breaker, primer, etc				
228		10 x 10mm In expansion joints including raking out of expansion joint filler as necessary	m	19		
		REINFORCEMENT				
		Fabric reinforcement				
229		Steeledale Mesh standard square fabric mesh, nominal mass 3,11 kg/m² with nominal 5,6mm thick wires and 200 x 200mm pitch (code 311), complying with SANS 1024/2006 requirements cut 1000mm wide to fit aprons	m	19		
230		Steeledale Mesh standard square fabric mesh, nominal mass 3,11 kg/m² with nominal 5,6mm thick wires and 200 x 200mm pitch (code 311), complying with SANS 1024/2006 requirements cut 700mm wide and shaped to fit V shaped stormwater channels	m	19		
Carried Forward to Summary of Section No.3						

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION No 3 - EXTERNAL WORKS SUMMARY FEATURE WALLS CONCRETE APRONS				
Carried Forward to Final Summary						

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION NO. 4				
		BILL NO.1				
		PROVISIONAL SUMS				
		PROVISIONAL SUMS FOR SELECTED SUB-CONTRACT WORKS				
		Electrical Installation				
231		Provide the sum of R70 000,00 (seventy thousand rand) for the supply and installation of electrical installation by Specialists	Item	1	70,000.00	70,000.00
232		Allow for giving every facility to Specialists as described	Item	1		
233		Allow for profit on above if required	Item	1		
		Close Circuit Television (CCTV) Installation				
234		Provide the sum of R50 000,00 (fifty thousand rand) for the supply and installation of CCTV by Specialists	Item	1	50,000.00	50,000.00
235		Allow for giving every facility to Specialists as described	Item	1		
236		Allow for profit on above if required	Item	1		
		Steel Canopy				
237		Provide the sum of R60 000-00 (sixty thousand rand) for Steel canopy by Specialists	Item	1	60,000.00	60,000.00
238		Allow for giving every facility to Specialists as described	Item	1		
239		Allow for profit on above if required	Item	1		
Carried Forward to Summary of Section No.4						

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION NO. 4				
		BILL NO 2				
		PROVISIONAL AMOUNTS ETC				
		PROVISIONAL SUMS FOR SELECTED SUB-CONTRACT WORKS				
		HOLES THROUGH WALLS				
		Holes				
240		Leave or form opening through one brickwall for pipe n.e 100mm diameter	No	8		
241		Leave or form opening through one brickwall for pipe exceeding 100mm and n.e 200mm diameter	No	6		
		SLEEVES				
		Plastic sleeves for pipes not exceeding 100mm diameter				
242		Sleeve not exceeding 250mm long	No	8		
243		Sleeve exceeding 250mm and not exceeding 500mm long	No	6		
244		Plastic sleeves for pipes exceeding 100mm and not exceeding 200mm diameter				
245		Sleeve not exceeding 250mm long	No	4		
246		Sleeve exceeding 250mm and not exceeding 500mm long	No	2		
		HOLES ETC				
		Core drilling of hole for pipe not exceeding 50mm diameter				
247		300mm Reinforced concrete slab, beam, wall, etc	No	4		
		Core drilling of hole for pipe exceeding 50mm and not exceeding 100mm diameter				
248		300mm Reinforced concrete slab, beam, wall, etc	No	2		
		Core drilling of hole for pipe exceeding 100mm and not exceeding 200mm diameter				
249		300mm Reinforced concrete slab, beam, wall, etc	No	1		
Carried Forward to Summary of Section No.4						

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION NO 4 - PROVISIONAL AMOUNT SUMMARY				
250		PROVISIONAL SUMS				
251		PROVISIONAL SUMS FOR SELECTED SUB-CONTRACT WORKS				
Carried Forward to Final Summary Summary						

Item	PAYMENT REFER TO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SUMMARY OF GUARDHOUSE				
		SECTION 1 BUILDING			R	
		SECTION 2 PLUMBING AND DRAINAGE			R	
		SECTION 3 BUILDING EXTERNAL WORKS			R	
		SECTION 4 PROVISIONAL SUMS			R	
TOTAL						