

SECTION A - PRELIMINARY AND GENERAL

ITEM NO	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SANS 1200 AA,AB	GENERAL(Smallworks) & ENGINEER'S OFFICE				
A.1	8,3	FIXED-CHARGE ITEMS				
A.1.1	8.3.1	Contractual requirements	Sum	1		
A.1.2	8.3.2	SITE ESTABLISHMENT:				
A.1.2.1	8.3.2.1	<u>Facilities for Engineer (SABS 1200 AB):</u>				
A.1.2.1.1	(c)	Construction Nameboard	No.	1		
A.1.3	8.3.2.2	<u>Facilities for Contractor</u>				
A.1.3.1		Office and storage	Sum	1		
A.1.3.2		Ablution and toilet facilities on site and elsewhere	Sum	1		
A.1.3.3		Tools and equipment	Sum	1		
A.1.3.4		Water supplies, electric power and communication	Sum	1		
A.1.3.5		Dealing with water	Sum	1		
A.1.3.6		Plant for clearing site and excavations in all materials	Sum	1		
A.1.3.7		Plant for transportation of plant	Sum	1		
A.1.3.8	8.3.3	Other Fixed Charge Obligations	Sum	1		
A.1.3.9	8.3.4	Removal of Site Establishment	Sum	1		
A.2	8,4	TIME RELATED ITEMS				
A.2.1	8.4.1	Contractual requirements	Sum	1		
A.3	8.4.2.1	<u>Facilities for Engineer (SABS 1200 AB):</u>				
A.3.1	(c)	Construction Nameboard	No.	1		
A.4	8.3.2.2	<u>Facilities for Contractor</u>				
A.4.1		Office and storage	Sum	1		
A.4.2		Ablution and toilet facilities on site and elsewhere	Sum	1		
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SECTION A - PRELIMINARY AND GENERAL (Continued)

ITEM NO	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SECTION BROUGHT FORWARD FROM PREVIOUS PAGE						
A.4.3		Tools and equipment	Sum	1		
A.4.4		Water supplies, electric power and communication	Sum	1		
A.4.5		Dealing with water	Sum	1		
A.4.6		Plant for clearing site and excavations in all materials	Sum	1		
A.4.7		Plant for transportation of plant	Sum	1		
A.4.8	8.3.3	Other Time Related Obligations	Sum	1		
A.4.9	8.4.3	Supervision for the duration of Construction	Sum	1		
A.4.10	8.4.4	Company and Overhead costs	Sum	1		
A.5	8,8	TEMPORARY WORKS				
A.5.1	8.8.4	Protect existing services				
A.5.2	8.8.4	Protect survey beacons and pegs				
A.5.3	8.8.4	Search and locate (excavate) existing services				
A.5.4	8.8.4	Supply, deliver & use (or hire) of specialist equipment for the detection of underground services	Sum	1		
A.5.5	8.8.2	Deal with traffic (or accommodation of traffic)	Sum	1		
A.5.6		Health and Saftey	Sum	1		
TOTAL SECTION A TO SUMMARY						

SECTION B - ROAD WORKS

ITEM NO	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.1	SABS 1200 C	SITE CLEARANCE				
B.1.1	8.2.1	Clear and grub the entire designated area to a nominal depth of 100mm and dispose of surplus material on a site located by the Contractor and approved by the Engineer.	m ²	1740,00		
B.2	SABS 1200 DM	EARTHWORKS (Subgrade and Base Course)				
B.2.1	8.3.3	Rip and compact in-situ material for roadbed/Subgrade layer to minimum of 93% of modified AASHTO 150mm deep.	m ²	1740,00		
B.3	SABS 1200 ME	SUBBASE				
B.3.1	8.3.1	Construct gravel SUB-BASE with imported G5 material from the commercial sources, 150mm thick compacted to 98% of mod. AASHTO density.	m ³	265,00		
B.3.2	8.3.5	Process SUB-BASE by means of stabilization with a UCS >0.8	m ³			Rate Only
B.3.3	8.3.8	<u>Stabilization agent:</u>				
B.3.3.1		Portland Cement (3%)	Ton			Rate Only
B.3.3.2		Road lime	Ton			Rate Only
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SECTION B - ROAD WORKS (Continued)

ITEM NO	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SECTION BROUGHT FORWARD FROM PREVIOUS PAGE						
B.4	SABS 1200 MF	BASE				
B.4.1	8.3.1	Construct gravel BASE COURSE with imported G1 material from the commercial source, 150mm thick compacted to 95% of mod. AASHTO density.	m ³	265,00		
B.4.2	8.3.5	Process SUB-BASE by means of stabilization with a UCS >0.8	m ³			Rate Only
B.4.3		<u>Stabilization agent:</u>				Rate Only
B.4.3.1		Portland Cement (3%)	Ton			Rate Only
B.4.3.2		Road lime	Ton			
TOTAL SECTION B TO SUMMARY						

SECTION C - SEGMENTED PAVING

ITEM NO	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
C.1	SABS 1200 MJ	<u>SEGMENTED PAVING</u> <u>Construction of paving (Zig-Zag interlocking pavers) complete. The rate shall cover the units that needs to be cut to fit to the edge restraints, sand bed of 25mm to be placed below paving blocks. (SABS pre-cast concrete paving blocks or similar approved):</u>				
C.1.1		Coulor to match existitng blocks (220 x 110 x 80mm)	m ²	1740,00		
TOTAL SECTION C TO SUMMARY						

SECTION D - KERBS & STORMWATER

ITEM NO	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SABS 1200 MK	<u>KERBING & CHANNELLING</u>				
D.1	8.2.2	Construct Fig.3 precast concrete semi-mountable kerbing on top of sub-base (150mm wide x 300mm high). Rate shall include the transition kerbing:				
D.1.1	(a)	Straight kerbing (1m length)	m	175,00		
D.1.2	(b)	Curved kerbing (Radius 1m up to 12m, 0.3m length)	m			Rate Only
	SABS 1200 DB	<u>EARTHWORKS (Pipe trenches)</u>				
D.2	8.3.2	<u>Excavate in all material for pipe trenches, backfill and compact, dispose of excess unsuitable material.</u>				
		<u>Trenches 1200mm wide for stormwater pipes up to 600mm dia. Depth of trench of but not exceeding:</u>				
D.2.1		For excavation 0.0m-0.5m deep	m			Rate Only
D.2.2		For excavation 0.5m-1.0m deep	m			Rate Only
D.2.3		For excavation 1.0-1.5m deep	m			Rate Only
D.2.4		For excavation 1.5m-2.0m deep	m	7,00		
D.2.5		For excavation exceeding 2m, up to 3m deep	m			Rate Only
D.2.6	8.3.2©	Trimming of trench bottoms by hand to specified levels	m	7,00		
D.2.7	8.3.3.1	Excavate in all material for structures, backfill and compact, dispose of excess unsuitable material.	m ³	10,00		
D.2.8	8.3.3.1	Excavate in all material for culverts, backfill and compact, dispose of excess unsuitable material.	m ³			Rate Only
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SECTION D - KERBS & STORMWATER (Continued)

ITEM NO	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SECTION BROUGHT FORWARD FROM PREVIOUS PAGE						
D.3	8.3.2(b)	<u>Extra over for excavation in:</u>				
D.3.1	8.3.2(b1)	Intermediate material	m ³			Rate Only
D.3.2	8.3.2(b2)	Rock excavation, including removal of boulders	m ³			Rate Only
	SABS 1200 LB	<u>BEDDING (Pipes)</u>				
D.4		<u>Provide from trench excavation</u>				
D.4.1	8.2.2.1	Selected granular material for bedding from trench bottom	m ³	4,00		
D.4.2		Selected fill blanket for bedding from trench bottom	m ³	4,00		
	SABS 1200 LE	<u>STORMWATER</u>				
D.5		PIPEWORK				
D.5.1	8.2.1	<u>Supply, handle, lay in Class B bed, new concrete interlocking pipes</u>				
D.5.1.1		450mm dia class 75D	m	7,00		
D.6	8.2.8	CATCHPITS (GRID INLETS):				
D.6.1		Supply all material and labour to construct reinforced concrete grid inlet as detailed on drawing number. 002 and 003.	No.	1,00		
TOTAL SECTION D TO SUMMARY						

SECTION E - ANCILLARY ROADWORKS

ITEM NO	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
E.1	SABS 1200 MM	<u>ROAD MARKINGS</u> <u>Scheduled items for road markings - Bright white & yellow re-flectroized road marking paint (SABS 731) applied at nominal rate of 0,421/m² (Inclusive of setting out and pre-marking)</u>				
E.1.1	8.4.1(a)	White lines broken or unbroken (including setting out and pre-marking)				
E.1.1.1		1) 100mm wide	m	604,00		
E.1.1.2		3) 200mm wide	m	8,00		
E.1.1.3	(c)	White characters and symbols	m ²	20,00		
E.1.1.4	(d)	Yellow characters and symbols	m ²	18,00		
E.1.1.6	(e)	Traffic island marking	m ²	170,00		
TOTAL SECTION E TO SUMMARY						

SECTION F - SHADEPORTS

ITEM NO	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
F.1		<u>NEW SHADEPORT</u> <u>Supply and install new shadeports complete: Columns 152 x 4mm CHS, hoops 48 x 2mm CHS , rigde beams 76 x 2mm CHS, latice arms/tie back 48 x 2mm CHS, SABS approved Net 95% UV Blockout Z25 contruction, Concrete cast 25MPA 900 x 400 x 400</u>				
F.1.1		47 meters made up of 6 custom made size back to back cantiliver structure (Custom made size as per drawing number 004 and 005)	m	47,00		
F.1.2		125 meters made up of 17 custom made size coupled cantiliver structure (Custom made size as per drawing number 004 and 005)	m	125,00		
F.2		<u>EXISTING SHADEPORT</u> Removal of existing net and dipose off to a legal municipaly dumping site	m ²	700,00		
F.2.1	SANS 1200 H	<u>STEEL RENEWAL</u>				
F.2.1.1	8,3	Renewal of all irretrievably-corroded steel components with substituted, complementary or cropped-and-replaced welded or bolted steel member, including non-destructive testing of all weld seams.				
F.3	SANS 1200 HC	<u>SURFACE CLEANING</u>	Ton	0,50		
F.3.1	8,2	Washing of all surfaces by means of a > 220-bar high-pressure water-jet cleaner [delivery rate: > 2i per 10"] to remove all traces of dirt, grime,vegetation and fungus.	Sum	1,00		
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SECTION F - SHADEPORTS (Continued)

ITEM NO	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SECTION BROUGHT FORWARD FROM PREVIOUS PAGE						
F.3.2		Descaling of all steel surfaces by scraping and wire-brushing using percussive reciprocating needles with rotary abrasive flaps and right angle grinder, including retrieving and disposing scale material, etc.	Sum	1,00		
F.4		<u>PAINT WORK</u>				
F.4.1	8.2.3	At least two coats alkyd enamel 35-40 microns DTF, Colour to match existing colour.	sum	R1,00		
F.5		<u>REPLACING EXISTING NET</u> SABS approved Net 95% UV Blockout Z25, colour to match				
F.5.1		Trebles Cantiliver	No.	14,00		
F.5.2		Trebles Cantiliver back to back	No.	5,00		
F.5.3		4 BAY Cantiliver back to back	No.	2,00		
F.5.4		4 BAY Cantiliver	No.	6,00		
F.5.6		Double Cantiliver	No.	2,00		
F.5.7		Double Cantiliver back to back	No.	2,00		
TOTAL SECTION F TO SUMMARY						

SECTION G -PROVISIONAL SUMS

ITEM NO	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<u>SUMS STATED PROVISIONALLY BY ENGINEER</u>						
G.1.1	8,5	Provisional sum for control testing to be carried out by an approved independent laboratory, including concrete test cubes.	Prov.Sum	1,00	R 20 000,00	R 20 000,00
G.1.2		Provisinal sum for supply and installation of Corparate Signage Complete with all accessories	Prov.Sum	1,00	R 50 000,00	R 50 000,00
G.1.3		Provisinal sum for fault finding and repairs to existing electrical system on the existing parking's	Prov.Sum	1,00	R 50 000,00	R 50 000,00
TOTAL SECTION G TO SUMMARY						R 120 000,00

SECTION H - MISCELLANEOUS SUMS

ITEM NO	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		<u>MISCELLANEOUS SUMS</u>				
		<u>All equipment installed to carry a 12-month guarantee. The rate shall include civil work and installation of conduit/s and data cabling as required. The shall include travelling and installation costs. All works to be certified and a C.O.C to be provided upon completion of works:</u>				
H.1		<u>SECURITY BOOM GATE</u>				
H.1.1		Supply, deliver and install Boom gate 3.5m long pvc Ø75mm arm, coated with reflector tape, pivoting up and down action	No.	3,00		
H.2		<u>DEMOLITION</u>				
H.2.1		Removal of exsting concrete island at main gate and dispose of the rubble to legal dumping site (6m x 0,4m x 0,3m high)	No.	1,00		
H.2.2		Removal of existing gate at main gate (6m x 2,4m High)	No.	1,00		
H.2.3		Removal of existing palasade fence and dispose of to the legal dumping site	m	5,00		
H.2.4		Removal of exiting boom gate complete with wiring	No.	2,00		
TOTAL SECTION H TO SUMMARY						R 0,00

SECTION K - ELECTRICAL WORKS

ITEM NO	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
K.1		<u>DISTRIBUTION BOARD & BREAKERS</u>				
K.1.1		<u>Supply and install DB surface mounted complete with material as specified</u>				
K.1.1.2		DB Box Surface Mount - IP65 - 1 x 4 Module	No	1,00		
K.1.1.3		Isolator 3Ph 60A	No	2,00		
K.1.1.4		Earth Leakage -30mA	No	1,00		
K.1.1.4		MCB 20A 1ph	No	3,00		
K.2		<u>EXCAVATION & TRENCHING</u>				
K.2.1		<u>Excavating, bedding, backfilling, consolidating and making good as specified.</u>				
K.2.1.1		Pickable soil	m ³	30,00		
K.2.1.2		Hard rock	m ³			Rate Only
K.2.1.3		Very Hard rock	m ³			Rate Only
K.3		<u>CABLING</u>				
K.3.1		<u>Supply and install cabling.</u>				
K.3.1.1		Cable warning tape, 300mm above cables	m	100,00		
K.3.1.2		Cable markers, above cables	No.	8,00		
K.3.1.3		4x4 (SWA)	m	100,00		
K.3.1.4		2x2,5 (Surfix)	m	700,00		
K.4		<u>CONDUIT & ACCESSORIES</u>				
K.4.1		<u>Supply and install Conduit & Accessories</u>				
K.4.1.1		Steel Tubing (25mm)	m	50,00		
K.4.1.2		PVC Tubing (25mm)	m	100,00		
K.4.1.3		Junction Box IP65	No.	32,00		
K.5		<u>LIGHT SWITCHES</u>				
K.5.1		<u>Supply and install Light Switches</u>				
K.5.1.1		Single Switch	No.	2,00		
K.5.1.2		Day/Night Switch	No.	5,00		
K.5.1.3		Triple Switch	No.			Rate Only
K.6		<u>LIGHT FITTINGS</u>				
K.6.1		<u>Supply and install Light Switches</u>				
K.6.1.1		Bulk Head (2 x 20W CFL Bulb) - IP65	No.	30,00		
K.6.1.2		20W LED Floodlight - IP65	No.	2,00		
K.7		<u>LIGHT FITTINGS</u>				
K.7.1		<u>Supply and install Light Pole Complete with Foundations</u>				
K.7.1.1		3 to 4m Pole- Galvanised Stainless Steel (40-60mm Diammeter)	No.	2,00		
TOTAL SECTION K TO SUMMARY						