

SCHEDULE OF QUANTITIES

STATION REFURBISHMENT AT VEREENIGING STATION

<u>Item</u>	<u>Description</u>	<u>Unit</u>	Quantity	<u>Rate</u>	Amount
<u>No</u>	SECTION 1				
	BILL NO. 1				
	PRELIMINARY AND GENERAL				
	Preliminary and General				
	The JBCC Series 2000 Principal Building Agreement (JBCC 5.1 March 2014) prepared by the				
	Joint Building Contracts Committee, shall be the agreement, amended as hereinafter				
	The Preliminaries for use with the JBCC Series 2000 Principal Building Agreement (JBCC 5.1 March 2014 edition) prepared by the Joint Building Contracts Committee, shall be deemed to be incorporated in these bills of quantities Contractors are referred to the abovementioned documents for the full intent and meaning of each clause thereof These clauses are hereinafter referred to by clause number and heading only. Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading and such modifications, corrections or supplements shall take precedence notwithstanding anything contrary contained in the above-mentioned documents				
	SECTION A: PRINCIPAL BUILDING AGREEMENT				
	1 Clause 1.0 - Definitions and interpretation Interpretation (A1-A7)				
1	General Preliminaries to Include Appointment of Local CLO, site clearance of trees, shrubs, access vegitation and make good	Sum	1		
	Occupational Health and safety				
	The contractor shall comply with all the requirements set out in the Construction Regulations, issued under The Occupational Health & Safety Act no 85 of 1993.				
	Safety file shall be provided by the contractor prior to commencement of work.				
	The contractor shall carry out the works with as little noise and mess as possible. All rubble shall be taken away from site on a daily basis.				
	Note: All designated items should comply with local content threshold.				
2	Compliance with Occupational Health and Safety Act (Act 85 of 1993) and its regulations and with the Employers Health and Safety	Sum	1		0
			Carried t	o final summary	
Item	<u>Description</u>	<u>Unit</u>	Quantity	<u>Rate</u>	0 <u>Amount</u>
No.	SECTION NO. 2				
	CIVIL AND GENERAL BUILDING WORK AT VEREENIGING STATION				
	BILL NO. 1				
	<u>ALTERATIONS</u>				
	SUPPLEMENTARY PREAMBLES				
	<u>General</u>				
	Special care shall be exercised during the progress of the				
	work to ensure that any electrical installations, water supply pipes, telephone and other services which may be				
	encountered are not interfered with and notice shall be given				
	to the project manager if any disconnection or alterations become necessary				

1				1
	The contractor shall take all precautions necessary to			
	prevent any nuisance from dust whilst carrying out the work			
	, , , , , , , , , , , , , , , , , , , ,			
	<u>Leave in good condition</u>			
	The contractor must leave the existing building, in which			
	the alterations are executed ,clean and neat at completion			
	Price shall include removal and disposal of rubble from site			
	REMOVAL OF EXISTING WORK			
	Taking down and removing ceiling			
1	Rhino Board	m²	80	
_				
	Taking down and removing doors			
2	Timber single door 813 x 2032	No.	4	
2	Timber Single door 613 x 2032	INO.	4	
	Taking out and removing glass, beads, etc			
3	Brocken window pane from steel frame including upgrading, cleaning and preparation to receive new	m²	10	
3	receive new		10	
	Hacking up/off and removing ceramic tile floor and wall finishes including removing mortar			
	bed or backing and preparing concrete or brick surface for new screed, plaster or tile			
	finishes			
4	150 x 150mm tiles to walls	m²	5	
5	500 x 500mm tiles to floors	m²	5	
	Taking out and removing piping, sanitary fittings, etc including disconnection piping from			
	fittings			
6	9l Ceramic pan and cistern	No	7	
7	9I Ceramic cistern	No	1	
•				
8	Flushing mechanism for 9I Ceramic cistern	No	2	
9	Wash hand basin including all fittings	No	2	
,	wash hand bash melduling an herings	140		
10	Taps	No	5	
11	Davin ninga all singa		150	
11	Down pipes all sizes	m	150	
12	Gutters all sizes	m	200	
	Taking out and removing roof tiles			
13	Redland roof tiles	m²	50	
	Taking out and removing locks	 		
14	3 lever union locks with handles	No.	2	
15	Large ultra locks	No.	2	
16	Cylinder secutity gate locks	No.	6	
10	Cyminaes security gate locks	INU.	U	
	Taking out and removing manhole covers and frames			
4-	COO y COO man at a large halo from a large latter a surface and a large latter a	NI-	-	
17	600 x 900mm steel manhole frame including surface preparation to receive new	No.	5	
	Clean down existing box gutters, flashings. Etc apply de-rusting compound to surfaces,			
	prepare area for paint application and allow for re-fixing, replacing and waterproofing of			
	necessary roof screws, fixing screws, etc			
18	150 x 150mm sheet steel box gutters in fair condition	m	100	
-0				
19	300 x 200mm sheet steel box gutters in fair condition	m	100	
	Clean out and service gutters			
	Clean out and service gutters	Ţ		
20	150 x 150mm eaves gutter	m	100	

21	300 x 200mm industrial eaves gutter	m	100		
21	300 x 200mm muustnar eaves gutter		100		
	Upgrading of stormwater and Sewer network				
22	Nich and the state of the state		250		
22	High pressure jetting and cleaning of 300mm diameter stormwater underground pipe	m	350		
23	High pressure jetting and cleaning of 110mm diameter sewer underground pipe	m	350		
			Carri	ed to final summary	
			Carri	ed to fillal suffillial y	
<u>Item</u>	<u>Description</u>	<u>Unit</u>	Quantity	<u>Rate</u>	<u>Amount</u>
	BILL NO 2				
	BILL NO Z				
	CONCRETE WORK				
	Detailing of consents surfaces				
	Patching of concrete surfaces				
	Cleaning the damaged area, apply a bonding agent to ensure proper adhesion, and filling the				
1	void with suitable concrete repair material (patching compound, etc).	m²	15		
			Carri	ed to final summary	
<u>Item</u>	<u>Description</u>	<u>Unit</u>	Quantity	<u>Rate</u>	<u>Amount</u>
	BILL NO 3				
	ROOF COVERING ETC				
	CONCRETE ROOF TILES				
1	Re-install the removed concrete interlocking redland roof tiles	m²	30		
	Supply and install new concrete interlocking redland roof tiles as per manufacture				
2	specification	m²	20		
	WATERPROOFING				
	Prepare surface by power wash the roof tiles to remove dirt and loose material. Repair				
	cracks by sealing any cracks or gabs in the tiles or mortar with appropriate material such as				
	silicon sealant and roof cement. Apply primer recommended specialized primer to improve adhesion of topcoate. For porous tiles applya penetrating sealant to bind dust and				
	strengthen the concrete. For overall protection the contractor polyurethane and				
	elastomeric coating designed for outdoor roof use. the contractor to pay attention to				
	ridges, mortar joins, peak tiles, and edge tiles				
3	Waterproofing to concrete roof tile with	m²	50		
			Carri	ed to final summary	
Item	<u>Description</u>	<u>Unit</u>	Quantity	Rate_	Amount
	·				
	BILL NO. 4				
	CARPENTRY AND JOINERY				
	TIMBER				
	All softwood to be South African Pine				
	DOORS, ETC				
	Wrought meranti doors hung to steel frames				
	44mm thick interior grade flush solid core timber single door with 3mm thick commercial				
	ply on both sides with consolidated edges fitted and complying with SABS 545 in pressed steel frame. All painted in accordance with architect's colour schedules				
1	813 x 2032 x 44mm single leaf solid core with commercial veneer for paint, pricing shall	No	_		
1	include painting as per manufactures specification	No.	5		
Ī	l e e e e e e e e e e e e e e e e e e e	L	1		1

	Level G3 bullet resistant Anti-bandit door, complete with $100 \times 50 \times 3$ mm gauge mild steel rectangular frame and $25 \times 25 \times 3$ mm MS anlge rebates, overall size 930×2100 mm high in powder coating and or galvinised cladding with peep hole, supplied with a 6 pin tumbler key system, mortice dead lock with an additional heavy duty magnetic lock and striker including key switch and surface mounted casing, 6 Amp power supply, push buttons and interlock system, heavy duty aluminium continuous hinge, aluminium slam bar with heavy duty door closer and D-style pull handles. Door to comply to SABS 1658-1996				
2	Level G3 bullet resistant anti-bandit external door	No.	1		
	Wrought softwood				
3	50 x 75mm purlins at 900mm center's to sides of trusses	m	35		
	<u>Sundries</u>				
4	Two coats creosote on sawn timbers	m²	20		
			Carried t	o final summary	
<u>Item</u>	<u>Description</u>	<u>Unit</u>	Quantity	<u>Rate</u>	<u>Amount</u>
	BILL NO 5				
	CEILING WORK				
	SUPPLEMENTARY PREAMBLES				
	Description				
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete				
	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", bolts priced elsewhere				
	Finishes to suspended ceilings:				
	All finishes to be applied at the factory during the manufacturing process and to be delivered on site "pre-finished" as described. No applying of finishes on site will be allowed				
	NAILED UP CEILING				
	6mm "Everite Nutec" fibre cement boards with H-type pressed steel jointing including painting with one coat of alkali resistance primer, one undercoat and two coat eggshell enamel paint				
	Ceiling generally 600mm wide including 38 x 38mm sawn softwood brandering at maximum 600mm centres nailed to and including 75 x 50mm sawn softwood bearers at 900mm centres suspended approximately 250mm below timber trusses with 75 x 38mm vertical bearers at 600mm centres nailed to tie beams of trusses	m²	80		
2	Extra over ceiling for $800 \times 800 \text{mm}$ trap door of 38 50mm wrought softwood rebated framing with one $38 \times 38 \text{mm}$ sawn softwood cross brander covered with ceiling board and fitted flush in opening	No.	1		
	"Rhino" gypsum plasterboard cornice				
3	75mm coved cornices fixed to ceiling	m	35		
			Carried t	o final summary	
<u>Item</u>	<u>Description</u>	<u>Unit</u>	Quantity	<u>Rate</u>	Amount
	BILL NO 6				
	IRONMONGERY				
	LOCKS				
	Supply and install				
1	Ultra-security heavy duty double pin locks	No	3		
2	3 liver mortice lockset with handles	No	3		

3	Indicator door lock chrome plated	No	8		
4	D-style pull handles set for anti-bandit	No	1		
			10		
5	Cylinder security gate locks	No			
			Carried t	o final summary	
<u>Item</u>	<u>Description</u>	<u>Unit</u>	Quantity	<u>Rate</u>	<u>Amount</u>
	BILL NO 7				
	PLUMBING WORK				
	SANITARY FITTINGS				
1	Vandal resistance low level High traffic suite complete (Front flush), suite to includes CC white Cistern made from high strength technoplast polymer with concealed mounting bracket, heavy duty securing bolts, concealed tamper proof lid screws and hiflo MK3 flush valve, including CC Pan and and heavy duty seat.	No	6		
2	Close coupled suite colour White , comprising 90° outlet open rim pan with matching 9 litre front single flush cistern including lid and fitments and Jazz Thermoset seat.	No	2		
3	Ceramic wash hand basin colour White, size 510 x 405mm with one tap hole including integrated overflow and chain stay hole bolted to wall with two x 10mm bolts and including Classic floor mounted pedestal and sealed with silicone sealant where basin meets wall.	No	2		
4	Elf Cistern mechanism LL front flush	No	1		
5	Jazz Thermoset seat	No	4		
	TAPS, VALVES, ETC				
	Supply and install				
6	Self-closing push button tap	No.	5		
	Exposed type urinal flush valve with ball-o-stop, wall flange, chrome plate finish and non-hold				
7	open feature	No.	1		
8	15mm \emptyset BSP built-in sleeve, DZR brass urinal flush valve with internal flow control, strainer and no-hold feature for single bowl urinal.	No.	1		
9	Flexi connector	No	13		
10	15 Brass Gate Valve	No	2		
11	Mini Ball Valve	No	13		
	WASTE UNINON ETC				
12	Basin waste, plug, chain, stay and backnut	No.	10		
12		NO.	10		
	TRAPS ETC				
	38mm sink "P" trap	No.	5		
14	110mm pan connector completely	No.	8		
	WATER SUPPLIERS				
	Class "O" copper pipe				
15	15mm pipes	m	5		
16	15mm pipes chased into brick walls and make good	m	5		
17	22mm pipes	m	5		
	22mm pipes chased into brick walls	m	5		
	Extra over class "O" copper pipes for capillary fittings	***	-		
	15mm fitting	No.	2		
20	22mm fitting	No.	2		
21	15mm Tee	No.	2		

Ì					
22	22mm Tee	No.	2		
	Galvanized pipe				
22			-		
23	32mm pipes	m	5		
	Extra over class Galvanized pipes for capillary fittings				
24	32mm fitting	No.	2		
25	32mm elbow	No.	2		
26	32mm Tee	No.	2		
	Plastic waste pipes				
27	50mm waste pipes with all connection and make good	m	10		
	PLATFORM MANHOLE COVERS AND FRAMES				
28	Type 9B MD polymer lid and frame including to make good after completion	No.	5		
29	600 x 900mm polymer lid and frame including to make good after completion	No.	5		
	RAIN WATER GOODS				
	0.9mm galvanized sheet iron				
30	150 x 150mm industrial eaves gutter including heavy duty brackets fixed at 500mm centers	m	200		
31	Extra over 150 x 150mm eaves gutter for stopped end	No.	15		
32	Extra over 150 x 150 eaves gutter for angle	No.	35		
33	Extra over 150 x 150mm eaves gutter for outlets	No.	35		
34	100mm rainwater pipes	m	150		
35	Extra over rainwater pipe for shoe	No.	35		
35	Extra over rainwater pipe for shoe	No.		o final summary	
35	Extra over rainwater pipe for shoe Description	No.		o final summary	Amount
			Carried t		Amount
<u>Item</u>			Carried t		Amount
<u>Item</u>	<u>Description</u>		Carried t		Amount
<u>Item</u>	Description BILL NO.8 METAL WORK		Carried t		Amount
<u>Item</u>	Description BILL NO.8 METAL WORK SECURITY GATES		Carried t		Amount
<u>Item</u>	Description BILL NO.8 METAL WORK		Carried t		Amount
Item No.	Description BILL NO.8 METAL WORK SECURITY GATES Supply and install Burglar door 1200 x 2200mm high Heavy duty Burglar door and frame with 16mm steel round bar and 40 x	Unit	Quantity		Amount
Item No.	Description BILL NO.8 METAL WORK SECURITY GATES Supply and install Burglar door 1200 x 2200mm high Heavy duty Burglar door and frame with 16mm steel round bar and 40 x 40 x 2.5mm square tubing		Carried t		Amount
Item No.	Description BILL NO.8 METAL WORK SECURITY GATES Supply and install Burglar door 1200 x 2200mm high Heavy duty Burglar door and frame with 16mm steel round bar and 40 x 40 x 2.5mm square tubing Gates bolted to brickwork or concrete walls	Unit	Quantity		Amount
Item No.	Description BILL NO.8 METAL WORK SECURITY GATES Supply and install Burglar door 1200 x 2200mm high Heavy duty Burglar door and frame with 16mm steel round bar and 40 x 40 x 2.5mm square tubing Gates bolted to brickwork or concrete walls Supply and Install mild steel welded 3000mm high x 6000mm long steel sliding gate	Unit	Quantity		Amount
Item No.	Description BILL NO.8 METAL WORK SECURITY GATES Supply and install Burglar door 1200 x 2200mm high Heavy duty Burglar door and frame with 16mm steel round bar and 40 x 40 x 2.5mm square tubing Gates bolted to brickwork or concrete walls Supply and Install mild steel welded 3000mm high x 6000mm long steel sliding gate constructed from 120x60x4.5mm rectangular frame, intermediate steel section of 2 x 120x60x4.5mm and 1 x 120x60x4.5mm horizontal section including anti-lift system, heavy	Unit	Quantity		Amount
Item No.	Description BILL NO.8 METAL WORK SECURITY GATES Supply and install Burglar door 1200 x 2200mm high Heavy duty Burglar door and frame with 16mm steel round bar and 40 x 40 x 2.5mm square tubing Gates bolted to brickwork or concrete walls Supply and Install mild steel welded 3000mm high x 6000mm long steel sliding gate constructed from 120x60x4.5mm rectangular frame, intermediate steel section of 2 x	Unit	Quantity		Amount
Item No.	Description BILL NO.8 METAL WORK SECURITY GATES Supply and install Burglar door 1200 x 2200mm high Heavy duty Burglar door and frame with 16mm steel round bar and 40 x 40 x 2.5mm square tubing Gates bolted to brickwork or concrete walls Supply and Install mild steel welded 3000mm high x 6000mm long steel sliding gate constructed from 120x60x4.5mm rectangular frame, intermediate steel section of 2 x 120x60x4.5mm and 1 x 120x60x4.5mm horizontal section including anti-lift system, heavy duty wheels and heavy duty lock completely with 16mm round bar diameter rail in trenches covered by 30 Mpa concrete with Spike lengths of 1500mm and is 30-40mm wide. The spikes should stand 80mm high above the pre-cast wall. The spikes must be made of 1.2mm thick	No.	Quantity 8		Amount
Item No.	Description BILL NO.8 METAL WORK SECURITY GATES Supply and install Burglar door 1200 x 2200mm high Heavy duty Burglar door and frame with 16mm steel round bar and 40 x 40 x 2.5mm square tubing Gates bolted to brickwork or concrete walls Supply and Install mild steel welded 3000mm high x 6000mm long steel sliding gate constructed from 120x60x4.5mm rectangular frame, intermediate steel section of 2 x 120x60x4.5mm and 1 x 120x60x4.5mm horizontal section including anti-lift system, heavy duty wheels and heavy duty lock completely with 16mm round bar diameter rail in trenches covered by 30 Mpa concrete with Spike lengths of 1500mm and is 30-40mm wide. The spikes should stand 80mm high above the pre-cast wall. The spikes must be made of 1.2mm thick pre-galvanized steel.	Unit	Quantity		Amount
Item No.	Description BILL NO.8 METAL WORK SECURITY GATES Supply and install Burglar door 1200 x 2200mm high Heavy duty Burglar door and frame with 16mm steel round bar and 40 x 40 x 2.5mm square tubing Gates bolted to brickwork or concrete walls Supply and Install mild steel welded 3000mm high x 6000mm long steel sliding gate constructed from 120x60x4.5mm rectangular frame, intermediate steel section of 2 x 120x60x4.5mm and 1 x 120x60x4.5mm horizontal section including anti-lift system, heavy duty wheels and heavy duty lock completely with 16mm round bar diameter rail in trenches covered by 30 Mpa concrete with Spike lengths of 1500mm and is 30-40mm wide. The spikes should stand 80mm high above the pre-cast wall. The spikes must be made of 1.2mm thick	No.	Quantity 8		Amount
Item No.	Description BILL NO.8 METAL WORK SECURITY GATES Supply and install Burglar door 1200 x 2200mm high Heavy duty Burglar door and frame with 16mm steel round bar and 40 x 40 x 2.5mm square tubing Gates bolted to brickwork or concrete walls Supply and Install mild steel welded 3000mm high x 6000mm long steel sliding gate constructed from 120x60x4.5mm rectangular frame, intermediate steel section of 2 x 120x60x4.5mm and 1 x 120x60x4.5mm horizontal section including anti-lift system, heavy duty wheels and heavy duty lock completely with 16mm round bar diameter rail in trenches covered by 30 Mpa concrete with Spike lengths of 1500mm and is 30-40mm wide. The spikes should stand 80mm high above the pre-cast wall. The spikes must be made of 1.2mm thick pre-galvanized steel. MILD STEEL PALISADE	No.	Quantity 8		Amount
Item No.	Description BILL NO.8 METAL WORK SECURITY GATES Supply and install Burglar door 1200 x 2200mm high Heavy duty Burglar door and frame with 16mm steel round bar and 40 x 40 x 2.5mm square tubing Gates bolted to brickwork or concrete walls Supply and Install mild steel welded 3000mm high x 6000mm long steel sliding gate constructed from 120x60x4.5mm rectangular frame, intermediate steel section of 2 x 120x60x4.5mm and 1 x 120x60x4.5mm horizontal section including anti-lift system, heavy duty wheels and heavy duty lock completely with 16mm round bar diameter rail in trenches covered by 30 Mpa concrete with Spike lengths of 1500mm and is 30-40mm wide. The spikes should stand 80mm high above the pre-cast wall. The spikes must be made of 1.2mm thick pre-galvanized steel. MILD STEEL PALISADE Posts:76x76x2mm thick at 3m at 3m centre's with trident heads or spear point Panels: Pales to be 65mm wide x 4mm thick hot rolled corrugated iron with 1 anti-sag support bracket, to be welded to rail angle sections of 50 x 50 x 4mm, to have trident heads or spear point	No.	Quantity 8		Amount
Item No.	Description BILL NO.8 METAL WORK SECURITY GATES Supply and install Burglar door 1200 x 2200mm high Heavy duty Burglar door and frame with 16mm steel round bar and 40 x 40 x 2.5mm square tubing Gates bolted to brickwork or concrete walls Supply and Install mild steel welded 3000mm high x 6000mm long steel sliding gate constructed from 120x60x4.5mm rectangular frame, intermediate steel section of 2 x 120x60x4.5mm and 1 x 120x60x4.5mm horizontal section including anti-lift system, heavy duty wheels and heavy duty lock completely with 16mm round bar diameter rail in trenches covered by 30 Mpa concrete with Spike lengths of 1500mm and is 30-40mm wide. The spikes should stand 80mm high above the pre-cast wall. The spikes must be made of 1.2mm thick pre-galvanized steel. MILD STEEL PALISADE Posts:76x76x2mm thick at 3m at 3m centre's with trident heads or spear point Panels: Pales to be 65mm wide x 4mm thick hot rolled corrugated iron with 1 anti-sag support bracket, to be welded to rail angle sections of 50 x 50 x 4mm, to have trident heads or spear point and to be equally spaced between the posts to a distance of 89mm	No.	Quantity 8		Amount
Item No.	Description BILL NO.8 METAL WORK SECURITY GATES Supply and install Burglar door 1200 x 2200mm high Heavy duty Burglar door and frame with 16mm steel round bar and 40 x 40 x 2.5mm square tubing Gates bolted to brickwork or concrete walls Supply and Install mild steel welded 3000mm high x 6000mm long steel sliding gate constructed from 120x60x4.5mm rectangular frame, intermediate steel section of 2 x 120x60x4.5mm and 1 x 120x60x4.5mm horizontal section including anti-lift system, heavy duty wheels and heavy duty lock completely with 16mm round bar diameter rail in trenches covered by 30 Mpa concrete with Spike lengths of 1500mm and is 30-40mm wide. The spikes should stand 80mm high above the pre-cast wall. The spikes must be made of 1.2mm thick pre-galvanized steel. MILD STEEL PALISADE Posts:76x76x2mm thick at 3m at 3m centre's with trident heads or spear point Panels: Pales to be 65mm wide x 4mm thick hot rolled corrugated iron with 1 anti-sag support bracket, to be welded to rail angle sections of 50 x 50 x 4mm, to have trident heads or spear point	No.	Quantity 8		Amount
Item No.	Description BILL NO.8 METAL WORK SECURITY GATES Supply and install Burglar door 1200 x 2200mm high Heavy duty Burglar door and frame with 16mm steel round bar and 40 x 40 x 2.5mm square tubing Gates bolted to brickwork or concrete walls Supply and Install mild steel welded 3000mm high x 6000mm long steel sliding gate constructed from 120x60x4.5mm rectangular frame, intermediate steel section of 2 x 120x60x4.5mm and 1 x 120x60x4.5mm horizontal section including anti-lift system, heavy duty wheels and heavy duty lock completely with 16mm round bar diameter rail in trenches covered by 30 Mpa concrete with Spike lengths of 1500mm and is 30-40mm wide. The spikes should stand 80mm high above the pre-cast wall. The spikes must be made of 1.2mm thick pre-galvanized steel. MILD STEEL PALISADE Posts:76x76x2mm thick at 3m at 3m centre's with trident heads or spear point Panels: Pales to be 65mm wide x 4mm thick hot rolled corrugated iron with 1 anti-sag support bracket, to be welded to rail angle sections of 50 x 50 x 4mm, to have trident heads or spear point and to be equally spaced between the posts to a distance of 89mm	No.	Quantity 8		Amount

ĺ	PLATFORM WASTE BINS		1		
	Hot dipped galvanised perforated swing bin manufactured on a base plate to be bolted				
	down to the ground.				
5	Supply and deliver bins to match the existing	No.	4		
			Carried t	o final summary	
<u>Item</u>	<u>Description</u>	<u>Unit</u>	Quantity	Rate	<u>Amount</u>
	BILL NO.9				
	GLAZING				
	GLAZING TO STEEL WITH PUTTY				
	4mm clear float glass				
1	Panes exceeding 0.1 m2 and not exceeding 0.5m2	m²	10		
	Mirrors				
	6mm silver float glass copper backed mirrors with polished edges holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork				
2	Mirror 1000 x 1000mm with four screws	No.	5		
			Carried t	o final summary	
<u>Item</u>	Description	Unit	Quantity	Rate	<u>Amount</u>
iceiii	======================================	<u> </u>	Quantity	nate	Amount
	PAINTWORK				
	For preambles see "Model Preambles for Trades" 2008 edition published by the Association of South African Quantity Surveyors				
	SUPPLEMENTARY PREAMBLES				
	Previously painted plastered surfaces				
	Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth				
	Previously painted metal surfaces				
	Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal				
	Previously painted wood surfaces				
	Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with a suitable filler and finished smooth				
	PAINTWORK, ETC TO NEW WORK				
	ON FLOATED PLASTER				
	One coat professional plaster primer and two coats of white Professional Superior Low				
	Sheen				
1	On ceiling and cornices	m²	100		
	ON WOOD				
	One coat wood primer, one Universal Undercoat and two coats Prasa Oakley Brown enamel paint				
2	On doors	m²	30		
	ON METAL				
	One coat zinc chromate primer, one under coat and two coats professional white gloss				
	enamel paint				

ı					
3	On buglers, gates, door frames, window frames, rainwater goods etc	m²	100		
	Construction for the desired state of the st				
	One coat professional plaster primer and two coats contractors Brick and Slasto Dressing/Brick seal				
4	On internal and external face brick walls	m²	200		
	PAINTWORK ETC TO PREVIOUSLY PAINTED WORK				
	ON METAL				
	ON WETAL				
	Wash with polycell sugar soap and rinse with clean water to remove all traces of soap, remove all loose flaking paint and repair any cracks and defects, spot prime bare and repaired areas with bonding liquid and apply One coat of waterprime, one coat of universal undercoat, two coats of gloss Enamel of PRASA Grey				
5	All steel work	m²	150		
	ON FLOATED PLASTER				
	Wash with polycell sugar soap and rinse with clean water to remove all traces of soap,				
	remove all loose flaking paint and repair any cracks and defects, spot prime bare and repaired apply one coat sealer One coat primer, one under coat and two coats PRASA Neutral				
6	On internal walls	m²	200		
	Wash with polycell sugar soap and rinse with clean water to remove all traces of soap, remove all loose flaking paint and repair any cracks and defects, spot prime bare and repaired areas with bonding liquid and apply one coat sealer and two coats of white Professional Superior Low Sheen				
7	On ceiling	m²	250		
	PLATFORM MARKING				
	Prepare and paint yellow road marking paint on tared platform surfaces				
8	Chevron	m	760		
				o final summary	
Item	<u>Description</u>	<u>Unit</u>		o final summary Rate	Amount
			Carried t	•	Amount
	<u>Description</u> BILL NO.11		Carried t	•	Amount
			Carried t	•	Amount
	BILL NO.11		Carried t	•	Amount
	HOT MIX ASPHALT RESURFACING The surface to be sprayed with primer (SS60), A 6.7mm continuous fine asphalt mix with a temperature not less than 1000C to be laid maintaining a thickness of 40mm after compaction including sealant. The completed surface to be carefully inspected for rough or low spots, surface irregularities, untidy edges, incomplete compaction or other faults and these will need to be		Carried t	•	Amount
Item	HOT MIX ASPHALT RESURFACING The surface to be sprayed with primer (SS60), A 6.7mm continuous fine asphalt mix with a temperature not less than 1000C to be laid maintaining a thickness of 40mm after compaction including sealant. The completed surface to be carefully inspected for rough or low spots, surface irregularities, untidy edges, incomplete compaction or other faults and these will need to be rectified. Cutting, Scarify and removal of old tar surfaces	<u>Unit</u>	Quantity 7800	•	Amount
1 1	BILL NO.11 HOT MIX ASPHALT RESURFACING The surface to be sprayed with primer (\$560), A 6.7mm continuous fine asphalt mix with a temperature not less than 1000C to be laid maintaining a thickness of 40mm after compaction including sealant. The completed surface to be carefully inspected for rough or low spots, surface irregularities, untidy edges, incomplete compaction or other faults and these will need to be rectified. Cutting, Scarify and removal of old tar surfaces Apply tack coat	Unit m²	Quantity Quantity 7800	•	Amount
Item	HOT MIX ASPHALT RESURFACING The surface to be sprayed with primer (SS60), A 6.7mm continuous fine asphalt mix with a temperature not less than 1000C to be laid maintaining a thickness of 40mm after compaction including sealant. The completed surface to be carefully inspected for rough or low spots, surface irregularities, untidy edges, incomplete compaction or other faults and these will need to be rectified. Cutting, Scarify and removal of old tar surfaces	<u>Unit</u>	7800 7800	Rate	Amount
1 1	BILL NO.11 HOT MIX ASPHALT RESURFACING The surface to be sprayed with primer (\$560), A 6.7mm continuous fine asphalt mix with a temperature not less than 1000C to be laid maintaining a thickness of 40mm after compaction including sealant. The completed surface to be carefully inspected for rough or low spots, surface irregularities, untidy edges, incomplete compaction or other faults and these will need to be rectified. Cutting, Scarify and removal of old tar surfaces Apply tack coat	Unit m²	7800 7800	•	Amount
1 1	BILL NO.11 HOT MIX ASPHALT RESURFACING The surface to be sprayed with primer (\$560), A 6.7mm continuous fine asphalt mix with a temperature not less than 1000C to be laid maintaining a thickness of 40mm after compaction including sealant. The completed surface to be carefully inspected for rough or low spots, surface irregularities, untidy edges, incomplete compaction or other faults and these will need to be rectified. Cutting, Scarify and removal of old tar surfaces Apply tack coat	Unit m²	7800 7800	Rate	Amount
1 1 2	HOT MIX ASPHALT RESURFACING The surface to be sprayed with primer (SS60), A 6.7mm continuous fine asphalt mix with a temperature not less than 1000C to be laid maintaining a thickness of 40mm after compaction including sealant. The completed surface to be carefully inspected for rough or low spots, surface irregularities, untidy edges, incomplete compaction or other faults and these will need to be rectified. Cutting, Scarify and removal of old tar surfaces Apply tack coat 40mm thick after compaction hot mix asphalt resurfacing laid as per manufactures specification	Unit m² m² m²	Carried t Quantity 7800 7800 Carried t	Rate Rate	
1 1 2	BILL NO.11 HOT MIX ASPHALT RESURFACING The surface to be sprayed with primer (SS60), A 6.7mm continuous fine asphalt mix with a temperature not less than 1000C to be laid maintaining a thickness of 40mm after compaction including sealant. The completed surface to be carefully inspected for rough or low spots, surface irregularities, untidy edges, incomplete compaction or other faults and these will need to be rectified. Cutting, Scarify and removal of old tar surfaces Apply tack coat 40mm thick after compaction hot mix asphalt resurfacing laid as per manufactures specification Description BILL NO. 12	Unit m² m² m²	Carried t Quantity 7800 7800 Carried t	Rate Rate	
1 1 2	HOT MIX ASPHALT RESURFACING The surface to be sprayed with primer (SS60), A 6.7mm continuous fine asphalt mix with a temperature not less than 1000C to be laid maintaining a thickness of 40mm after compaction including sealant. The completed surface to be carefully inspected for rough or low spots, surface irregularities, untidy edges, incomplete compaction or other faults and these will need to be rectified. Cutting, Scarify and removal of old tar surfaces Apply tack coat 40mm thick after compaction hot mix asphalt resurfacing laid as per manufactures specification	Unit m² m² m²	Carried t Quantity 7800 7800 Carried t	Rate Rate	
1 1 2	BILL NO.11 HOT MIX ASPHALT RESURFACING The surface to be sprayed with primer (SS60), A 6.7mm continuous fine asphalt mix with a temperature not less than 1000C to be laid maintaining a thickness of 40mm after compaction including sealant. The completed surface to be carefully inspected for rough or low spots, surface irregularities, untidy edges, incomplete compaction or other faults and these will need to be rectified. Cutting, Scarify and removal of old tar surfaces Apply tack coat 40mm thick after compaction hot mix asphalt resurfacing laid as per manufactures specification Description BILL NO. 12	Unit m² m² m²	Carried t Quantity 7800 7800 Carried t	Rate Rate	
1 1 2	BILL NO.11 HOT MIX ASPHALT RESURFACING The surface to be sprayed with primer (\$560), A 6.7mm continuous fine asphalt mix with a temperature not less than 1000C to be laid maintaining a thickness of 40mm after compaction including sealant. The completed surface to be carefully inspected for rough or low spots, surface irregularities, untidy edges, incomplete compaction or other faults and these will need to be rectified. Cutting, Scarify and removal of old tar surfaces Apply tack coat 40mm thick after compaction hot mix asphalt resurfacing laid as per manufactures specification Description BILL NO. 12 PLASTERING	Unit m² m² m²	Carried t Quantity 7800 7800 Carried t	Rate Rate	
1 1 2	BILL NO.11 HOT MIX ASPHALT RESURFACING The surface to be sprayed with primer (SS60), A 6.7mm continuous fine asphalt mix with a temperature not less than 1000C to be laid maintaining a thickness of 40mm after compaction including sealant. The completed surface to be carefully inspected for rough or low spots, surface irregularities, untidy edges, incomplete compaction or other faults and these will need to be rectified. Cutting, Scarify and removal of old tar surfaces Apply tack coat 40mm thick after compaction hot mix asphalt resurfacing laid as per manufactures specification Description BILL NO. 12 PLASTERING SUPPLEMENTARY PREAMBLES Preparatory work for textured finishes:	Unit m² m² m²	Carried t Quantity 7800 7800 Carried t	Rate Rate	
1 1 2	BILL NO.11 HOT MIX ASPHALT RESURFACING The surface to be sprayed with primer (\$560), A 6.7mm continuous fine asphalt mix with a temperature not less than 1000C to be laid maintaining a thickness of 40mm after compaction including sealant. The completed surface to be carefully inspected for rough or low spots, surface irregularities, untidy edges, incomplete compaction or other faults and these will need to be rectified. Cutting, Scarify and removal of old tar surfaces Apply tack coat 40mm thick after compaction hot mix asphalt resurfacing laid as per manufactures specification Description BILL NO. 12 PLASTERING SUPPLEMENTARY PREAMBLES Preparatory work for textured finishes: Textured finishes to be applied to plaster (plaster elsewhere)	Unit m² m² m²	Carried t Quantity 7800 7800 Carried t	Rate Rate	
1 1 2	BILL NO.11 HOT MIX ASPHALT RESURFACING The surface to be sprayed with primer (SS60), A 6.7mm continuous fine asphalt mix with a temperature not less than 1000C to be laid maintaining a thickness of 40mm after compaction including sealant. The completed surface to be carefully inspected for rough or low spots, surface irregularities, untidy edges, incomplete compaction or other faults and these will need to be rectified. Cutting, Scarify and removal of old tar surfaces Apply tack coat 40mm thick after compaction hot mix asphalt resurfacing laid as per manufactures specification Description BILL NO. 12 PLASTERING SUPPLEMENTARY PREAMBLES Preparatory work for textured finishes:	Unit m² m² m²	Carried t Quantity 7800 7800 Carried t	Rate Rate	
1 1 2	BILL NO.11 HOT MIX ASPHALT RESURFACING The surface to be sprayed with primer (\$560), A 6.7mm continuous fine asphalt mix with a temperature not less than 1000C to be laid maintaining a thickness of 40mm after compaction including sealant. The completed surface to be carefully inspected for rough or low spots, surface irregularities, untidy edges, incomplete compaction or other faults and these will need to be rectified. Cutting, Scarify and removal of old tar surfaces Apply tack coat 40mm thick after compaction hot mix asphalt resurfacing laid as per manufactures specification Description BILL NO. 12 PLASTERING SUPPLEMENTARY PREAMBLES Preparatory work for textured finishes: Textured finishes to be applied to plaster (plaster elsewhere) All surfaces are to be inspected and approved by Prasa representative before any work is	Unit m² m² m²	Carried t Quantity 7800 7800 Carried t	Rate Rate	

ı			1		П
	Duisea and to include for all priming proposed money, at				
	Prices are to include for all priming, preparatory work, etc				
	One coat wood trowelled smooth cement plaster on brickwork				
	, , , , , , , , , , , , , , , , , , ,				
1	On walls	m²	50		
	i e e e e e e e e e e e e e e e e e e e				
2	On narrow widths	m²	10		
			Comicala	- f:1	
			Carried t	o final summary	<u> </u>
Item	Description	Unit	Quantity	Rate	Amount
icciii	<u> </u>	<u> </u>	Quantity	<u>nace</u>	Amount
	BILL NO. 13				
	TILING				
	1				
	SUPPLEMENTARY PREAMBLES				
	Items, materials or methods to be used specified by trade names or catalogue numbers are only				
	indicated of the quality required. Items, materials or methods of similar quality may be used with prior				
	approval from the Project Manager				
	··				
	WALL TILING				
	_				
	600 x 600mm Full Bodied Polished Porcelain tiles, fixed to internal wall plaster backing with TAL tile				
	adhesive (elsewhere specified) mixed with TAL bonding liquid in lieu of water with joints continuous in both directions and grouted with TAL tile grout (elsewhere specified), excess grout on the surface				
	to be cleaned with water as work proceeds.				
1	On walls	m²	10		
	Full bodied porcelain tiles, size 600 x 600mm x 10mm fixed to internal floor screed with TAL tile				
	adhesive (elsewhere specified) mixed with TAL bonding liquid in lieu of water with diagonal joints				
	continuous in both directions and grouted with TAL tile grout, excess grout on the surface to be cleaned with water as work proceeds.				
	cleaned with water as work proceeds.				
2	On floors	m²	10		
	· · · · ·				
			Carried t	o final summary	
<u>Item</u>	<u>Description</u>	<u>Unit</u>	Quantity	<u>Rate</u>	<u>Amount</u>
	BILL NO. 14				
	DROVISIONAL SUM				-
	PROVISIONAL SUM				
	Allow for provisional sum of R100,000.00 (One hundred thousand) to be used upon				
	instruction in writing by the Project Manager, who may decide that the sum may be expended				
1	or used in whole or in part in favour of any person or not at all	Sum			R100,000.00
	···				
			Carried t	o final summary	<u> </u>

FINAL SUMMARY

1	Preliminary and Generally		
2	Concrete work		
	·		
3	Roof Covering		
4	Carpentry and and Joiney		
5	Ceiling work		
6	Iron Mongery		
7	Plumbing work		R
8	Metal work		R
9	Glazing		R
10	Paint work		R

11	Resurfacing				R	
	·					
12	Plastering				R	
13	Tiling				R	
	_					
14	Provisional Sum				R	
				SUB TOTAL	R	
				ADD VAT @ 15%	R	
			TOTA	L TENDER AMOUNT	R	

FINAL SUMMARY STATION REFURBISHMENT AT VEREENIGING STATION

1	PRELIMINARY AND GENERAL	SECTION No.1			R
2	CIVIL AND GENERAL BUILDING WORK AT MIDWAY STATION	SECTION No.2			R
				SUB TOTAL	R
				ADD VAT @ 15%	R
			TOTA	L TENDER AMOUNT	R