

SCHEDULE OF QUANTITIES

UPGRADING AT MIDWAY SIGNAL DEPOT

SECTION A

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UPGRADE OF MIDWAY SIGNAL CABIN - SECTION B

PRASA SHALL NOT TAKE ANY RESPONSIBILTY FOR CONTRACTOR'S STAFF, EQUIPMENT, MATERIAL OR MACHINES USED ON PRASA PROPERTY WHILE PROJECT IS IN PROGRESS

Item	Description	Unit	Qty	Rate	Amt
	BILL NO 1			R	R
	ALTERATIONS (PROVISIONAL)				
	REMOVAL OF EXISTING WORK				
	Carefully breaking down and removing brickwork and partitioning etc.				
1	One brick wall	m ²	30	R	R
2	Partition wall	m ²	40	R	R
	Taking out and removing piping, sanitary fittings, etc. including disconnection piping from fittings				
3	Pan and cistern	Item	8	R	R
4	Kitchen sink cabinet	Item	3	R	R
5	Ceramic wash hand basin	Item	4	R	R
6	0.15 x 0.15m high box gutter including down pipes	m	88	R	R
7	0.25 x 0.2m high box gutter including down pipes	m	80	R	R
8	50mm uPVC piping including fittings and brackets	m	12	R	R
	Taking out and removing doors including ironmongery and steel frame from walls				
9	Timber single door and frame 813 x 2032mm high	Item	6	R	R
	Taking out and removing floor covering				
10	Vinyl tile/ceramic floor covering/mosaic floor tile/skirting including preparing screed to receive new floor tiling	m ²	180	R	R
	Hacking up/off and removing ceramic wall tile				
11	Tiles to walls	m ²	35	R	R
	Taking up and removing ceiling				
12	Rhino board ceilings including cornices, brandering, jointing strips, etc	m ²	40	R	R
	Taking out and removing glass from steel window frame				

13	Clear glass from steel window frames including cleaning out rebates and preparing for new glass	m ²	5	R	R
	Taking out and removing glazed steel window frame				
14	Glazed still window 2000 x 2000mm high from one brick wall	Item	4	R	R
	Taking out and removing Fascia and barge board				
15	Fascia and barge board not exceeding 300mm girth	m	60	R	R
	Clean down existing face brick façade, painted walls, etc. with water and brush				
16	External face brick walls	m²	250	R	R
					R
	BILL NO 2				
	CARPENTRY AND JOINERY				
	DOORS				
	44mm thick interior grade flush solid core timber single door with 3 mm thick commercial ply on both sides with consolidated edges fitted and complying with SABS 545 in pressed steel frame. All painted in accordance with architects colour schedule.				
1	813 x 2032 x 44mm single interior leaf solid core	Item	12	R	R
	44mm thick exterior 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				
2	813 x 2032 x 44mm single exterior leaf solid core	Item	6	R	R
	FITTINGS				
	The following in modular timber cupboards, counters, duty stations, desk etc. as per Cupboard Connections Specification				
	Carcasses of 16mm thick particle board with both faces white melamine with white Masonite backs. Shelving of 16mm particle board, both faces white melamine and front edge in white PVC. Doors of 16mm particle board with post formed vertical edges and laminated in Renolit. Tops of 32mm particle board with post formed leading edges and laminated in high pressure decorative laminate. All butt edges and edges against walls to be sealed with silicon sealant. Hinges to be "Hettich". Drawer runners to be metal 500mm series with nylon runners or similar. All units complete with door, handles, hinges, cupboards, door, locks, barrel bolts and shelves. Floor unit complete with kick plates. (Formica tops measured elsewhere)				

		1	1	1	1
	Built in cupboards fittings				
	Kitchen sink floor cupboard 3000 x 600 x 900mm high				
	with sides, bottom, back, 3 hinged doors and one drawer				
	completely working including handles, etc. top and sink				
3	measured else where	Item	3	R	R
	Grocery cabinet				
	2.1m high x 0.5m wide x 0.6m 3 lockable separated				
4	parking compartment including locks and handles	Item	2	R	R
	Change room cabinet				
	Locker to combines steel body with supawood beech				
	veneer doors. Locker body to be epoxy coated and				
	oven baked for superior finish with grey colour				
	Standard body.				
	1800mm high x 450mm width x 500mm depth 2 door				
_	lockable lockers completely with heavy duty hinges and locks	Itom	15	Ь	D
5		Item	15	R	R
	Single sided Locker bench unit			1	
	Manufactured in angle iron (40x40x5mm), square				
	(50x50x1.2mm or round tubing (50x1.2mm) heavy				
	duty galvanized powder coated steel frame, with6x70mm wide x 32mm thick Meranti slats,				
	Electroplating powder coating legs and Adjustable				
	feet and base plates				
	400mm high x 1000mm width x 1500mm long single				
6	sided locker bench unit	Item	5	R	R
	CANTEEN BENCH UNIT				
	Legs manufactured with 75 x 75 mm square tubing,				
	1100mm wide x 280mm depth x 400mm high steel				
	sheet seat, and table width of 1100 x 1100 x 700. All				
	steel thickness to be 1.6mm thick galvanized powder				
	coated with 70mm Oak hardwood for seats and				
	tabletop finish			+	
7	1960 wide x 1960mm depth 4 legs canteen bench unit	Item	2	R	R
		1.0111		'	
	COUNTERTOP			1	
8	Wrought hardwood to cupboards, etc.			<u> </u>	
	19 x 70mm cleats	m	25	R	R
	10 50 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
9	19 x 50mm cleats fixed for worktop support	m	25	R	R
	Interior type particle board with Formica veneer				
	900 x30mm thick granite with all exposed edges large				
	bevel edged, fixed to supports using dabs of 100% black				
	silicone adhesive along all supports with all joints filled				
	with matching polyester resin glue. Granite surface to be				
10	sealed using an approved stone sealer, all in accordance	14			
10	with the manufacturer's recommendations.	Item	3	R	R
11	2mm thick edge strip 32mm wide	m	25	R	R
— • • • • • • • • • • • • • • • • • • •	Cut 50mm work top to fit end bowl sink, measured else	111	23	11	11
12	where	Item	3	R	R
	1	1.0111		1 ' '	1 13

	Nutae fibre coment				
	Nutec fibre cement 3000 x 10 x 300mm fascia boards including PVC H-				
13	Profile fascia board joiner	m	40	R	R
	3000 x 10 x 300mm barge boards including PVC H-				
14	Profile barge board joiner	m	20	R	R
	Glazed shower doors				
				_	
15	Tri-slider patterned obscure glazed shower door	Item	12	R	R
16	800 – 1020mm x 4mm tick obscure pivot shower door	Item	6	R	R
	·				
	Skirting				
17	20 x 120mm solid meranti skirting	m	200	R	R
					_
					R
	BILL NO 3				
	CEILING WORK				
	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 6.4mm "Rhino" gypsum plaster board with H-Type				
	pressed steel jointing strips				
	Ceiling including 38 x 38mm sawn softwood brandering				_
1	at 450mm centres	m ²	180	R	R
	Extra over ceiling for 800 x 800mm trap door of 38 50mm wrought softwood rebated framing with one 38 x 38mm				
	sawn softwood cross brander covered with ceiling board				
2	and fitted flush in opening	Item	4	R	R
	"Rhino" gypsum plasterboard cornice				
3	75mm coved cornices	m ²	120	R	R
					R
	BILL NO 4				
	IRONMONGERY				
	LOCKS				
	100110				
1	3 liver union lock with handles	Item	15	R	R
2	Ultra-security heavy duty locks	Item	5	R	R

	Stainless Steel Toilet Cubicle Indicator bolt & lock set, Grade 304Stainless Steel indicator bolt fixed to surface				
3	with matching stainless-steel screws.	Item	10	R	R
	Satin stainless steel toilet roll holders for 2 rolls with	110111		1 (
	central shaft system and cylinder lock, plugged and				
	screwed to the wall with stainless steel screws. (vandal				
4	resistant)	Item	8	R	R
	SIGNAGE				
	External signage				
	500 x 150mm High double-sided ceiling mounted				
	directional sign anodized aluminium female and male ablutions pictogram door sign, suspended from ceiling				
	grids with brass chains. Minimum of 2,1m above finished				
5	floor level.	Item	6	R	R
					R
	DILL NO 5				
	BILL NO 5			1	
	TILING	<u> </u>			
	Prices:				
	Prices. Prices are to include for all square cutting and waste,				
	cleaning off on completion and protection from				
	injury. Areas are measured net to face of brickwork				
	and concrete. Any additional area caused by the				
	thickness of tiling and screed are to be allowed for in				
	prices				
	FLOOR TILING				
	600x600mm Full Bodied polished Porcelain tiles with				
	3mm grouting lines				
1	On floors	m ²	600	R	R
	300x300x6mm Full Bodied polished Porcelain mosaic				
	tiles with 3mm grouting lines				
2	On floors	m 2	25	D	D
2	On floors	m ²	35	R	R
	WALL TILING				
	Matt Full Bodied Porcelain tiles, size 600 x 300mm x				
	12mm fixed to internal wall plaster backing with TAL				
	tile adhesive mixed with TAL bonding liquid in lieu of				
	water with joints continuous in both directions and				
	grouted with TAL tile grout, excess grout on the surface to be cleaned with water as work proceeds.				
	Surface to be cleaned with water as work proceeds.			1	
3	On walls	m ²	120	R	R
	300x300x6mm Full Bodied polished Porcelain mosaic				
	tiles with 3mm grouting lines				
4	On walls	m ²	30	R	R
					R

		Ī			
В	SILL NO 6				
	LUMBING WORK				
	ANITARY FITTINGS 'aal Sanitary ware Hibiscus vitreous china close coupled				
SI	uite colour White, comprising 90° outlet open rim pan				
	with matching 9 litre front single flush cistern including lid	Itom	0	D	D
	nd fitments and Jazz Thermoset seat. 'aal Sanitary ware Hibiscus vitreous china lavatory basin	Item	8	R	R
C	olour White, size 510 x 405mm with two tap hole				
	ocluding integrated overflow and chain stay hole bolted wall with two x 10mm bolts and including Classic floor				
	nounted pedestal and sealed with silicone sealant where				
	asin meets wall.	Item	6	R	R
	op entry ceramic urinal basin with Junior flush master xposed chrome flush valve including flush pipe,				
	preader, etc.	Item	4	R	R
W	VASTE UNINON ETC				
	WASTE STRINGT ETS				
4 B	ath and Basin waste, plug, chain, stay and backnut	Item	10	R	R
Т	RAPS ETC				
	65/40 CP bottle trap 40 x 40 INC CP/PVC adaptor to				
5 40	0mm	Item	11	R	R
6 3	8mm sink "P" trap	Item	9	R	R
7 B	rass shower P trap with square ss grating	Item	7	R	R
9	INK, BASIN, ETC				
	0Mm Bsw 1200x500x180mm double bowl Kitchen				
8 st	tainless steel sink	Item	3	R	R
Т.	APS, VALVES, ETC				
9 K	itchen sink Mixer taps	Item	3	R	R
9 1	ittilett sitik Mixet taps	пеш	3	IX	IX
10 P	ush button pillar tap for hot and cold water	Item	17	R	R
11 F	lexi connector	Item	12	R	R
	5 Mini Ball Valve lingle function vandal resistant shower head including	Item	12	R	R
	hower arm, stainless steel polished body	Item	7	R	R
14 C	Chrome plated Shower tap mixer	Item	7	R	R
15 2:	2mm Brass Gate Valve	Item	5	R	R
16 60	00kpa pressure control valve	Item	3	R	R

		I			
17	Relieve/safety valve	Item	6	R	R
18	Vacuum breaker	Item	6	R	R
19	Drain cock	Item	3	R	R
	0.8mm galvanized sheet iron				
20	125 x 100mm eaves gutter	m	50	R	R
21	Extra over 125 x 100mm eaves gutter for stopped end	Item	8	R	R
22	Extra over 125 x 100 eaves gutter for angle	Item	10	R	R
23	Extra over 125 x 100mm eaves gutter for outlet for 100 x 75mm pipe	Item	10	R	R
24	100 x 75mm rainwater pipes	m	25	R	R
25	Extra over 100 x 75mm rainwater pipe for shoe	Item	10	R	R
	0.9mm galvanized sheet iron				
26	250 x 200mm industrial eaves gutter including heavy duty brackets fixed at 500mm centers	m	40	R	R
27	Extra over 250 x 200mm eaves gutter for stopped end	Item	4	R	R
28	Extra over 250 x 200 eaves gutter for angle	Item	6	R	R
29	Extra over 125 x 100mm eaves gutter for outlet for 300mm pipe	Item	6	R	R
30	300mm rainwater pipes	m	25	R	R
31	Extra over 300mm rainwater pipe for shoe	Item	6	R	R
	Extra over PVC pipes for fittings				
32	110mm pan connector	Item	10	R	R
	WATER SUPPLIERS				
	Class "O" copper pipe				
33	15mm pipes chased into brick walls	m	50	R	R
34	22mm pipes	m	30	R	R
35	22mm pipes chased into brick walls and make good	m	50	R	R
	Extra over class "O" copper pipes for capillary fittings				
36	15mm fitting	Item	15	R	R
37	15mm Tee	Item	15	R	R

15mm bend	Item	5	R	R
22mm fitting	Item	20	R	R
22mm Tee	Item	15	R	R
22mm bend	Item	5	R	R
				R
BILL NO 7				
GLAZING				
GLAZING TO ALUMINIUM WITH CLIP ON BEADS				
4mm patterned glass				
Panes exceeding 0.1m ² and 0.5 m ²	m²	10	R	R
4mm clear float glass				
Panes exceeding 0.1m ² and 0.5 m ²	m ²	5	R	R
MIRROR				
6.5mm silvered 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				
Mirror 600 x 1200mm high with four screws	Item	8	R	R
				R
BILL NO 8				
METAL WORK				
SECURITY GATES				
Supply and install Burglar door				
815 x 2100mm high Heavy duty Burglar door and frame with 16mm steel round har and 40 x 40 x 2 5mm square				
tubing as per attached drawing for single door	Item	5	R	R
STEEL ROLLER SHUTTERS				
shutter for maximum opening 3000 x 3000mm high				
4.5mm end plates, closed shaft and 2 x slidebolts,				
extruded with Aluminium Tbar & Astragal rubber				
coated components incl. door curtain, end plates,				
	22mm Tee 22mm bend BILL NO 7 GLAZING GLAZING TO ALUMINIUM WITH CLIP ON BEADS 4mm patterned glass Panes exceeding 0.1m² and 0.5 m² 4mm clear float glass Panes exceeding 0.1m² and 0.5 m² MIRROR 6.5mm silvered 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 Mirror 600 x 1200mm high with four screws BILL NO 8 METAL WORK SECURITY GATES Supply and install Burglar door 815 x 2100mm high Heavy duty Burglar door and frame with 16mm steel round bar and 40 x 40 x 2.5mm square tubing as per attached drawing for single door STEEL ROLLER SHUTTERS Roll-Up solid galvanised, SABS 1461, & epoxy coated M/S manually hand chain operated push-up roller shutter for maximum opening 3000 x 3000mm high with standard bottom rail, 75 x 0.8mm thick endlocked slats, 120mm extra-wide tamper proof guides, 4.5mm end plates, closed shaft and 2 x slidebolts, extruded with Aluminium Tbar & Astragal rubber weather seal. Including galv. cover box and powder	22mm fitting 22mm Tee Item 22mm bend Item BILL NO 7 GLAZING GLAZING GLAZING TO ALUMINIUM WITH CLIP ON BEADS 4mm patterned glass Panes exceeding 0.1m² and 0.5 m² m² 4mm clear float glass Panes exceeding 0.1m² and 0.5 m² m² MIRROR 6.5mm silvered 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 Mirror 600 x 1200mm high with four screws BILL NO 8 METAL WORK SECURITY GATES Supply and install Burglar door 815 x 2100mm high Heavy duty Burglar door and frame with 16mm steel round bar and 40 x 40 x 2.5mm square tubing as per attached drawing for single door STEEL ROLLER SHUTTERS Roll-Up solid galvanised, SABS 1461, & epoxy coated M/S manually hand chain operated push-up roller shutter for maximum opening 3000 x 3000mm high with standard bottom rail, 75 x 0.8mm thick end-locked slats, 120mm extra-wide tamper proof guides, 4.5mm end plates, closed shaft and 2 x slidebolts, extruded with Aluminium Tbar & Astragal rubber weather seal. Including galv. cover box and powder	22mm fitting	22mm fitting

	saver have guides 9 T have Dear fixed to brick				
	cover box, guides & T-bar. Door fixed to brick,				
	concrete or structural steel jambs and concrete or				
	steel lintel over. Contractor to provide cavity of				
	160mm x 120mm for recessing guides				
	Manual hand chain Push-up Roller Shutters, for				
2	openings not exceeding 3000mm x 2500mm high.	Item	3	R	R
	Supply and install Burglar windows				
	600mm W x 600mm H Box windows guard constructed				
	with 5mm of expanded metal and 50 x 50 x 6mm equal			R	R
3	angles.	Item	4		
	1200mm W x 600mm H Box windows guard constructed				
	with 5mm of expanded metal and 50 x 50 x 6mm equal			R	R
4	angles.	Item	3		
	1500mm W x 900mm H Box windows guard constructed				
	with 5mm of expanded metal and 50 x 50 x 6mm equal			R	R
5	angles.	Item	5		
	FENCING AND GATES	110111			
	I ENGING AND GATEG				
	CLEAR VIEW FENCING				
	2500mm Panel Height, 2515mm Panel Width, 4.0mm		 		
	Vertical Wire Dia, 3.15mm Horizontal				
	Wire Dia, 72x72x2mm Post Section, 2400mm Post				
	Length, 4 Bends, 16 Clamps, 33.00kgs Panel Weight				
	and 9.50kgs Upright weight	-			
6	Supply and erect 2.5 m high galvanized clear view		400	D	l D
6	fencing as per specification	m	400	R	R
	Supply and fit – heavy duty gate, with heavy duty				
	industrial motor which allows to be operated manually				
_	also., allow all necessary fittings to be installed to the		١,	_	
7	total completion of the job. 6m x 2.5m high	Item	1	R	R
					R
	BILL NO 9				
	DILL NO 3		-		
	PAINTWORK				
	For preambles see "Model Preambles for Trades" 2008		<u> </u>		
	edition published by the Association of South African				
	Quantity Surveyors				
	Quality Ourveyors				
	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				

			Τ		
	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				
	acrylic paint				
1	On plastered walls	m ²	390	R	R
	One coat professional plaster primer and two coats				
	contractors White Gloss Enamel		1		
_	On systems and decomposite as	2	00	_	
2	On gutters and downpipes	m ²	80	R	R
3	On fascia and barge boards	m ²	60	R	R
	One coat professional plaster primer and two coats		00	IX.	IX .
	contractors Brick and Slasto Dressing/Brick seal				
	3				
	ON WOOD				
	One coat wood primer, one Universal Undercoat and				
	two coats PRASA Brown				
		2			
4	On Doors	m ²	70	R	R
	Sand with abrasive paper, leaving surface dry, clean				
	and dust free. Wash knots and resinous areas with				
	Lacquer Thinners (ILS 1) and coat with Woodcare Knot Seal (PK 2) and apply one coat of Dulux or				
	Plascon Woodcare Pretreatment (WWP 1),				
	overcoated within 48 hours with a moisture content				
	of BD 2 scale (A1-A5) < 14% or less. Prime with one				
	coat Varnish with an overcoating time of 6 hours and				
	finish with two coats Varnish with 6 hours drying				
	time between coats.				
	ON METAL				
	One coat zinc chromate primer, one Undercoat and				
	two coats Professional Gloss Enamel		1		
	On rails, bars, handrails, steel work, window frames, door				
	frames, burglar gates and window, gates, gutters and	2	140	_	
6	down pipes	m ²	110	R	R
	One coat zinc chromate primer, one Undercoat and two coats Chromadek Prasa Kingfisher Blue suitable				
	for roof				
	10.1001				
7	On roofs	m ²	400	R	R
-		1	100		
	PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK				
	Surface preparation and apply two coats acrylic paint				
8	On ceiling and cornices	m ²	400		
U	On coming and connects	1 111	1 -100	l	

	1		T 5	1.5
			K	R
ON WOOD				
	-			
Brown				
On Doors	m ²	50	R	R
ON METAL				
One coat zinc chromate primer, one Undercoat and two coats Professional Gloss Enamel				
On rails, bars, handrails, steel work, window frames, door frames, burglar gates and window, gates, gutters and				
	m ²	50	R	R
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 interior quality Prasa neutral				
On internal walls	m ²	320	R	R
				R
BILL NO 10				
WATERPROOFING				
Waterproofing to roofs				
Roll top ridging and corrugated roof sheeting	m ²	400	R	R
applicable guarantee of five years Applied to bolt heads and lap joints applied as per manufactures specification				
completion			R	R
Roof paint	m ²	400		
				R
BILL NO 11				
BLINDS				
25mm aluminium venetian blinds including brackets and				
	Itom	1	P	R
	ILEIII	4	IV.	IX
mounting accessories to fit 1500 x 900mm high window				
opening, measurements to be fully verified at the depot	Item	12	R	R
	Item	8	R	R
speciming, measurements to be rany vermed at the depot				
1	1	1		R
	On Doors ON METAL One coat zinc chromate primer, one Undercoat and two coats Professional Gloss Enamel On rails, bars, handrails, steel work, window frames, door frames, burglar gates and window, gates, gutters and down pipes 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 interior quality Prasa neutral On internal walls BILL NO 10 WATERPROOFING Waterproofing to roofs Preparation of surfaces including replacing of worn nails, Roll top ridging and corrugated roof sheeting Polyester Membrane or any other approved with the applicable guarantee of five years Applied to bolt heads and lap joints applied as per manufactures specification and certificate of 5-year guarantee submitted after completion Roof paint BILL NO 11 BLINDS 25mm aluminium venetian blinds including brackets and mounting accessories to fit 2000 x 1300mm high window opening, measurements to be fully verified at the depot. 25mm aluminium venetian blinds including brackets and mounting accessories to fit 1500 x 900mm high window	Surface preparation and apply two coats PRASA Brown On Doors On METAL One coat zinc chromate primer, one Undercoat and two coats Professional Gloss Enamel On rails, bars, handrails, steel work, window frames, door frames, burglar gates and window, gates, gutters and down pipes 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 interior quality Prasa neutral On internal walls Materproofing to roofs Preparation of surfaces including replacing of worn nails, Roll top ridging and corrugated roof sheeting Polyester Membrane or any other approved with the applicable guarantee of five years Applied to bolt heads and lap joints applied as per manufactures specification and certificate of 5-year guarantee submitted after completion Roof paint BILL NO 11 BLINDS 25mm aluminium venetian blinds including brackets and mounting accessories to fit 2000 x 1300mm high window opening, measurements to be fully verified at the depot. 25mm aluminium venetian blinds including brackets and mounting accessories to fit 1500 x 900mm high window opening, measurements to be fully verified at the depot. 25mm aluminium venetian blinds including brackets and mounting accessories to fit 600 x 600mm high window opening, measurements to be fully verified at the depot. 25mm aluminium venetian blinds including brackets and mounting accessories to fit 600 x 600mm high window	Surface preparation and apply two coats PRASA Brown On Doors On Doors ON METAL One coat zinc chromate primer, one Undercoat and two coats Professional Gloss Enamel On rails, bars, handrails, steel work, window frames, door frames, burglar gates and window, gates, gutters and down pipes 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 interior quality Prasa neutral On internal walls Materproofing to roofs Preparation of surfaces including replacing of worn nails, Roll top ridging and corrugated roof sheeting Polyester Membrane or any other approved with the applicable guarantee of five years Applied to bolt heads and lap joints applied as per manufactures specification and certificate of 5-year guarantee submitted after completion Roof paint BILL NO 11 BLINDS 25mm aluminium venetian blinds including brackets and mounting accessories to fit 2000 x 1300mm high window opening, measurements to be fully verified at the depot. 25mm aluminium venetian blinds including brackets and mounting accessories to fit 1500 x 900mm high window opening, measurements to be fully verified at the depot. 25mm aluminium venetian blinds including brackets and mounting accessories to fit 1500 x 900mm high window opening, measurements to be fully verified at the depot. 25mm aluminium venetian blinds including brackets and mounting accessories to fit 600 x 600mm high window	Surface preparation and apply two coats PRASA Brown On Doors M** 50 R ON METAL One coat zinc chromate primer, one Undercoat and two coats Professional Gloss Enamel On rails, bars, handrails, steel work, window frames, door frames, burglar gates and window, gates, gutters and down pipes 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 interior quality Prasa neutral On internal walls M** 320 R BILL NO 10 WATERPROOFING Waterproofing to roofs Preparation of surfaces including replacing of worn nails, Roll top ridging and corrugated roof sheeting Polyester Membrane or any other approved with the applicable guarantee of five years Applied to bolt heads and lap joints applied as per manufactures specification and certificate of 5-year guarantee submitted after completion Roof paint BILL NO 11 BLINDS Simm aluminium venetian blinds including brackets and mounting accessories to fit 2000 x 1300mm high window opening, measurements to be fully verified at the depot. 25mm aluminium venetian blinds including brackets and mounting accessories to fit 1500 x 900mm high window opening, measurements to be fully verified at the depot. 25mm aluminium venetian blinds including brackets and mounting accessories to fit 600 x 600mm high window opening, measurements to be fully verified at the depot. 25mm aluminium venetian blinds including brackets and mounting accessories to fit 600 x 600mm high window opening, measurements to be fully verified at the depot.

	BILL NO 12				
	ELECTRICAL				
1	PV Modules	Item	54	R	R
'	Supply and fit PV Modules. Minimum: Peak power 300 Watts each PV modules to be fitted atop galvanized roof sheets such that maximum solar radiation is absorbed by solar panel. Include all brackets, cables, lugs and ferrules as per manufacturer's specifications.	nem	04	K	K
2	Inverter	Item	2	R	R
_	Supply and fit Minimum: 8000-Watt inverter. Nominal DC 48V. Output voltage 230VAC 50Hz at 8000 Watts. Include all relevant cables, lugs and ferrules as per manufacturer's specifications. Inverters to be connected in parallel.				
3	Batteries	Item	4	R	R
	Supply and fit 48V 100AH deep cycle Lithium-Ion battery pack. Include all relevant cables, lugs and ferrules as per manufacturer's specifications.				
4	(Smart LED Solar Street lights with integrated Lithium Ion Battery and timer and mounting bracket) Supply and fit single unit Smart LED Solar Street lights with integrated Lithium Ion Battery and timer. Timer to be set for 100% illumination from 4h30 to 7h00. Lights off from 7h00 to 17h00. And then 100% illumination from 17h00 to 21h00. From 21h00 to 4h30 50% illumination. Solar lighting at minimum 3000 lumens per unit Integrated Battery pack Lithium Ion Protection Rating IP 65 Mounting bracket to conform to manufacturer's specifications Smart LED solar lamp to include all electrical protection in a single unit. Smart Solar lamps to be fitted to existing poles/ structures on site.	Item	8	R	R
5	Disconnect existing electrical geysers and aircons	Item	1	R	R
	•				
6	Remove fluorescent tubes and dispose	Item	400	R	R
7	Supply and fit 4-foot LED tubes. Re-wire existing	Item	400		
	fluorescent fitting to LED standard.	14 =	4	R	R
8	(Test, certify and guarantee) Ensure power is restored. Ensure lights working. All relevant testing completed and certified. Prasa shall require a 12 month guarantee on all parts and workmanship	Item	1	R	R
					R
		L	l	L	13

FINAL SUMMARY

	STATION NAME	PAGE	AMOUNT	
1	Alterations	3 to 4	R	_
2	Carpentry and Joinery	4 to 6	R	-
3	Ceiling	6	R	-
4	Ironmongery	6 to 7	R	-
5	Tiling work	7	R	-
6	Plumbing work	8 to 9	R	-
7	Glazing	10 to 11	R	-
8	Metal work	11 to 13	R	-
9	Painting work	13	R	-
10	Waterproofing	13	R	-
11	Electrical	14	R	-
	FINAL SUMMARY OF MIDWAY SIGNAL CABIN - SECTION A			
	SALIN SECTION A	SUB TOTAL	R	-
		ADD VAT @ 15%	R	-
		TOTAL	R	-

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