

Monte Vista Station

Item	Description	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 1</u> <u>PRELIMINARIES AND GENERAL COSTS</u> GENERAL NOTES Contractor is required to visit the site and inspect items before bidding for the tender. Note :All rates should include supply and install SUPPLEMENTARY PREAMBLES View site : Before submitting, the Contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings. Old material to become property of the contractor Old materials from alterations, except where described to be re-used or handed over, become the property of the contractor who must allow credit for same in the Final Summary Allow for compulsory JBCC contract 1 Minor Works Agreement, JBCC Edition 6.2 March 2014 edition published by the Joint Building Contracts Committee	No	1.00	R 1,000.00	R 1,000.00
	<u>OCCUPATIONAL HEALTH AND SAFETY</u> Presentation, agreement and implementation of the health and safety plan including notifications to local health and safety authorities, open health and safety file inclusive of Covid 19 requirements as per the Department of labour 2 Health and safety File	Item	1		
	Carried to summary-				
	<u>BILL NO.2</u> <u>ALTERATIONS, DEMOLITIONS,ETC</u> REMOVAL OF EXISTING WORK 3 Remove the existing paving blocks and make ready to receive new works. Keep the paving blocks for reuse on the same project.	M ²	230		
	4 Remove the ceiling board in platform shelters and make ready to receive new works.	M ²	532		
	5 Remove the barge-boards on the platform shelters	M	275		
	6 Remove the doors and make good to receive new works	No	10		
	7 Remove the carpet tiles and make good to receive new works	M ²	55		

PAINTWORK/ ETC TO PREVIOUSLY PAINTED WORK ON INTERNAL FLOATED PLASTER SURFACES <i>One coat "PP700" primer and two coats "PEV1000" acrylic emulsion paint for interior use/ on work in sound condition:</i> Walls				
21	Walls-	M ²	80	
22	Ceiling and cornices	M ²	20	
23	Doors	M ²	12	
Sanitary fittings				
24	Orchid' vitreous china close coupled suite (code: 438663) consisting of 90deg outlet rim pan (code: 438600) bolted to the wall (bracket code: 8082z0) and matching 6 litre push button top dual flush back inlet cistern (code: 4386dt) complete with lid, fitments, braided connector, angle stop valve and thermoset seat (code: 8516z0)	No	1	
25	510 x 400mm, 'Daisy' white vitreous china lavatory basin (code 7008) with one taphole, including integrated overflow and chainstay, bolted to wall	No	1	
26	500 x 500 Mirror mounted on the wall	No	1	
27	Euro cylinder lock ironmongery with door handle set	No	4	
28	Changeable airfreshner dispenser fixed on the wall in the bathroom	No	2	
Carried to summary-				R -
<u>BILL NO.05</u>				
<u>TICKECT OFFICE</u>				
TILING				
Ceramic floor tiles (Allow a Prime Cost Amount of R 200/m2 delivered to site) fixed with adhesive to screed (screed elsewhere) and flush pointing with and including tinted grout:				
29	On floors and landings	M ²	3	
30	Tile skirting h = 50mm	M	5	
600 x 600 mm Porcelain tiles (Allow a Prime Cost Amount of R 200/m2 delivered to site) fixed with adhesive to screed (screed elsewhere) and flush pointing with and including tinted grout:				
31	Wall tiles	M ²	2	
32	Belgotex Enterprise Carpet Tiles (500 x 500mm)	M ²	53	
PAINTWORK/ ETC TO PREVIOUSLY PAINTED WORK ON INTERNAL FLOATED PLASTER SURFACES <i>One coat "PP700" primer and two coats "PEV1000" acrylic emulsion paint for interior use/ on work in sound condition:</i> Walls				
34	- Walls-	M ²	89	
35	Ceiling and cornices	M ²	55	
36	Doors	M ²	15	
Sanitary fittings				

37	Orchid' vitreous china close coupled suite (code: 438663) consisting of 90deg outlet rim pan (code: 438600) bolted to the wall (bracket code: 8082z0) and matching 6 litre push button top dual flush back inlet cistern (code: 4386dt) complete with lid, fitments, braided connector, angle stop valve and thermostet seat (code: 8516z0)	No	1		
38	510 x 400mm, 'Daisy' white vitreous china lavatory basin (code 7008) with one taphole, including integrated overflow and chainstay, bolted to wall	No	1		
39	500 x 500 Mirror mounted on the wall	No	2		
40	Supply and install 12 000 BTU air conditioner	No	1		
41	Supply and install fabric blinds 1500 x 1500	No	3		
Carried to summary-				R	-
<u>BILL NO.06</u>					
<u>PUBLIC TOILETS</u>					
<u>DOORS ETC</u>					
42	'Swartland' or similar approved hardwood doors: Winsters PD5 - 900 x 2032mm high external doors	No	3		
	Semi-solid laminated flush panel doors with Meranti veneer both sides and two matching concealed vertical edge strips				
43	40mm Door size 813 x 2032mm high	No	2		
44	Euro cylinder lock ironmongery with door handle set	No	3		
45	Changeable airfreshner dispenser fixed on the wall in the bathroom	No	4		
46	Ceiling and cornices	M	20		
47	500 x 500 Mirror mounted on the wall	No	4		
Carried to summary-				R	-
<u>BILL NO.07</u>					
<u>ACCESS POINTS</u>					
48	Supply and install 200 x 50 mm Rafteres 8 m long spaced at 2.5m c/c	No	6		
49	Supply and install 50 x 50 mm Purlins 5 m long spaced at 2.0m c/c	No	10		
50	Supply and install ceiling board and apply two coats creosote on	M ²	40		
PAINTWORK					
ON EXTERNAL FLOATED PLASTER SURFACES					
<i>One coat "Midas Enviro Lite" plaster primer and two coats "Midas Enviro Lite" low sheen paint/ on:</i>					
51	Walls	M ²	98		
ON PLASTERBOARD SURFACES					
52	<i>One coat "PP700" primer and two coats "PEV1000" acrylic emulsion paint for exterior use/ on:</i>	M ²	52		
Carried to summary-				R	-
<u>BILL NO.08</u>					

<u>BRIDGE</u>					
53	laying and compacting hot asphalt mix onto a concrete base, followed by compaction to achieve a smooth and durable pavement surface.	M ²	150		
54	Join a 200 mm steel plate with a thickness of 6 mm on a steel bridge, with MIG welding providing a strong and durable connection.	M	74		
ON EXTERNAL FLOATED PLASTER SURFACES <i>One coat "Midas Enviro Lite" plaster primer and two coats "Midas Enviro Lite" low sheen paint/ on:</i>					
55	Steel section	M ²	260		
Carried to summary-				R	-
<u>BILL NO.09</u>					
<u>PLATFORMS</u>					
56	Supply and install 200 x 50 mm Rafters 15 m long spaced at 2.5m c/c	No	6		
57	Supply and install 200 x 50 mm Rafters 23 m long spaced at 2.5m c/c	No	6		
58	Supply and install 50 x 50 mm Purlins 7 m long spaced at 2.0m c/c	No	44		
59	Supply and install ceiling board and apply two coats creosote on	M ²	590		
60	Supply and install 500 mm Eco-Tuff fascia boards	M	208		
ON EXTERNAL FLOATED PLASTER SURFACES <i>One coat "Midas Enviro Lite" plaster primer and two coats "Midas Enviro Lite" low sheen paint/ on:</i>					
61	Walls	M ²	173		
ON PLASTERBOARD SURFACES <i>One coat "PP700" primer and two coats "PEV1000" acrylic emulsion paint for exterior use/ on:</i>					
62	-	M ²	104		
SEATING BENCHES					
63	Build a 300 x 300 mm cavity column with a height of 500 mm, spaced at 3850 c/c. Lay an Eco-friendly recyclable plastic for outdoor benching with length of 8 m long.	No	12		
64	<i>'Swartland' or similar approved hardwood doors:</i> Winsters PD5 - 900 x 2032mm high external doors	No	12		
65	Euro cylinder lock ironmongery with door handle set	No	8		
66	High pressure wash the platform paving	M ²	4480		
67	Supply, spread and compact the G2 material base to level of underside of paving blocks.	M ³	15		
68	Supply and lay paving blocks to match the existing	M ²	230		
69	Paint a 50mm yellow line	M	560		
70	Paint a "KEEP BEHIND THE YELLOW LINE"	No	4		
71	Paint a "Non-Smoking" Sign size 1500 x 1500mm	No	6		
Carried to summary-				R	-

	<u>BILL NO.10</u>				
	ELECTRICITY				
72	Supply and install twin and earth 2.5 mm ² cable.	M	400		
73	Supply and install install 13W 2D LED Round Bulkhead light fittings, bolt light fittings onto brick wall and chase into the wall to hide the cable.	No	57		
74	Supply and install 150W LED, Die cast aluminum housing and Integrated LED chips and driver in module. IP66, 18000lm, 5 Year Warranty and replace the existing fittings.	No	6		
75	Supply and install 5 ft doubles tubes LED fittings, IP65 and replace the existing fittings.	No	18		
76	Supply and install 60W post top lamp, IP65, 5 year Warranty Post Top LED Light with a built in 3CCT (3000K/4000K/6000K).	No	10		
77	Supply and install 5.7m Beka pole, glass fibre reinforced polyester. The pole must match the existing poles on site.	No	1		
78	Supply and fit inspection pole cover for 5.7m Beka pole, glass fibre reinforced polyester.	No	8		
79	Supply and install expanded metal grid deep galvanised cage. 425mm x 395mm x 215mm with cylindrical collar welded to the centre bottom and to be connected to the light pole. Collar to be 0.5mm thick mild steel pipe, diameter to match the light fitting holder x 235mm length. Collar to be deep galvanised.	No	10		
80	Supply and install double lights fitting holder to be mounted on the Beka ray pole. Must be painted with a grey colour to match the existing poles on site.	No	10		
81	Supply and install Distribution board enclosure as specified below. Distribution Board to be made of 3CR12 stainless steel 1.5mm thick and epoxy coated. Ensure compliance with SANS 1973-1 and 60439-1. The board to be IP54 rated and Barker Nelson locking system or Barrel and lock. The board must comprise of the following: Circuit breakers, 1 x 3 phase contactor with 230volt coil, n/o and n/c auxillary contacts, photocell and test switch with 1 x CBI 6ka 10 amps single phase circuit breaker and bus bars. Remove the existing DB and make the surface ready for the new installation.	No	2		
82	Supply and install photocell.	No	3		
83	Supply and install contactor.	No	3		
84	Supply and install single pole 20A circuit breaker.	No	3		
85	Supply and install deep galvanised anti-vandal cages, 340mm x 340mm x 220mm.	No	45		
	Solar Power				
	<u>Inverter</u>				
86	Supply and fit Minimum: 8KW Sunsynk three phase Hybrid inverter with nominal DC 48V or similar approved by the Prasa's Electrical Manager. Output voltage 230VAC 50Hz at 5000 Watts. Include all relevant cables, lugs and ferrules as per manufacturer's specifications. HYBRID OPERATION with batteries. Use battery first when PV energy is low. Only when the battery levels are low should inverter use power from the grid to charge battery and power load. Also function as an off-grid inverter to provide power during load shedding or power failures.	No	1.00		

	<u>Battery Bank</u>				
87	Supply and fit Sunsynk 48V 100AH deep cycle Lithium Ion battery pack or similar approved by Prasa's Electrical Manager. Include all relevant cables, lugs and ferrules as per manufacturer's specifications.	No	2.00		
	<u>PV Modules</u>				
88	Supply and fit 540W Canadian monocrystalline PV Modules or similar to approved by Electrical Manager. Max: 435W - 445W Peak power Watts each. PV modules to be fitted at the top ticket office roof such that maximum solar radiation is absorbed by solar panel. Include all brackets, cables, lugs and ferrules as per manufacturer's specifications	No	16.00		
	<u>Angle Iron</u>				
89	Minimum 25mm x 25mm x 1mm thick. Supply, manufacture and install a vandal-proof frame to secure PV modules atop roof. Frame to be secured atop roof of ticket office.	M	90.00		
	<u>DB</u>				
90	Supply and fit surface mount distribution board. Include DC and AC protection circuit breakers and surge protection. Include all relevant cables, lugs and ferrules as per manufacturer's specifications.	No	1.00		
	<u>Plug Sockets</u>				
91	Supply and fit standard surface mounted double plug sockets to be energised by Solar Array..	No	4.00		
	<u>Light Switches</u>				
92	Supply and fit standard surface mounted light switches.	No	4.00		
	<u>Surflex Cable</u>				
93	Supply and fit twin-and-earth 2.5mm ² from Inverter to plug socket and lights.	M	200.00		
	<u>LED Light Fittings for Ticket Office</u>				
94	Supply and fit LED office type fittings. 4-Foot double. Cool white. Lights to be energized by Solar Array.	No	10.00		
	<u>LED Flood Lights For Platforms and Foot Bridge</u>				
95	Supply and fit LED flood lights with automatic photo on/off switch. 220Vac. Heavy duty die cast 3000Lm minimum. Flood lights to be energized by Solar Array.	No	15.00		
	<u>Smart LED Solar Street lights with integrated Lithium Ion Battery, timer and mounting bracket for platform</u>				
96	Supply and install 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 to be off from 7h00 to 17h00. And then 100% illumination from 17h00 to 21h00. From 21h00 to 4h30 50% illumination. Solar lighting at minimum of 8000 lumens per unit Integrated Battery pack Lithium Ion Protection Rating IP 65 Mounting bracket to conform with manufacturer's specifications Smart LED solar lamp to include all electrical protection in a single unit. Smart Solar lamps to be fitted on the existing pole structures on site.	No	10.00		

97	Comission Solar Array and provide 12 month warranty on parts and workmanship. Provide 12 monthly maintenace, checks, cleaning of panels and general teething problems and reseting of inverter for nuisance trips	No	1.00		
	Carried to summary-			R	-
	<u>BILL NO.11</u>				
	<u>COC</u>				
98	ELECTRICAL COC	No	1	R	10,000.00
99	PLUMBING COC	No	1	R	10,000.00
	Carried to summary-			R	20,000.00
	<u>BILL NO.12</u>				
	<u>ROOFING</u>				
100	High pressure was the roof sheets and apply 2 layers of Derbigum to the entire roof	M ²	216		
	Carried to summary-			R	-
	NB: ITEM 12, 21,32,35,36,66, 67, 76 AND 77 A SAMPLE MUST BE SUBMITTED FOR APPROVAL BEFORE INSTALLATION				
	<u>SUMMARY</u>				
1	PRELIMINARIES AND GENERAL COSTS			R	-
2	ALTERATIONS, DEMOLITIONS,ETC-			R	-
3	EXTERNAL AREA			R	-
4	MESSROOM			R	-
5	TICKET OFFICE			R	-
6	PUBLIC TOILETS			R	-
7	ACCESS POINTS			R	-
8	BRIDGE			R	-
9	PLATFORMS			R	-
10	ELECTRICITY			R	-
11	COC's			R	-
12	ROOFING			R	-
	SUB-TOTAL				
	CONTIGENCY (10%)				
	SUB-TOTAL (SUB-TOTAL + CONTIGENCY)				
	VAT(15%)				
	TOTAL				

