

**Century City Station**

Item	Description	UNIT	QTY	RATE	AMOUNT
	<b><u>BILL NO. 1</u></b>  <b><u>PRELIMINARIES AND GENERAL COSTS</u></b>  <b>GENERAL NOTES</b> Contractor is required to visit the site and inspect items before bidding for the tender.  <b>Note :All rates should include supply and install</b>  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  Minor Works Agreement, JBCC Edition 6.2 March 2014 edition published by the Joint Building Contracts Committee				
1		Item	1.00	R 1,000.00	R 1,000.00
	<b><u>OCCUPATIONAL HEALTH AND SAFETY</u></b>  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		
	<b>Carried to summary-</b>				
	<b><u>BILL NO.2</u></b>  <b><u>ALTERATIONS, DEMOLITIONS,ETC</u></b>  REMOVAL OF EXISTING WORK				
3	Cut and remove asphalt paving around pillar and make good to receive a patch work	M2	6		
4	Remove flash machnism and make good to receive new work	No	12		
5	Remove the tiles in the kitchen and female toilets	M2	12.5		
6	Remove the roller shutter doors and make good to receive new work	No	7		
7	Romove the existing blinds at ticket office	No	12		

8	Remove the fixed cupboard at security messroom	Item	2		
Carried to summary-					
<b>BILL NO.03</b>					
<b>EXTERNAL AREA</b>					
PAINTWORK					
<b>ON EXTERNAL FLOATED PLASTER SURFACES</b>					
9	One coat "Midas Enviro Lite" plaster primer and two coats "Midas Enviro Lite" low sheen paint/ on:	m2	650		
10	High water pressure the brickwall clean and apply two coat of protection layer of brickdressing sealent	m2	73		
Carried to summary-					
<b>BILL NO.04</b>					
<b>Concourse</b>					
<b>Roller Shutter Doors</b>					
Supply and install galvanized Roller shutter doors.					
Galvanized steel slats					
Galvanized steel guides of 3mm thickness					
Steel barrels with springs					
M - plates with bearings					
Steel canopies					
Motor covers					
Raw bolts					
Self tapping screws					
11	2530 x 2780mm with Right hand Motor	No	3		
12	1800 x 2280 mm Right hand Motor	No	1		
13	1800 x 2280 mm Left hand Motor	No	1		
14	1920 x 2280 mm Left hand Motor	No	1		
15	1920 x 2280 mm right hand Motor	No	1		
<b>PAINTWORK/ ETC TO PREVIOUSLY PAINTED WORK</b>					
<b>ON INTERNAL FLOATED PLASTER SURFACES</b>					
One coat "PP700" primer and two coats "PEV1000" acrylic emulsion paint for interior use/ on work in sound condition:					
Walls					
-					
16	Walls-	m2	72		
Carried to summary-					
<b>BILL NO.05</b>					
<b>Public Toilets</b>					
<b>PAINTWORK/ ETC TO PREVIOUSLY PAINTED WORK</b>					
<b>ON INTERNAL FLOATED PLASTER SURFACES</b>					
One coat "PP700" primer and two coats "PEV1000" acrylic emulsion paint for interior use/ on work in sound condition:					
17	Ceiling and cornices	m2	14		

18	Supply and install new flushing push buttons	No	12		
19	Supply and install a trap door and match the existing ceiling	m2	0.36		
<b>Carried to summary-</b>					
<b><u>BILL NO.06</u></b>					
<b><u>TICKET OFFICE</u></b>					
<b>PAINTWORK/ ETC TO PREVIOUSLY PAINTED WORK ON EXTERNAL FLOATED PLASTER SURFACES</b> <i>One coat "PP700" primer and two coats "PEV1000" acrylic emulsion paint for interior use/ on work in sound condition:</i>					
20	<u>Walls</u>	m2	250		
<b>TILING</b> 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:					
21	On floors and landings	m2	13		
22	Tile skirting h = 50mm	m	14		
23	Supply and install window tint on ticket window sales	m2	15		
	Supply and install cut-to-cut vertical window blinds	m2	53		
24	<u>0.6 x 1.5 m Window Blinds</u>	No	8		
The following cupboard fittings have been measured as complete units i.e. the components of the units have not been separately measured. The description/ therefore/ of such units shall be deemed to include for all components/ assembling / housing/ notching/ glueing/ blocking/ bolting/ planting on and screwing with countersunk screws/ edge strips/ white melamine finish to all/ glass/ ironmongery to be 'Blum' or similar approved/ metalwork/ paint or varnish finishes/ etc. Prices are to include for all necessary filler pieces against walls etc.					
25	<b>Melamine Cupboards: 2.7 x 0.75 x 0.9 m</b> grey formed top/ kitchen sink measured elsewhere	No	2		
<b>Carried to summary-</b>					
<b><u>BILL NO.07</u></b>					
<b><u>Platforms</u></b>					
<b>PAINTWORK/ ETC TO PREVIOUSLY PAINTED WORK ON EXTERNAL FLOATED PLASTER SURFACES</b> <i>One coat "PP700" primer and two coats "PEV1000" acrylic emulsion paint for interior use/ on work in sound condition:</i>					
26	Stairs	m2	255		
27	Lift shaft	m2	41		
28	Steel platform shelters	m2	16		
29	Pillars	m2	252		
<b>Carried to summary-</b>					

	<b><u>BILL NO.11</u></b>				
	<b>ELECTRICITY</b>				
30	Supply and install twin and earth 2.5 mm <sup>2</sup> cable.	m	150		
31	Supply and install 60W post top lamp, IP65, 5 year Warranty Post Top LED Light with a built in 3CCT (3000K/4000K/6000K) selector switch. Remove the existing x11 HPS fittings and dispose them at Salt River Depot.	Item	13		
32	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.	Item	13		
33	Supply and install 20mm steel type conduit pipe to be welded on the vertical steel structure on the footbridge to safeguard cable.	m	50		
34	Supply and install 1.5m steel type pole to be deep galvanised and painted. The pole must have the base plate and welded to the handrail frame structure and secured with x4 bolts and nuts. The pole must match the existing poles on site.	Item	1		
	<b><u>ACCESS POINT/CONCOURSE</u></b>				
35	Supply and install 5 ft double tubes LED fittings, IP65 and replace the existing fittings.	Item	19		
36	Supply and install light fittings: 210W LED UFO IP65 High Bay, 27000 lm. Cool white. Light fittings to be suspended with deep galvanised chain attached to the beam structure. Replace the existing dome fittings	Item	12		
37	Supply and install EPL331 16 Amp Plug + New Rsa Socket + Usb For 4 X 4 Box. Replace the existing.	Item	3		
	<b><u>TICKET OFFICE</u></b>				
38	Supply and retrofit 5 ft LED tubes and replace the existing fluorescent tubes in the recessed ceiling.	Item	85		
39	Supply and install 13W, 2D LED Round Bulkhead light fittings and replace the existing.	Item	15		
40	<b>Provisional amount</b> - Power Skirting: Supply and replace the existing power skirting plugs and wiring in various ticket office space.	Sum	1	R2,000.00	R2,000.00
	<b><u>MESSROOM</u></b>				
41	Supply and install Hydroboil 10l. Replace the existing.	Item	1		
42	Supply and install 13W, 2D LED Round Bulkhead light fitting and replace the existing.	Item	1		
43	Supply and install 5 ft double tubes LED fittings, IP65 and replace the existing fittings.	Item	3		
	<b><u>PUBLIC ABLUTION</u></b>				

44	Supply and install 13W, 2D LED Round Bulkhead light fitting and replace the existing.	Item	18		
45	Supply and install light switch - 1 lever.	Item	3		
	<b><u>PLATFORM</u></b>				
46	Supply and install 150W LED, Die cast aluminum housing and Integrated LED chips and driver in module. IP66, 18000lm, 5 Year Warranty and replace x40 existing fittings and dispose them at Salt River.	Item	20		
47	Supply and install 50W Heavy Duty Coastal LED Flood light fittings under the bridge x8, x2 on the main entrance varanda and x2 on the side of the building. Replace the existing fitting and dispose them at Salt River.	Item	12		
48	Supply and install contactor.	Item	3		
49	Supply and install photocell.	Item	3		
	<b><u>BILL NO.7</u></b>				
	<b>Solar Power</b>				
	<u>Inverter</u>				
50	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.	Sum	1		
	<u>Battery Bank</u>				
51	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.	Sum	2		
	<u>PV Modules</u>				
52	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	Sum	16		
	<u>Angle Iron</u>				
53	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.	Item	90		
	<u>DB</u>				
54	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.	Item	1		

	<u>Plug Sockets</u>				
55	Supply and fit standard surface mounted double plug sockets to be energised by Solar Array.	Item	8		
	<u>Light Switches</u>				
56	Supply and fit standard surface mounted light switches.	Item	8		
	<u>Surflex Cable</u>				
57	Supply and fit twin-and-earth 2.5mm <sup>2</sup> from Inverter to plug socket and lights.	m	300		
	<u>LED Light Fittings for Ticket Office</u>				
58	Supply and fit LED office type fittings. 4-Foot double. Cool white. Lights to be energized by Solar Array.	Item	10		
	<u>LED Flood Lights for Ticket verification</u>				
59	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.	Item	6		
	<u>Smart LED Solar Street lights with integrated Lithium Ion Battery, timer and mounting bracket for platform</u>				
60	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.	Item	20		
	<u>Test, Commision and Warranty</u>				
61	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	Item	1		
	<b><u>SUMMARY</u></b>				
1	<b>PRELIMINARIES AND GENERAL COSTS</b>			R	-
2	<b>ALTERATIONS, DEMOLITIONS,ETC-</b>			R	-
3	<b>EXTERNAL AREA</b>			R	-
4	<b>MESSROOM</b>			R	-
5	<b>TICKET OFFICE</b>			R	-
6	<b>PUBLIC TOILETS</b>			R	-
7	<b>ACCESS POINTS</b>			R	-
8	<b>BRIDGE</b>			R	-
9	<b>PLATFORMS</b>			R	-

10	FENCE				R	-
11	ELECTRICITY				R	-
12	COC's				R	-
13	ROOFING				R	-
	SUB-TOTAL					
	CONTINGENCY (10%)					
	SUB-TOTAL (SUB-TOTAL + CONTINGENCY)					
	VAT(15%)					
	TOTAL					