



## **REFURBISHMENT OF GEZINA STATION**

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b><u>SECTION NO. 1</u></b>				
	<b><u>BILL NO.1</u></b>				
	<b><u>ALTERATIONS</u></b>				
	<b><u>REMOVAL OF EXISTING WORK</u></b>				
	<b><u>Take out and remove doors, windows, etc. including thresholds, sills, etc. (new doors &amp; windows elsewhere).</u></b>				
1	Steel balustrades 1000mm high from concrete stairs, including making good screeds	m	8		
2	Solid steel balustrades 1000mm high from concrete stairs and bridge	m	20		
3	Damaged Windows complete	No	16		
	<b><u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</u></b>				
4	30mm Screed from floors	m2	50		
	<b><u>Floors</u></b>				
5	Making good defects in existing screeded floors with epidermix 365 two component, solvent free, polyamide cured epoxy system applied in accordance with the manufacturers recommendations	m2	20		
	<b><u>SUNDRIES</u></b>				
	<b><u>Cleaning up existing surfaces</u></b>				
6	Clean up and sandblast face brickwork remove dirt deposits, grime, etc	m2	365		
	<b><u>REMOVAL OF RUBBISH, DISUSED MATERIALS, ETC</u></b>				
	<b><u>Removal of rubbish, disused materials, etc</u></b>				
	<b><u>BUILDING UP OPENINGS</u></b>				
	<b><u>Brickwork in NFP bricks in class II mortar in building up openings:</u></b>				
8	One brick walls	m <sup>2</sup>	20		
	<b><u>GENERAL REPAIRWORK</u></b>				
	<b><u>Repairwork to existing brick walls:</u></b>				
9	Water-jetting surfaces of existing facebrick walls with high pressure low-volume water jetting lance to remove all dirt, brushing down and washing to remove surface contamination,	m <sup>2</sup>	138		

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	mould, fungus, damp and treating with two coats of anti-fungal wash and leaving perfectly clean on completion				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p><b><u>SECTION NO. 1</u></b></p> <p><b><u>BILL NO.2</u></b></p> <p><b><u>MASONRY</u></b></p> <p><b><u>SUPERSTRUCTURE</u></b>  <b><u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II morta</u></b></p>				
1	Half brick walls	m2	10		
	<b><u>Brickwork reinforcement</u></b>		8		
2	75mm Wide reinforcement built in horizontally	m	10		
	<b><u>NUTEC-CEMENT WINDOW SILLS</u></b> <b><u>Natural grey sills in single lengths bedded in class I mortar including metal fixing lugs etc</u></b>	m	12		
3	15 x 150mm Wide sills set flat and slightly projecting	m	4		

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p><b><u>SECTION NO. 1</u></b></p> <p><b><u>BILL NO.3</u></b></p> <p><b><u>CARPENTRY AND JOINERY</u></b></p> <p><b><u>ROOFS ETC</u></b></p> <p><b>Sawn softwood</b></p>				
1	<p>38 x 114mm Wall plates</p> <p>The following is applicable in respect of roof trusses:  Timber roof structure shall be fully designed, constructed of South African pine and certified on completion by a firm of Specialist Timber Roof Designers and Manufacturers Trusses are at maximum 1200mm centres Roof covering is steel sheeting on purlin Ceilings are 4mm sheeting on 38 x 38mm brandering Prices shall include designs and certification on completion. The designs shall be availed to</p>	m	10		
2	<p>Fully designed timber roof structure complete with trusses, jack rafters, permanent bracing and purlins/battens as necessary all in accordance with the Architect's roof plan including provision of an Engineer's Approval Certificate on completion (area measured on plan over the roof line as per the Architect's drawings)</p> <p><b><u>DOORS ETC</u></b></p> <p><b>40mm Thick semi solid door with commercial veneer suitable for painting</b></p>	m2	30		
3	<p>40mm Single door 813 x 2032mm high</p> <p><b><u>Wrought meranti doors hung to steel frames</u></b></p>	NO.	3		
4	<p>44mm Door 813 x 2032mm high</p>	NO.	2		

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p><b><u>SECTION NO. 1</u></b></p> <p><b><u>BILL NO.4</u></b></p> <p><b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></b></p> <p><b><u>CEILING TIMBERS, BEADS, INSULATION, ETC</u></b></p> <p><b><u>"Fibreglass" insulation</u></b></p>				
1	50mm Insulation closely fitted and laid on top of brandering between roof timbers etc	m2	40		
	<p><b><u>NAILED UP CEILINGS</u></b></p>				
2	4mm Fibre-cement boards with H-type white PVC jointing strips and cross battens at 400mm centres	m <sup>2</sup>	30		
3	Ceilings including 38 x 50mm sawn softwood Extra over ceiling for 600 x 600mm trap door	No	2		
	<p><b><u>Gypsum plasterboard cornices:</u></b></p>				
4	75mm Coved cornices	m	40		

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b><u>SECTION NO. 1</u></b>				
	<b><u>BILL NO.5</u></b>				
	<b><u>IRONMONGERY</u></b>				
	<b><u>HINGES, BOLTS, ETC.</u></b>				
1	100mm Brass butt hinges B24166SS	No.	2		
2	Grade 304 stainless steel WC indicator bolt	No	2		
	<b><u>LOCKS</u></b>				
3	Grade 304Stainless Steel indicator bolt (code: fixed to surface with matching stainless steel screws. To comply with SANS 4:2008	No	2		
4	Grade 304 Stainless steel Euro profile Mortice sash lock with reversible latch and deadbolt. Fore end to be stainless steel To comply with SANS 4:2008	No	4		
	<b><u>HANDLES</u></b>				
	<b>"Union Assa Abloy" or similar approved:</b>				
5	Grade 304 Stainless steel round D lever handle on a long backplate with a Euro profile cylinder opening. Fixing to door to be stainless steel male and female screws. To comply with SANS 4:2008	No	6		
	<b><u>SUNDRIES</u></b>				
	<b>"Union Assa Abloy" or similar approved:</b>				
	<b><u>BATHROOM FITTINGS</u></b>				
7	Satin stainless steel toilet roll holders for 2 or 3 rolls with central shaft system and cylinder lock, plugged and screwed to the wall with stainless steel screws. (vandal resistant)	No	5		
8	Satin stainless steel sanitary towel disposal bins with capacity of min 10 litres, free standing or wall mounted (plugged and screwed to the wall with stainless steel screws)	No	5		

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
9	Supply and deliver Automatic towel dispenser with stainless steel screws and Fischer plugs (5 x 30mm): -100% Touch free operation -Made from Rust-resistant 1.2mm stainless steel with a brush finish -Suitable paper towel sizes (mm): -Min 240 x 85 -Ideal 190mm x 170mm -Size: L 300mm x D 134mm x H 305mm -Contractor is required to supply and deliver industrial batteries for all equipment	No	5		

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
10	Satin stainless steel soap dispensers with a replaceable and refillable 1 litre container, cylinder lock , plugged and screwed to the wall with stainless steel screws.	No	4		
11	Satin stainless steel waste disposal bins with capacity of plus minus 40 and with a frame inside the dispenser to hold a liner, plugged and the wall with stainless steel screws.	No	4		
12	<p><b><u>SUNDRIES</u></b></p> <p>Grade 304 Stainless Steel floor mounted door stop , plugged and screwed to floor</p>	No.	5		

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b><u>SECTION NO. 1</u></b>				
	<b><u>BILL NO.6</u></b>				
	<b><u>METALWORK</u></b>				
	<b><u>GALVANISED STEEL BALUSTRADES</u></b>				
	<b><u>Welded balustrades</u></b>				
1	Solid steel balustrade 1000mm high welded to match existing	m	10		
2	Single gate 860 x 2125mm high overall, including all ironmongery	No	4		
	<b><u>PRESSED STEEL DOOR FRAMES</u></b>				
3	1,6mm Double rebated frames suitable for half brick walls:				
	<b><u>WELDED SCREENS, GATES, ETC</u></b>				
	<b>Approved ultra heavy duty arm turnstile with stainless steel top cover, electrical bi- directional turnstile in 304 grade stainless steel finish with approved rotation locking mechanism and electronic control panel 220V power supply, all installed to manufacturer's specifications</b>				
4	Single bi-directional turnstile	No	2		
	<b><u>STEEL WINDOWS, DOORS, ETC</u></b>				
	<b><u>Purpose made steel windows</u></b>				
	Window size 533 x 795mm high	No	3		
5	Window size 680 x 1022mm high	No	1		
	<b><u>STEEL ROLLER SHUTTERS ETC</u></b>				
	<b>Approved roller shutter door fixed to brickwork or concrete</b>				
6	Manually operated slatted roller shutter for 3870 x 2100mm high opening	No	4		

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1	<p><b><u>SECTION NO. 1</u></b></p> <p><b><u>BILL NO.7</u></b></p> <p><b><u>PLASTERING</u></b></p> <p><b><u>SCREEDS</u></b></p> <p>30mm thick on concrete</p>	m <sup>2</sup>	70		
	<p><b><u>INTERNAL PLASTER</u></b></p> <p><b>Cement plaster on brickwork::</b></p>				
2	On walls	m <sup>2</sup>	30		
3	Cement plaster on brickwork narrow widths	m <sup>2</sup>	2		
	<p><b><u>EXTERNAL PLASTER</u></b></p> <p><b>One coat plaster on brickwork</b></p>				
4	On walls	m <sup>2</sup>	10		
5	On narrow widths	m2	2		
	<p><b><u>GRANOLITHIC</u></b></p> <p><b>Untinted granolithic on concrete</b></p>				
6	30mm Thick on floors and landings	m2	121		

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1	<p><b><u>SECTION NO. 1</u></b></p> <p><b><u>BILL NO.8</u></b></p> <p><b><u>TILING</u></b></p> <p><b><u>WALL TILING</u></b></p> <p><b>600 x 300mm x 12mm Glazed Full Bodied Porcelain tiles fixed with tile adhesive mixed with bonding liquid in lieu of water with joints continuous in both directions and grouted with tile grout, excess grout o</b></p> <p>On walls</p>	m <sup>2</sup>	50		
2	<p><b><u>FLOOR TILING</u></b></p> <p><b>600 x 600mm x 10mm Full bodied porcelain tiles fixed to internal floor screed with tile adhesive mixed with bonding liquid in lieu of water with diagonal joints continuous in both directions and grouted with tile grout, excess grout on the surface to be cleaned with water as work proceeds</b></p> <p>On floors and landings</p>	m <sup>2</sup>	20		
3	<p><b><u>SUNDRIES</u></b></p> <p><b>Stainless steel corner protectors, stair nosings, expansion joint strips, etc:</b></p> <p>12 x 30 x 3mm Angle section stainless steel tile bearer plugged horizontally to brickwork or concrete</p>	m	10		

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b><u>SECTION NO. 1</u></b>				
	<b><u>BILL NO.9</u></b>				
	<b><u>PLUMBING AND DRAINAGE</u></b>				
	<b><u>SOIL DRAINAGE</u></b>				
	<b><u>Unblock And Clean Out Existing Soil Drainage</u></b>				
1	Rod, clean and flush out existing soil pipe not exceeding 110mm diameter and leave pipe in perfect working condition	No	10		
	<b><u>RAINWATER DISPOSAL</u></b>	No	2		
	<b>Aluminium seamless gutters 0,9mm thick coated internally and externally in colour Fish Eagle White including cut and mitred angles covered with a mitre strip externally, stop ends riveted and all sealed on the inside with approved silicone sealer, secured to fibre cement fascia with 20 x 3mm dual-purpose brackets at 600mm centres using aluminium peeled rivets, including a 50 x 20mm high overflow spiggot, with 0,6mm thick colour coated downpipes in colour Fish eagle White fixed to wall with straps at 1500mm centres using nail plugs, with downpipes riveted and silicone sealed to gutter outlets, including all necessary bends, elbows, shoes etc</b>				
2	125 x 85 x 0,6mm Eaves gutters	m	44		
3	Extra over eaves gutter for stopped end	No	16		
4	Extra over eaves gutter for outlet for 100 x 75mm pipe	No	8		
5	<b>100 x 75mm Rainwater pipes</b>	m	24		
6	Extra over rainwater pipe for shoe	No	8		
7	Extra over rainwater pipe for eaves or plinth offset 450mm projection	No	8		
	<b><u>TRAPS ETC</u></b>				
	<b><u>Cast iron</u></b>				
8	<b>38mm Urinal trap</b>	No	2		
9	Approved 32mm 345/50 CP deep bottle trap	No.	3		
10	Testing the sanitary plumbing system	item	1		

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
11	<b><u>WATER SUPPLY</u></b> 22mm Pipes	m	28		

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
12	<b><u>Extra over class O copper pipes for capillary fittings</u></b> 15mm Fittings	No	11		
13	22mm Fittings	No	70		
14	<b><u>TESTING</u></b> Testing water pipe system	item	1		

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1	<p><b><u>SECTION NO. 1</u></b></p> <p><b><u>BILL NO.10</u></b></p> <p><b><u>GLAZING</u></b></p> <p><b><u>GLAZING TO STEEL WITH PUTTY</u></b></p> <p><b>OPS, SHELVES, DOORS, MIRRORS, ETC</b>  <b>4mm silver float glass complete with bevelled edges installed on wall tiles (elsewhere), plugged and screwed to wall with 4 chrome mirror screw with dome caps</b>  <b>Mirror 450 x 600mm high</b></p>	No	5		

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b><u>SECTION NO. 1</u></b>				
	<b><u>BILL NO.11</u></b>				
	<b><u>PAINTWORK</u></b>				
	<b><u>PAINTWORK ETC TO PREVIOUSLY PAINTED WORK ON FAIR FACED BRICKWORK</u></b>				
	<b><u>Two coats approved brick dressing</u></b>				
1	Walls	m2	365		
2	On external sills not exceeding 300mm girth	m2	3		
	<b><u>recondition steel by cleaning down and sandblasting to SA 2.5 (SIS 05 5900 - 1997) with profile between 40 and 70 micron, prime (within 3 hours of sandblasting) with approved zinc phosphate primer to dry film thickness between 50 and 100 micron</u></b>				
3	Solid steel balustrade (both sides measured)	m <sup>2</sup>	65		
4	400mm Diameter x 900mm long perforated bins	No	4		
5	400 x 3700mm Benches	No	4		
	<b><u>PAINTWORK ETC TO NEW WORK</u></b>				
	<b><u>ON INTERNAL FLOATED PLASTER SURFACES</u></b>				
	<b><u>One coat alkali resistant plaster primer and two coats luxurious silk for interior use</u></b>				
6	On internal walls	m2	30		
	<b><u>ON INTERNAL GYPSUM PLASTER SURFACES</u></b>		12		
7	On ceilings and beams	m <sup>2</sup>	40		
	<b><u>ON EXTERNAL FLOATED PLASTER SURFACES</u></b>		204		
	<b><u>One coat alkali resistant plaster primer and two coats wallguard for exterior use</u></b>				
8	On external walls	m2	40		
	<b><u>ON METAL SURFACES</u></b>				
	<b><u>Spot priming steel primer, one coat universal undercoat and two coats gloss enamel</u></b>				
9	On door frames	m2	2		
10	On windows	m2	6		

ITEM NO	DESCRIPTION		AMOUNT
	<p><b><u>SECTION NO. 1</u></b></p> <p>1 Alterations</p> <p>2 Masonry</p> <p>3 Carpentry and Joinery</p> <p>4 Ceilings, Partitions and Access Flooring</p> <p>5 Ironmongery</p> <p>6 Metalwork</p> <p>7 Plastering</p> <p>8 Tiling</p> <p>9 Plumbing and Drainage</p> <p>10 Glazing</p> <p>11 Paintwork</p> <p><b>Total carried to summary</b></p>		



ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b><u>SECTION NO. 3</u></b>				
	<b><u>BILL NO.1</u></b>				
	<b><u>MECHANICAL INSTALLATIONS</u></b>				
	<b><u>FIRE PROTECTION SERVICES</u></b>				
	<b><u>Fire protection as per SANS 10400-T Fire signage as per SANS 1186-1, SANS 1186-3, SANS 1186-5 and SANS 1464-22</u></b>				
	<b><u>Sundries</u></b>				
1	<b><u>9 Kg dry chemical type fire extinguisher complete with bracket and meranti board, fixed to wall with expanding bolts and including mortices in brickwork</u></b>	No	8		
2	<b><u>Approved turnable hose reel bearing SABS mark and brackets with patent swivel joints, fitted with 30m length of 19mm diameter SABS red PVC hose with gunmetal 'shut-off' control nozzle and chromium plated wheelhead valve and fix reel and nozzle bracket to plastered walls with and including 6 x 76mm expanding bolts in mortices in wall.</u></b>	No	2		
3	<b><u>HVAC</u></b> <b><u>l/s @ 150 Pa c/w inside and outside vlouvres</u></b>	No	6		
4	<b><u>Electrical Installation</u></b> <b><u>power supply to abovementioned</u></b>	No	1		
5	<b><u>Exhaust Air ventilation fan Axial type</u></b> <b><u>Clean dust from fan housing</u></b>	No	4		
6	<b><u>Lubricate fan bearings</u></b>	No	4		
7	<b><u>Replace fan bearings</u></b>	No	4		
8	<b><u>Replace fan impeller</u></b>	No	4		
9	<b><u>Inspect electrical connections and controls</u></b>	No	4		

	<b><u>WASTES AND VENTS</u></b>			
	<b><u>uPVC</u></b>			
10	<b><u>50mm pipe fixed in walls, ceilings, roofs, floors, etc. or laid in filling No excavation allowed</u></b>	m	50	
11	<b><u>110mm pipe fixed in walls, ceilings, roofs, floors, etc. or laid in filling No excavation allowed</u></b>	m	5	
12	<b><u>160mm pipe fixed in walls, ceilings, roofs, floors, etc. or laid in filling No excavation allowed</u></b>	m	2	
	<b><u>PVC gulleys</u></b>			
13	<b><u>110mm dished gulley not exceeding 750mm deep</u></b>	No	1	
	<b><u>SOIL DRAINAGE</u></b>			
	<b><u>CLASS 34 Upvc pipes and fittings</u></b>			
14	100mm pipes vertically or ramped to cleaning eyes, etc (L.I.)	m	5	
15	100mm pipes laid in trenches not exceeding 1m deep, including excavations, bedding, backfilling and compaction and disposal of excess	m	2	
16	100mm pipes laid in trenches not exceeding 1m deep but not deeper than 2m, including excavations, bedding, backfilling and compaction	m	1	
	<b><u>Extra over 110mm diameter uPVC fittings for pipes</u></b>			
17	End cap	No	1	
18	Access bend	No	5	
19	Access junction	No	2	
20	Rodding eye	No	1	
	<b><u>Extra over 160mm diameter uPVC fittings for pipes</u></b>			
21	<b><u>Access junction</u></b>	No	1	
	<b><u>INSPECTION CHAMBERS</u></b>			
	<b><u>uPVC channels</u></b>			
22	<b><u>160mm half-round channels in bottoms of inspection chambers</u></b>	m	2	
	<b><u>Extra over uPVC fittings for channels</u></b>			
23	<b><u>160mm bend</u></b>	No	1	
24	<b><u>160mm junction</u></b>	No	1	
25	<b><u>Replace P traps c/w fall fittings, seals and accessories</u></b>	No	9	
	<b><u>Total carried to summary</u></b>			

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>SECTION NO. 4</u>  <u>BILL NO.1</u>  <u>ELECTRICAL INSTALLATIONS</u>  <u>LOW-VOLTAGE CABLES</u> <u>Supply and install 600/1000V</u> <u>PVC/PVC/SWA/PVC copper cable laid in</u> <u>trenches or fixed to cable trays or</u> <u>trunking (trenching, backfilling, cable</u> <u>trays, trunking measured elsewhere)</u>				
1	50mm <sup>2</sup> 4-core PVC insulated copper cable	m	80		
2	16mm <sup>2</sup> 3-core PVC insulated copper cable	m	90		
3	6mm <sup>2</sup> 3-core PVC insulated copper cable	m	100		
4	6mm <sup>2</sup> 3-core PVC insulated copper cable	m	150		

	<b><u>CABLE TERMINATIONS</u></b>			
5	50mm <sup>2</sup> 4-core PVC insulated copper cable	No	2	
6	16mm <sup>2</sup> 3-core PVC insulated copper cable	No	4	
7	6mm <sup>2</sup> 3-core PVC insulated copper cable	No	2	
	<b><u>EARTH CONDUCTOR TERMINATION</u></b>			
	<b><u>Termination of bare insulated copper conductors including lugs and connections</u></b>			
8	35mm <sup>2</sup> BCEW	m	2	
	<b><u>CABLE WARNING TAPES</u></b>			
9	Cable warning tape	m	80	
	<b><u>SLEEVES</u></b>			
10	50mm uPVC sleeves	m	10	
	<b><u>TRENCHING AND EXCAVATIONS</u></b>			
	<b><u>(600mm wide &amp; 800mm deep)</u></b>			
12	Pickable soil	m <sup>3</sup>	20	
13	Bedding	m <sup>3</sup>	15	
14	Backfilling	m <sup>3</sup>	20	
	<b><u>CONDUITS</u></b>			
	<b><u>Supply and install pipes including short lengths jointing, sweeping bends, buses, locknuts, roundboxes etc.:</u></b>			
15	20mm diam PVC pipe	m	40	
16	25mm diam galvanised conduit	m	80	
	<b><u>DISTRIBUTION BOARDS</u></b>			
	<b><u>Main Distribution Kiosk - restoration/refurbishment and the new installation of circuit breakers</u></b>	No.	1	
	<b><u>CONDUCTORS</u></b>			
	<b><u>Supply and install 600/1000V PVC insulated stranded copper conductors drawn into conduits, etc.:</u></b>			
17	2.5mm <sup>2</sup>	m	460	
18	4mm <sup>2</sup>	m	350	
19	6mm <sup>2</sup>	m	120	
	<b><u>LIGHT SWITCHES</u></b>			
	<b><u>Supply, install and connect light switches in flush mounted boxes, complete with cover plates:</u></b>			

20	16A 1-lever / 1-way	No	2		
21	Day light switch/photocell	No	4		

	<b><u>ISOLATORS</u></b>				
22	30A single pole isolators in weatherproof utility boxes	No	2		
	<b><u>LUMINAIRES</u></b>				
	<b><u>Supply, install and connect luminaires complete with LED lamps, fixings, brass screws, washers, etc</u></b>				
23	Type P - 165W LED pole mounted floodlight complete with mounting bracket for installation on an 8m galvanized pole	No.	18		
24	8m galvanized hinged pole for floodlight mounting complete with a 5A circuit breaker, gland plate and access door including concrete footing to manufacturer's recommendations	No.	18		
25	Type B1 - 16W LED vandal-proof ceiling mounted round bulkhead luminair	No.	11		
26	Type B2 - 26W Round LED vandal-proof surface mounted bulkhead luminaire	No.	8		
27	Type F1 - 1200mm long surface mounted LED luminaire complete with 2x 60W LED tubes	No.	2		
28	Type F2 - 1200mm long, moisture-proof and vandal-proof surface mounted LED luminaire complete with 2x 60W LED tubes	No.	6		
	<b><u>EARTHING OF BUILDING STRUCTURES</u></b>				
29	galvanised conduit	m	50		
30	Supply and install 10mm <sup>2</sup> PVC copper down conductor	m	50		
31	Supply and install 70mm <sup>2</sup> bare copper conductor installed in ground to earth	m	30		
32	Test point between down conductor and earth electrode conductor complete with lugs, bolts, nuts, washers, etc.	No.	5		
33	Bonding of down conductors to roof sheeting complete with lugs, bolts, nuts and washers, etc	No.	10		
34	Supply and install 12mm diameter, 1,500mm long extensible earth electrode to be installed 600mm below finished ground floor level	No.	10		
	<b><u>TESTING AND COMMISSIONING</u></b>				
35	Testing and commissioning of the complete electrical installation in terms of SANS 10142-1 & 2, and SANS 10086-1	Item	1		
36	As-built drawings of the entire installation (DWG and/or PDF drawings for electronic submission on CD/DVD) in addition to hard copies.	Item	1		



<b><u>PROVISIONAL SUMS</u></b>			
38	Allow an amount of R30 000.00 for reconnection and restoration of the existing supply point.	Item	1
39	Add profit and attendance	Item	10%
<b><u>Provision for Power supply to MechanicalEquipment</u></b>			
40	Allow an amount of R10,000.00 for power supply to mechanical equipments		1
41	Add profit and attendance	item	10%
<b>Total carried to summary</b>			

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b><u>SECTION NO. 5</u></b>				
	<b><u>BILL NO.1</u></b>				
	<b><u>PROVISIONAL SUMS</u></b>				
	<b>EXTENDED HOURS WORK</b>				
1	Allow a sum of One Hundred Thousand Rand (R100 000.00) for Working night shifts and weekends	Item	1	100 000,00	100 000,00
2	Provide for profit		%		
3	Provide for attendance		%		
	<b>SIGNAGE</b>				
4	Allow a sum of sixty Thousand Rand (R60 000.00) for Signage	Item	1	60 000,00	60 000,00
5	Provide for profit		%		
6	Provide for attendance		%		
	<b>COMMUNITY LIASON OFFICER</b>				
7	Allow a sum of Ninety Thousand Rand ( R36 000.00)for Community Liason Officer	Item	1	36 000,00	36 000,00
8	Provide for profit				
9	Provide for attendance		%		
	<b>ROOF STRUCTURE</b>				
10	Allow a sum of Fifty Thousand Rand (R30 000.00) for Inspection and Fixing of Roof Stucture	Item	1	30 000,00	30 000,00
11	Provide for profit		%		
12	Provide for attendance		%		

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>EMU PAINTING</b>					
13	Allow a sum of Twenty Thousand Rand (R20 000.00) for painting of EMU train markings	Item	1	20 000,00	20 000,00
14	Provide for profit		%		
15	Provide for attendance		%		
<b>TRIPPING HAZARDS</b>					
16	Allow a sum of Thirty Thousand Rand (R30 000.00) for the removal of tripping hazards	Item	1	30 000,00	30 000,00
17	Provide for profit		%		
18	Provide for attendance		%		
<b>Total carried to summary</b>					

SECTION NO	DESCRIPTION		AMOUNT
	<b><u>FINAL SUMMARY</u></b>		
1	General Building Works		
2	External Works		
3	Mechanical work		
4	Electrical Work		
5	Provisional Sums		
	Sub Total (A)		
	<b>PRELIMINARIES</b>		
	Allow for preliminaries		
	Sub Total (B)		
	<b>CONTINGENCIES</b>		
	Allow the sum of 10% (ten percent) of the above sub total for Contingencies to be spent as the Principal Agent may direct and to be deducted in whole or in part if not required	10%	
	Sub Total (C)		
	<b>VALUE ADDED TAX</b>		
	Value Added Tax [15%]	15%	
	<b>Total amount carried to Form of Offer</b>		