

Item	Description	Unit	Quant	MATERIAL		LABOUR	
				Rate	Amount	Rate	Amount
	<b>BILL No 1 :</b> <b>Preliminary &amp; General</b>						
	<b><u>Preliminary and general fixed costs</u></b>						
	Site establishment	sum	1				
	Registration as contractor	sum	1				
	Removal of site and waste material at completion	sum	1				
	<b><u>Preliminary and general time related costs</u></b>						
	Site telephone	sum	1				
	Material storage and security	sum	1				
	Fulltime supervision by an accredited person	sum	1				
	Co-ordination of services with main contractor	sum	1				
	Head office overhead costs	sum	1				
	Insurance of the works	sum	1				
	Maintenance for 12 months	sum	1				
	Subsistence and Travelling	sum	1				
	SUB TOTALS			R		R	
	TOTAL FOR BILL - CARRIED FORWARD TO SUMMARY					R	

Item	Description	Unit	Quant	MATERIAL		LABOUR	
				Rate	Amount	Rate	Amount
	<b><u>BILL No 2 :</u></b> <b><u>400V Reticulation</u></b>						
<b>2.01</b>	<b><u>Distribution Boards, Kiosks, etc</u></b> New Distribution Kiosks and accessories, complete with suitable concrete plinths, sleeves, circuit breakers, isolators, surge arresters, K-clamps, galvanised P2000 wiring channel, earth and neutral bars, etc as specified and indicated on the schematic diagrams, in the positions as indicated on the Drawings, and equipped as indicated on Drawing B1290V01 APPROVED & SOLE SUPPLIER : JB SWITCHBOARDS CC Greg Brown, Tel : 011 882 7620, Fax : 086 210 4909, Cell : 082 854 6237, Email : jb.switchboards@gmail.com						
	New Kiosk PST	No	1				
	New Kiosk K4-1-1	No	1				
	Suitable concrete plint for Kiosk PST	No	1				
	Suitable concrete plint for Kiosk K4-1-1	No	1				
<b>2.02</b>	<b><u>Stand By Unit</u></b> New 50kVA 400V Stand By Unit, complete with suitable concrete plinths, sleeves, etc, as specfied in the Project Specification APPROVED & SOLE SUPPLIER : Continental Generators, Mr Stoffel Jacobs, Cell : 072 636 7946, Tel 018 431 1817, Fax : 018 431 1816, Email : stoffel@continentalgenerators.co.za						
	50kVA Stand By Unit	No	1				
	Suitable concrete plint for Stand By Unit	No	1				
<b>2.03</b>	<b><u>Trenching</u></b> Externally (outside buildings) Excavating, bedding, backfilling, consolidating and making good as specified, including removal and re-installation of interlocking paving						
	Pickable soil	m³	130				
	Hard rock	m³	54				
	Very hard rock	m³	32				
	Backfilling & Compaction	m³	216				
<b>2.04</b>	<b><u>Marking/protecting of cable/data routes</u></b>						
	Concrete Cable Markers (with aluminium plate on top)	No	16				
	PVC Warning Tape	m	360				
	110mm dia Plusduct sleeves	m	30				

Carried forward

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Item	Description	Unit	Quant	MATERIAL		LABOUR	
				Rate	Amount	Rate	Amount
	Brought forward			R		R	
<b>2.05</b>	<b>PVC PVC SWA PVC Copper 1000V Cables</b>						
	35mm <sup>2</sup> 4core	m	30				
	25mm <sup>2</sup> 4core	m	205				
	10mm <sup>2</sup> 4core	m	170				
	2.5mm <sup>2</sup> 4core	m	55				
	Outdoor Pilot/Control Cable 1.5mm <sup>2</sup> 3core	m	170				
	Indoor Pilot/Control Cable 1.5mm <sup>2</sup> 3core Cabtyre	m	65				
<b>2.06</b>	<b>PVC PVC SWA PVC CableTerminations and Joints</b>						
	35 - 50mm <sup>2</sup> 4core terminations	No	2				
	35 - 50mm <sup>2</sup> 4core joints	No	2				
	16 - 25mm <sup>2</sup> 3/4core terminations	No	4				
	6 - 10mm <sup>2</sup> 3/4core terminations	No	10				
	2,5-4mm <sup>2</sup> 3/4core terminations	No	10				
	Outdoor Pilot/Control Cable 1.5mm <sup>2</sup> 3core	No	2				
	Indoor Pilot/Control Cable 1.5mm <sup>2</sup> 3core Cabtyre	No	28				
<b>2.07</b>	<b>Bare Copper Earth Wires, Terminations and Joints</b>						
	25mm <sup>2</sup> Cu Conductor	m	30				
	16mm <sup>2</sup> Cu Conductor	m	375				
	35/25mm <sup>2</sup> terminations	No	4				
	35/25mm <sup>2</sup> joints	No	4				
	16mm <sup>2</sup> terminations	No	12				
<b>2.08</b>	Testing of this section in the presence of the Employer and/or the Engineer, including all equipment, power generator, etc & COCs	No	2				
SUB TOTALS				R		R	
TOTAL FOR BILL - CARRIED FORWARD TO SUMMARY						R	

Item	Description	Unit	Quant	MATERIAL		LABOUR	
				Rate	Amount	Rate	Amount
	<b><u>BILL No 3 :</u></b> <b><u>General Electrical Installation in Buildings</u></b>						
3.01	Distribution Boards, complete with equipment, as per Specification and Drawings. APPROVED & SOLE SUPPLIER : JB SWITCHBOARDS CC Greg Brown, Tel : 011 882 7620, Fax : 086 210 4909, Cell : 082 854 6237, Email : jb.switchboards@gmail.com						
	DB-P2	No	1				
	DB-SW	No	1				
3.02	Cable trays, wiring channels, power skirting, under-floor ducting, complete with rods, fixing brackets, splices, bends, steel cover plates, etc, as Specified,  Wiring channel, P2000 (1.6mm), with galv lid						
		m	40				
3.03	<b><u>Conduits and Accessories</u></b> SABS approved conduits, draw boxes, wall boxes, etc equiped with draw wire included: bending, threading, jointing, short lengths, couplings, bends, tees, saddles, lock-nuts, bushing, etc.						
	20 mm dia galvanised steel conduit	m	95				
	25 mm dia galvanised steel conduit	m	5				
3.04	<b><u>PVC Cu wiring</u></b> SABS approved, installed in steel/galvanised conduit, wiring channels, power skirting, etc						
	2.5 mm <sup>2</sup> conductor	m	310				
	4.0 mm <sup>2</sup> conductor	m	65				
	6.0 mm <sup>2</sup> conductor	m	80				
3.05	<b><u>Bare Copper earth wires</u></b>						
	2.5 mm <sup>2</sup> stranded bare copper earth wires (BCEW)	No	135				
	4 mm <sup>2</sup> stranded bare copper earth wires (BCEW)	No	25				
3.06	<b><u>Luminaires</u></b> Internal and external lighting : <b><u>Please Note:</u></b> Available from : <b><u>BEKA</u></b> , Mr Johan van Deventer, Tel : 011 238 0033, Cell : 079 897 0555, email : j.vandeventer@beka-schreder.co.za,  <b><u>Normal Luminaires :</u></b> Type B1 : Round bulkhead Round Bulkhead, BEKASERIES 300 20W LED, IP 66  Type C2 : Vapourproof, BEKA VAPOURLINE 1200mm, 31W LED IP 66 luminaire, with constant electronic driver						
		No	7				
		No	4				

Carried forward

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Item	Description	Unit	Quant	MATERIAL		LABOUR	
				Rate	Amount	Rate	Amount
	Brought forward			R		R	
	<b>Emergency Luminares :</b>						
	Type E1 : Round bulkhead Round Bulkhead, BEKASERIES 300 20W LED, IP 66, Emergency (1hr)	No	2				
	Type E2 : Vapourproof, BEKA VAPOURLINE 1200mm, 31W LED IP 66 luminaire, with constant electronic driver, Emergency (1hr)	No	4				
3.07	<b>Light Switches</b>						
	16 Amp 250V grade light switches complete with all necessary connections, labelling, screws, cover plates, wall boxes, etc.						
	One-lever one-way light switch, watertight	No	2				
	Photo Cell (Royce Thompson, MonoStar 2000)	No	2				
3.08	<b>Switched Socket Outlets</b>						
	Switched socket outlets and related accessories as specified in the specification, including flush-mounted wall boxes and power skirting mounting accessories, cover plates, etc						
	16A SSO Single - White, in York box	No	8				
	5 pin 400Volt welding outlet, IP67, switched type, equal and similar to Powermite A0615	No	2				
3.09	<b>Lightning protection/Earthing of buildings</b>						
	Please refer to Standard Drawing No ST 44, 25mm ø steel conduit, complete with lugs, M6/M8 gutter bolts & nuts, washers, 16mm² PVC copper earth wire (or 8mmAl conductor), York box (labelled "Earth Test Box", 50mm² bare copper conductor, Phosphor-Bronze earth clamp and 1.2m Grade A copper earth spike						
	Type LP1 (Roof to Earth)	No	8				
3.10	<b>Testing of this section in the presence of the Employer and/or the Engineer, including all equipment, power generator, etc &amp; COCs</b>	No	2				
SUB TOTALS				R		R	
TOTAL FOR BILL - CARRIED FORWARD TO SUMMARY						R	

### SUMMARY OF BILLS OF QUANTITIES

5.01	Bill No 1 : Preliminary & General	R	-
5.02	Bill No 2 : 400V Reticulation	R	-
5.03	Bill No 3 : General Electrical Installation in Buildings	R	-
5.04	Sub Total	R	-
5.05	Contingencies (10% of Sub Total)	R	-
5.06	Sub Total	R	-
5.07	Plus : Value Added Tax (15%)	R	-
<b>5.08</b>	<b>TOTAL TENDER AMOUNT</b>	<b>R</b>	<b>-</b>

SIGNATURE OF CONTRACTOR

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NAME OF CONTRACTOR

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ADDRESS OF CONTRACTOR

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TEL No OF CONTRACTOR

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FAX No OF CONTRACTOR

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ELECTRICAL CONTRACTOR'S REGISTRATION  
No AT THE ECA

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DATE

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