

PART I - ELECTRICAL INSTALLATION

SECTION 5 - BILLS OF QUANTITIES - BLOEMFONTEIN GOVERNMENT BUILDING: SARS

BILL NO: 4 - GROUND FLOOR - ELECTRICAL INSTALLATION

Number	Item Description	Unit	Quant	Rate	Amount
1	Conduit for Electrical Installation Complete as specified including draw boxes, fittings, couplings, adaptors, locknuts, bushes, saddles and accessories. Installed surface against walls, chased into brickwork, casted in concrete and fixed to roof structures.				
a	PVC: 20mm Ø	Supply Install	m m	800 800	
b	PVC: 25mm Ø	Supply Install	m m	600 600	
d	Galvanised steel: 20mm Ø	Supply Install	m m	120 120	
2	Conduit Boxes and Fittings Galvanised steel fixed or chased into new or existing brickwork for wall mount equipment.				
a	60mm round conduit box (PVC)	Supply Install	No No	340 340	
b	100 x 50 x 50mm Deep wall box	Supply Install	No No	40 40	
c	100 x 50 x 50mm Deep surface box	Supply Install	No No	25 25	
d	100 x 100 x 50mm Deep wall box	Supply Install	No No	40 40	
e	100 x 100 x 50mm Deep surface box	Supply Install	No No	28 28	
	TOTAL CARRIED FORWARD			R	

	TOTAL BROUGHT FORWARD			R	
3	Power Skirting and Wiring Duct 2 Compartment, 2Cover Steel, complete including covers and mounting accessories. (Matt Black - similar to existing)				
a	Power Skirting with covers	Supply	m	180	
		Install	m	180	
b	90deg Internal elbow	Supply	ea	24	
		Install	ea	24	
c	Endcaps	Supply	ea	24	
		Install	ea	24	
d	Blank covers for data & Tel outlets	Supply	ea	224	
		Install	ea	224	
e	Wiring Duct complete including covers and mounting accessories. P9000 Galvanised with steel cover, mounted suspended from concrete ceiling	Supply	m	180	
		Install	m	180	
4	Conductors PVC insulated stranded copper conductor drawn into wireways				
a	2,5mm ²	Supply	m	4800	
		Install	m	4800	
b	4mm ²	Supply	m	18000	
		Install	m	18000	
c	6mm ²	Supply	m	200	
		Install	m	200	
d	Green PVC insulated stranded copper earth conductor drawn into wireways 2,5mm ²	Supply	m	12000	
		Install	m	12000	
e	4mm ²	Supply	m	100	
		Install	m	100	
	TOTAL CARRIED FORWARD			R	

	TOTAL BROUGHT FORWARD				R
5	Light Fittings and Equipment				
	Supply and install Light Fittings or equipment complete with lamps, connections, etc (as per lighting schedule and SARS attachments)				
a	Light Fitting: Type F1 (2 Tube open chanel - 2 x 58W EC)				
	Supply	ea	30		
	Install	ea	30		
b	Light Fitting: Type F2 (1200x600 - 3 Tube Recessed 50W T5 EC Dimmable)				
	Supply	ea	68		
	Install	ea	68		
c	Light Fitting: Type F3 (1200x600 - 3 Tube Recessed 36W EC)				
	Supply	ea	38		
	Install	ea	38		
d	Light Fitting: Type F4 (1200x600 - 3 Tube Recessed 36W EC with Battery backup)				
	Supply	ea	26		
	Install	ea	26		
e	Light Fitting: Type F5 (1200x600 - 3 Tube Surface 36W EC)				
	Supply	ea	122		
	Install	ea	122		
f	Light Fitting: Type F6 (2 Tube Vapour Proof - 2 x 58W EC)				
	Supply	ea	4		
	Install	ea	4		
g	Light Fitting: Type F7 (2 Tube Explosion Proof - 2 x 58W EC - Class 1 / Div 1)				
	Supply	ea	4		
	Install	ea	4		
h	Light Fitting: Type H1 (Beka LED Disk dimmable pendant) (Double Volume)				
	Supply	ea	8		
	Install	ea	8		
i	Light Fitting: Type A1 (Radiant Beam Wall Light - 2 x LED)				
	Supply	ea	0		
	Install	ea	0		
	TOTAL CARRIED FORWARD				R

	TOTAL BROUGHT FORWARD			R	
j	Light Fitting: Type A2 (Beka Rondo - 2 x 26W Recessed Downlighter)	Supply Install	ea ea	20 20	
k	Light Fitting: Type A5 (Beka Rondo - 2 x 18W Recessed Downlighter)	Supply Install	ea ea	6 6	
l	Light Fitting: Type A6 (Beka Series 40 Bulkhead - 2 x 18W)	Supply Install	ea ea	9 9	
6	Light Switches Switches - Crabtree type with steel cover plate and earth terminal, to match the existing installation. (Including Brother tape circuit label on cover)				
a	16A 1-lever 1-way switch	Supply Install	ea ea	14 14	
b	16A 1-lever 1-way switch - Wall mounted with occupancy sensor device	Supply Install	ea ea	32 32	
c	16A 2-lever 1-way switch	Supply Install	ea ea	2 2	
d	16A 1-lever 2-way switch	Supply Install	ea ea	36 36	
e	16A 1-lever 1-way switch (with 1000W Dimmer)	Supply Install	ea ea	8 8	
7	Switched Socket Outlets Socket outlets - Crabtree type with cover plate and earth terminal, to match the existing installation. (Including Brother tape circuit label on cover)				
a	16A Three-pin Single switched socket outlet	Supply Install	ea ea	18 18	
b	16A Three-pin Double switched socket outlet	Supply Install	ea ea	18 18	
	TOTAL CARRIED FORWARD			R	

	TOTAL BROUGHT FORWARD				R
c	16A Three-pin switched socket outlet in power skirting	Supply Install	ea ea	154 154	
d	16A Three-pin dedicated switched socket outlet in power skirting	Supply Install	ea ea	154 154	
e	16A Three-pin UPS switched socket outlet with plugtop in power skirting	Supply Install	ea ea	24 24	
f	6A Three-pin unswitched socket outlet with plugtop	Supply Install	ea ea	260 260	
g	Multibox - H-2 (4x8) complete with 1 x 16A Three-pin white switched socket outlet and 1 x red dedicated socket outlet with covers (S2000 Clipsal)	Supply Install	ea ea	5 5	
h	Multibox - H-3 (4x12) complete with 1 x 16A Three-pin white switched socket outlet and 1 x red dedicated socket outlet and 1 x data point with covers (S2000 Clipsal)	Supply Install	ea ea	6 6	
i	Under - Desk Powerset Box - Elec-PB-01 D4 Grid Range complete with overload switch, 2 x 16A Three-pin white switched socket outlets, 1 x earthed 2 pin socket outlet and 2 x shaved red dedicated socket outlets.	Supply Install	ea ea	172 172	
j	Fly Leads Set Only (Interconnection leads) (1 x Red, 1 x White & 1 x Data) for Under - Desk Powerset Box - Elec-PB-01 D4 Grid Range (3m)	Supply Install	ea ea	104 104	
k	Fly Leads Set Only (Power Skirting) (1 x Red, 1 x White & 1 x Data with plugtops) for Under - Desk Powerset Box - Elec-PB-01 D4 Grid Range (2m)	Supply Install	ea ea	86 86	
l	Fly Leads Set Only (Wall) (1 x Red, 1 x White & 1 x Data with plugtops) for Under - Desk Powerset Box - Elec-PB-01 D4 Grid Range (2m)	Supply Install	ea ea	26 26	
m	Power Pole System - Workstation Service Outlet (160 x 60 x 3m) with floor and ceiling mounts complete with 4 x white, 4 x dedicated red socket outlets and 6 x data outlets	Supply Install	Rate Rate	only only	
	TOTAL CARRIED FORWARD				R

	TOTAL BROUGHT FORWARD			R	
8	Remove Existing Electrical Items and Re-Install Elsewhere in the Building (Includes making safe of all electrical and wiring connections safe)				
a	Remove existing Power Skirting with covers,wiring and plugs and re-install elsewhere				
	Supply	m	0		
	Install	m	140		
b	Remove existing Socket Outlet with conduit and wiring and re-install elsewhere				
	Supply	ea	0		
	Install	ea	48		
c	Remove existing Light Switch with conduit and wiring and re-install elsewhere				
	Supply	ea	0		
	Install	ea	30		
d	Remove existing P9000 Duct and wiring and re-install elsewhere				
	Supply	ea	0		
	Install	ea	80		
e	Remove existing Cable Rack and re-install elsewhere				
	Supply	ea	0		
	Install	ea	60		
f	Remove existing old power poles and conduit and wiring, and hand over to client.				
	Supply	sum	0		
	Install	sum	20		
9	Earthing				
a	Earthing and Bonding of installation as specified per building	Sum	1		
	TOTAL FOR BILL NO:4 - CARRIED FORWARD TO SUMMARY SHEET			R	