

PART I - ELECTRICAL INSTALLATION

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

BILL NO: 5 - 1ST 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	400 400	
b	PVC: 25mm Ø	Supply Install	m m	260 260	
d	Galvanised steel: 20mm Ø	Supply Install	m m	80 80	
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	30 30	
b	100 x 50 x 50mm Deep wall box	Supply Install	No No	6 6	
c	100 x 50 x 50mm Deep surface box	Supply Install	No No	6 6	
d	100 x 100 x 50mm Deep wall box	Supply Install	No No	6 6	
e	100 x 100 x 50mm Deep surface box	Supply Install	No No	6 6	
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	Disconnect existing power skirting and re-locate to a different position, complete with wiring and socket outlets)				
	Supply	m	0		
	Install	m	68		
b	90deg Internal elbow				
	Supply	ea	0		
	Install	ea	0		
c	Endcaps				
	Supply	ea	8		
	Install	ea	8		
d	Blank covers for data & Tel outlets				
	Supply	ea	68		
	Install	ea	68		
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	400		
	Install	m	400		
b	4mm ²				
	Supply	m	400		
	Install	m	400		
c	6mm ²				
	Supply	m	80		
	Install	m	80		
d	Green PVC insulated stranded copper earth conductor drawn into wireways 2,5mm ²				
	Supply	m	400		
	Install	m	400		
e	4mm ²				
	Supply	m	40		
	Install	m	40		
	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 channel - 2 x 58W EC)					
	Supply	ea	4			
	Install	ea	4			
b	Light Fitting: Type F2 (1200x600 - 3 Tube Recessed 50W T5 EC Dimmable)					
	Supply	ea	0			
	Install	ea	0			
c	Light Fitting: Type F3 (1200x600 - 3 Tube Recessed 36W EC)					
	Supply	ea	4			
	Install	ea	4			
d	Light Fitting: Type F4 (1200x600 - 3 Tube Recessed 36W EC with Battery backup)					
	Supply	ea	2			
	Install	ea	2			
e	Light Fitting: Type F5 (1200x600 - 3 Tube Surface 36W EC)					
	Supply	ea	4			
	Install	ea	4			
f	Light Fitting: Type F6 (2 Tube Vapour Proof - 2 x 58W EC)					
	Supply	ea	2			
	Install	ea	2			
g	Light Fitting: Type F7 (2 Tube Explosion Proof - 2 x 58W EC - Class 1 / Div 1)					
	Supply	ea	0			
	Install	ea	0			
h	Light Fitting: Type H1 (High Bay Beka Dazzel pendant- 1 X 250 MH) (Double Volume)					
	Supply	ea	0			
	Install	ea	0			
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	0 0	
k	Light Fitting: Type A5 (Beka Rondo - 2 x 18W Recessed Downlighter)	Supply Install	ea ea	0 0	
l	Light Fitting: Type A6 (Beka Series 40 Bulkhead - 2 x 18W)	Supply Install	ea ea	0 0	
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	4 4	
b	16A 1-lever 1-way switch - Wall mounted with occupancy sensor device	Supply Install	ea ea	4 4	
c	16A 2-lever 1-way switch	Supply Install	ea ea	2 2	
d	16A 1-lever 2-way switch	Supply Install	ea ea	2 2	
e	16A 1-lever 1-way switch (with 1000W Dimmer)	Supply Install	ea ea	0 0	
7	Switched Socket Outlets Socket outlets - Crabtree type with steel 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	2 2	
b	16A Three-pin Double switched socket outlet	Supply Install	ea ea	8 8	
	TOTAL CARRIED FORWARD			R	

	TOTAL BROUGHT FORWARD			R	
c	16A Three-pin switched socket outlet in power skirting	Supply Install	ea ea	4 4	
d	16A Three-pin dedicated switched socket outlet in power skirting	Supply Install	ea ea	4 4	
e	16A Three-pin UPS switched socket outlet with plugtop in power skirting	Supply Install	ea ea	0 0	
f	6A Three-pin unswitched socket outlet with plugtop	Supply Install	ea ea	8 8	
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	2 2	
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	0 0	
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	68 68	
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	60 60	
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	22 22	
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	12 12	
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	ea ea	0 0	
	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	10		
b	Remove existing Socket Outlet with conduit and wiring and re-install elsewhere				
	Supply	ea	0		
	Install	ea	6		
c	Remove existing Light Switch with conduit and wiring and re-install elsewhere				
	Supply	ea	0		
	Install	ea	6		
d	Remove existing P9000 Duct and wiring and re-install elsewhere				
	Supply	ea	0		
	Install	ea	10		
e	Remove existing Cable Rack and re-install elsewhere				
	Supply	ea	0		
	Install	ea	10		
9	Earthing				
a	Earthing and Bonding of installation as specified per building	Sum	1		
	TOTAL FOR BILL NO:5 - CARRIED FORWARD TO SUMMARY SHEET			R	