

ALL ITEMS INCLUDE SUPPLY AND INSTALL ATION OF MATERIAL, LABOUR, TRANSPORT AND VAT

ITEM NO	DESCRIPTION	UNIT	RATE
E1	SUPPLY AND INSTALL PVC MULTICORE ARMoured CABLE		
	(a)1.5mm ² x 3 core	Per M	
	(b)2.5mm ² x 3 core	Per M	
	(c)2.5mm ² x 4 core	Per M	
	(d)4.0mm ² x 3 core	Per M	
	(e)4.0mm ² x 4 core	Per M	
	(f)6.0mm ² x 3 core	Per M	
	(g)6.0mm ² x 4 core	Per M	
	(h)10.0mm ² x 3 core	Per M	
	(i)10.0mm ² x 4 core	Per M	
	(j)16.0mm ² x 3 core	Per M	
	(k)16.0mm ² x 4 core	Per M	
	(l)25.0mm ² x 3 core	Per M	
	(m)25.0mm ² x 4 core	Per M	
	(n)35.0mm ² x 3 core	Per M	
	(o)35.0mm ² x 4 core	Per M	
	(p)70.0mm ² x 3 core	Per M	
	(q)70.0mm ² x 4 core	Per M	
E2	SUPPLY AND INSTALL APPROPRIATE CABLE JOINT KIT		
	(a)1.5mm ² -2.5mm ²	Each	
	(b)5.0mm ² -10.0.mm ²	Each	
	(c)10.0mm ² -16.0mm ²	Each	
	(d)16.0mm ² -25.0mm ²	Each	
	(e)25.0mm ² -35.0mm ²	Each	
	(f)35mm ² -70mm ²	Each	
	(g)70mm ² -95mm ²	Each	
E3	SUPPLY AND INSTALL COPPER EARTH WIRE BEAR COMPLETE WITH LUGS OR FERRELS		
	(a)1.5mm ²	per m	
	(b)2.5mm ²	per m	
	(c)4.0mm ²	per m	
	(d)6.0mm ²	per m	
	(e)10.0mm ²	per m	
	(f)16.0mm ²	per m	
	(g)25.0mm ²	per m	
	(h)35.0mm ²	per m	
	(i)50.0mm ²	per m	
	(j)70.0mm ²	per m	
E4	SUPPLY AND INSTALL HRC FUSES		
	(a)100 A	Each	
	(b)150A	Each	
	(c)200A	Each	
E5	FLEXIABLE CABLE AND CORD: INSTALL COMPLETE WITH SADDLES AND GLANDS		
	(a)1.5mm ² twin rip cord	per m	
	(b)2.5mm ² twin rip cord	per m	
	(c)1.5mm ² PVC cabtyre flex 3 core	per m	

	(d)2.5mm ² PVC cabtyre flex 3 core	per m	
	(e)4.0mm ² PVC cabtyre flex 3 core	per m	
	(f)6.0mm ² PVC cabtyre flex 3 core	per m	
	(g)1.5mm ² surfex cable 3 core and earth	per m	
	(h)2.5mm ² surfex cable 3 core and earth	per m	
	(i)4.0mm ² surfex cable 3 core and earth	per m	
	(j)6.0mm ² surfex cable 3 core and earth	per m	
	(k)1.5mm ² surfex cable 4 core and earth	per m	
	(l)2.5mm ² surfex cable 2 core and earth	per m	
	(m)6.0mm ² surfex cable 2 core and earth	per m	
	(n)1.5mm ² flat twin and earth	per m	
	(o)2.5mm ² flat twin and earth	per m	
	(p)4.0mm ² flat twin and earth	per m	
	(q)6.0mm ² flat twin and earth	per m	
	E6 SUPPLY AND INSTALL CIRCUIT BREAKERS SINGLE PHASE		
	(a)10A x 3kA	Each	
	(b)20a x 3kA	Each	
	(c)30A x 3kA	Each	
	(d)40A x 3kA	Each	
	(e)50A x 3kA	Each	
	(f)10A x 6kA	Each	
	(g)20a x 6kA	Each	
	(h)30A x 6kA	Each	
	(i)40A x 6kA	Each	
	(j)50A x 6kA	Each	
	(k)60A x 6 kA	Each	
	(l)70A x 6kA	Each	
	(m)80A x 6kA	Each	
	(n)90A x 6kA	Each	
	(o)100A x 6kA	Each	
	(p)Dummy circuit breaker	Each	
	E7 SUPPLY AND INSTALL CIRCUIT BREAKER DOUBLE POLE (CLIP IN TYPE)		
	(a)10A x 3 kA	Each	
	(b)20a x 3kA	Each	
	(c)30A x 3kA	Each	
	(d)40A x 3kA	Each	
	(e)50A x 3kA	Each	
	(f)10A x 6kA	Each	
	(g)20a x 6kA	Each	
	(h)30A x 6kA	Each	
	(i)40A x 6kA	Each	
	(j)50A x 6kA	Each	
	(k)60A x 6 kA	Each	
	(l)70A x 6kA	Each	
	(m)80A x 6kA	Each	
	(n)90A x 6kA	Each	
	(o)100A x 6kA	Each	
	E8 SUPPLY AND INSTALL CIRCUIT BREAKERS: THREE PHASE		
	(a)60A x 10kA	Each	
	(b)70-80A x 10kA	Each	
	(c)90- 100A x 10kA	Each	

	(d)70A x 15kA	Each	
	(e)125A x 15 kA	Each	
	(f)150 - 160A x 15 kA	Each	
	(g)70A x 25 kA	Each	
	(h)80- 100A x 25kA	Each	
	(i)125A x 25 kA	Each	
	(j)150A x 25kA	Each	
	(k)175- 200A x 25kA	Each	
	(l)225A x 25 kA	Each	
	(m)250A x 25 kA	Each	
	(n)300A x 25kA	Each	
	(o)80- 100A x 15kA	Each	
E9	SUPPLY AND INSTALL EARTH LEAKAGE- SINGLE PHASE: TO TRIP ON EARTH FAULT		
	(a)20A x 3kA	Each	
	(b)30A x 3kA	Each	
	(c)40A x 3kA	Each	
	(d)50A x 3ka	Each	
	(e)20A x 6kA	Each	
	(f)30A x 6kA	Each	
	(g)40A x 6kA	Each	
	(h)50A x 6kA	Each	
	(i)60A x 6kA	Each	
E10	SUPPLY AND INSTALL EARTH LEAKAGE- THREE PHASE: TO TRIP ON EARTH FAULT		
	(a)20A x 3kA	Each	
	(b)30A x 3kA	Each	
	(c)40A x 3kA	Each	
	(d)20A x 6kA	Each	
	(e)30A x 6kA	Each	
	(f)40A x 6kA	Each	
	(g)70A x 6 kA	Each	
	(h)100A x 6kA	Each	
E11	SUPPLY AND INSTALL ISOLATORS		
	(a)60ADouble pole x 6kA	Each	
	(b)80A double pole x 6kA	Each	
	(c)60kA three pole x 6kA	Each	
	(d)80A three pole x 6kA	Each	
	(e)100A three pole x 6kA	Each	
	(f)60A double pole x 6kA	Each	
	(g)80A double x 6kA	Each	
	(h)60A three pole x 3kA	Each	
	(i)80A three pole x 3kA	Each	
	(j)100A three pole x 3kA	Each	
E12	SUPPLY AND INSTALL CIRCUIT BREAKER CONVERSION CLIPS		
	(a)Conversion-Single	Each	
	(b)Conversion Clip- Double	Each	
	(c)Circuit Breaker Blanks	Each	
	(d)Lable circuits	Each	
	(e)Danger sign	Each	

E13	SUPPLY AND INSTALL ISOLATOR		
	(a)60A double pole (flush)	Each	
	(b)60A three pole (flush)	Each	
	(c)60A double pole (surface)	Each	
	(d)Conversion to 100 x 100 x 50 wall box	Each	
	(e)60A double pole (surface- steel)	Each	
	(f)60A three waterproof (HP54)	Each	
	(g)60A three pole (surface)	Each	
	(h)60A three pole (surface - steel)	Each	
E14	SUPPLY AND INSTALL CONDUIT: STEEL BLACK BAKED ENAMEL: SURFACE MOUNTED WITH STEEL RAW BOLTS, SADDLES AND ACCESSORIES		
	(a)20.0mm ²	m	
	(b)25.0mm ²	m	
	(c)32.0mm ²	m	
E15	SUPPLY AND INSTALL CONDUIT: GALVANISED: SURFACE MOUNTED WITH STEEL RAW BOLTS, SADDLES AND ACCESSORIES		
	(a)20.0mm ²	m	
	(b)25.0mm ²	m	
	(c)32.0mm ²	m	
E16	SUPPLY AND INSTALL CONDUIT: PVC SURFACE MOUNTED WITH STEEL RAW BOLTS, SADDLES, SREWS AND ACCESSORIES.		
	(a)20.0mm ²	m	
	(b)25.0mm ²	m	
	(c)32.0mm ²	m	
E17	CONDUIT: ACCSSORIES: SUPPLY, DELIVERY AND INSTALLATION		
	(a)60mm diameter, one, two, three and four way black cast iron draw box with cover and screws for 20mm ² conduit	Each	
	(b)60mm diameter, one, two, three and four way black cast iron draw box with cover and screws for 25mm ² conduit	Each	
	(c)100mm x 100mm x 50 mm Galvanised wall boxes flush in brick wall	Each	
	(d)100mm x 100mm x 50 mm Galvanised wall boxes flush in brick wall	Each	
	(e)100mm x 100mm x 50 mm white enamel extension wall boxes surface	Each	
	(f)100mm x 100mm x 50 mm white enamel extension wall boxes surface	Each	
	(g)100mm x 100mm white baked enamel blank cover plate with screws	Each	
	(h)100mm x 50mm white baked enamel blank cover plate with screws	Each	
	(i)60mm round white enamel cover plate and screws	Each	
	(j)Oversize round white enamel cover plate with screws.	Each	
	(k)20mm ² hospital saddles	Each	
	(l)25mm ² hospital saddles	Each	
	(m)30mm ² hospital saddles	Each	
	(n)As per item E18(g) but galvanised	Each	
	(o)As per item E18(h) but galvanised	Each	
	(p)20 way distribution board	Each	

	(q)20mm ² flexible conduit fitted with male and female connectors complete.	Each	
E18	SOCKET OUTLETS CRABTREE TYPE 3-PIN 250V 16A COMPLETE WITH COVER AND SCREWS INSTALLED.		
	(a)100mm x 100mm single (flush)	Each	
	(b)100mm x 100mm double (flush)	Each	
	(c)100mm x 100mm single with indicator	Each	
	(d)Industrial socket out let wall mounted	Each	
	(e)100mm x 50mm single (flush)	Each	
E19	SWITCHES: CRABTREE TYPE: 250 VOLT 16a COMPLETE WITH COVER AND SCREWS INSTALLED (100mm x 50mm)		
	(a)Single lever one way (flush)	Each	
	(b)Two lever one way (flush)	Each	
	(c)Three lever one way (flush)	Each	
	(d)One lever two way (flush)	Each	
	(e)Two lever two way (flush)	Each	
	(f)Three lever two way (flush)	Each	
	(g)One lever Intermediate (flush)	Each	
	(h)One lever one way industrial	Each	
	(i)Two lever one way industrial	Each	
	(j)Three lever one way industrial	Each	
	(k)One lever two way industrial	Each	
E20	TIME SWITCHES: SIMILAR TO CLIP IN WITH 72 HOUR SPRING RESERVE 20A, 250V		
	(a)Time switch 250V x 20A	Each	
	(b)Omron 11 pin MK3P5-250 V	Each	
	(c)Mechanical timing head type CA2-D22 0-30 SET	Each	
	(d)Coter relay CR2-1022 A	Each	
E21	SUPPLY AND INSTALL PHOTO CELL		
	(a)Photo cell complete with base and bracket mounted 20A x 250 V	Each	
	(b)Vandal proof cover for item E22(a) housed in 100mm x 50mm x 50mm wall box	Each	
E22	SUPPLY AND INSTALL CONTACTORS		
	(a)16A x 250V coil	Each	
	(b)20A x 250V coil	Each	
	(c)16A x 380V coil	Each	
	(d)20A x 380V coil	Each	
	(e)30A x 380V coil	Each	
E23	SUPPLY AND INSTALL LIGHT FITTINGS: COMPLETE WITH LAMPS, STARTING GEAR.		
	(a) JD90-SC/W Complete with 1xE27 ES 230 9W 4000K LED Lamp	Each	
	(b) SL-TITAN-OD-LN 18w 4000K LED BLACK	Each	
	(c) SL-TITAN-OD-LN 18w 4000K LED BLACK EMG 50% 1hr	Each	
	(d) SL-CH-OD-L-35W 4000K LED 1200 WHITE	Each	
	(e) SL-FL-EC 150w 6000K LED BLACK	Each	
	(f) 3 X SL-FL-EC 150W 6000K LED BLACK complete with mounting brackets for on a 9m burried precast concrete pole	Each	

E24	SUPPLY AND INSTALL FLOURESCENT FITTINGS COMPLETE:		
	(a)1.5 m double tube complete (2 x 65W)	Each	
	(b)4ft double LED fitting	Each	
E25	SUPPLY AND INSTALL ACCESSORIES FOR GEYSERS		
	(a)Thermostat similar to VK F7	Each	
	(b)Thermostat similar to VK F11	Each	
	(c)2 kW immersion type element with pocket	Each	
	(d)2 kW immersion type element without pocket	Each	
	(e)3 kW immersion type element with pocket	Each	
	(f)3 kW immersion type element without pocket	Each	
	(g)3 kW megaflow vertical element	Each	
	(h)2 kW megaflow vertical element	Each	
	(i)Thermostat for item E29(g)	Each	
	(j)Thermostat for item E29(h)	Each	
	(k)flange gasket	Each	
E26	Testing and issuance of Certificate of compliance (CoC)		
	(a)per flat	each	
	(b)per block	each	
E27	Labour only Tariff: (making wires safe etc)		
	(a)Tradesman	Per Hour	
	(b)Unskilled labour	Per Hour	
E28	GLANDS AND SHROUDS		
	(a)gland no. 0	each	
	(b)gland no. 1	each	
	(c)gland no. 2	each	
	(d)gland no. 3	each	
	(e)gland no. 4	each	
	(f)gland no. 5	each	
E29	Earthing and Bonding		
	(a)Bonding of Geyser	each	
	(b)Bonding of Trunking	each	
	(c)Bonding of Distribution Board	each	
E30	Wireways and Reticulation		
	Installation of trunking and wireways in accordance with SANS 10142-1		
	(a)Supply and install P8000 trunking for small power and lighting installation.	M	
	(b)Supply and install P8000 trunking vertil dropper to surface mounted electrical Distribution board	M	
	Trunking and Wireways		
E31	Installed on surface		
	(a)P2000 Galvanised trunking complete with metal cover	M	
	(b)P8000 Galvanised trunking complete with metal cover	M	
	(c)P9000 Galvinsed trunking complete with metal cover	M	
E32	Suspended 100mm below soffit		
	(a)P2000 Galvanised trunking complete with metal cover	M	
	(b)P8000 Galvanised trunking complete with metal cover	M	

	(c)P9000 Galvinsed trunking complete with metal cover	M	
E33	Bends		
	(a)P2000 Galvanised trunking complete with metal cover	M	
	(b)P8000 Galvanised trunking complete with metal cover	M	
	(c)P9000 Galvinsed trunking complete with metal cover	M	
E34	Terminations		
	(a)P2000 Galvanised trunking complete with metal cover	M	
	(b)P8000 Galvanised trunking complete with metal cover	M	
	(c)P9000 Galvinsed trunking complete with metal cover	M	
E35	Vertical Installed on surface		
	(a)150mm Galvinised cable tree	M	
	(b)300mm galvanised cable tray	M	
E36	ELECTRICAL INSTALLATION TO FLATS		
	Disconnecting, Stripping and Making Safe of existing electrical installation		
	(a)Stripping anf making safe of existing electrical installation	Per Rate	
	(b)Removal from site of redundant electrical equipment wiring and outlets	Per Rate	
	(c)Tracing and labelling of all electrical outlets in accordance with SANS 10142-1	Per Rate	
	(d)Termination of electrical supply cables in MDB;S in accodance with SANS 10142-1	Per Rate	
	(e)Mains Earthing - Per block in accordance with SANS 10142-1	Per Rate	
	(f)Structural lightning protection per block in accordance with SANS 10142	Per Rate	
	(g)Supply and delivery to site of Prepay Electrical distrisbution board complete with equipment	Per Rate	
	(h)Earthing and bonding of MDB'S and wireways in accordance with SANS 10142-1	Per Rate	