

# **1. ELECTRICAL MATERIAL LIST (AS AND WHEN REQUIRED )**

ITEM	DESCRIPTION
1.0	LIGHTING
1.1	LAMP PL 9 COOL WHITE DULUX S 923 TYPE OSRAM
1.2	LAMP PL13 2PIN ENERGY SAVING
1.3	LAMP PL18 4PIN ENERGY SAVING
1.4	LAMP PL18 2PIN ENERGY SAVER
1.5	LAMP PL26, 2PIN ENERGY SAVING
1.6	LAMP 2 D 16 WATT OSRAM
1.7	LAMP 2 D 28 WATT
1.8	LAMP. 70 W FOR ONE TYPE HS. SON-E 230 V, 50HZ (INTERNAL IGNITOR)
1.9	LAMP, SODIUM VAPOUR. E40 BASE 400 W HIGH PRESSURE, TUBULAR. 230V. 47 MM DIA X 283 MM LONG.( 55/32906-BAL)
1.10	LAMPS, SODIUM VAPOUR. E40 BASE, 250 W HIGH PRESSURE, TUBULAR. UNIVERSAL BURNING 220V - 230V. USERS DESCRIPTION 47 MM DIA X 257 MM LONG.
1.11	LAMPS, SODIUM VAPOUR. E27 BASE, 70 W HIGH PRESSURE, ELLIPTICAL. INCORPORATING INTERNAL IGNITION DEVICE. UNIVERSAL BURNING 220 - 230V. USERS DESCRIPTION 71 MM DIA X 156 MM
1.12	LAMP. 70 W FOR ONE TYPE HS. SON-E E-27 230 V, 50HZ (EXTERNAL IGNITOR)
1.13	LAMP, FLUORESCENT. 1,2 M LONG X 26 MM DIA 36 W COOL WHITE, SWITCH START
1.14	LAMP, FLUORESCENT 590 MM LONG X 26 MM DIA 18 W ,WHITE, SWITCH START
1.15	LAMP, FLUORESCENT. 1,5 M LONG X 26 MM DIA.58 W COOL WHITE, SWITCH START ONLY.
1.16	54 W T5 FLUORESCENT TUBE, 4100 LM, 1200MM
1.17	35 W T5 FLUORESCENT TUBE, 3300 LM, 1450MM
1.18	FLUORESCENT LAMP T5 28 WATT COOL WHITE 1150MM
1.19	14 W T5 FLUORESCENT TUBE, 1100 LM, 550MM,
1.20	18 W T8 LED 4 FOOT TUBE



1.21	LAMPHOLDER. 250 V. BAYONET-CAP. B.22. BRASS, THREADED 20 MM FOR ELECTRICAL CONDUIT, WITH SHADE RING.
1.22	LAMPHOLDER. 250 V, EDISON SCREW E.27, PORCELAIN, NON-SKIRTED, BATTEN TYPE, WITH A BASE AND MOUNTING FACILITIES ON THE OUTSIDE
1.23	LAMPHOLDER. 250 V, GOLIATH EDISON SCREW E40 PORCELAIN, NON-SKIRTED.
1.24	LAMPHOLDER. 250 V, BAYONET-CAP, B.22, BRASS, THREADED 1/2 (26 TPI), WITH SHADE RING,
1.25	LAMPHOLDER. 250 V, BAYONET-CAP, B.22, PORCELAIN, NON-SKIRTED, BATTEN TYPE.
1.26	BALLAST FLUORESCENT 13 WATT FOR 1 * PL/2D LAMP. HARPER NR. C31B1230 OR SIMILAR. 0.17 AMPS. LOW POWER FACTOR
1.27	BALLAST FOR 2 x 1.200 METRE 36W 230W ELECTRONIC INSTANT START
1.28	CAPACITOR FIXED, 250 VOLT AC. 50 HZ. 20 UF SUITABLE FOR 250 W. MERCURY VAPOUR AND 35/55 W. LOW PRESSURE SODIUM VAPOUR LAMPS.
1.29	IGNITOR. FOR 250 & 400 WATT METAL HALIDE & HIGH PRESSURE SODIUM LAMPS UP TO 6A.
1.30	160W SELF-BALLAST LAMPS
1.31	Solar PV lights
<b>2</b>	
2.1	Cabtyre Cable 1.5mm sq.
2.2	Cabtyre Cable 2.5mm sq.
2.3	Suffix Cable 1.5mm sq.
2.4	Suffix Cable 2.5mm sq.
2.5	Suffix Cable 4mm sq.
2.6	Suffix Cable 6mm sq.
2.7	Wire GP Red 1;5mm
2.8	Wire GP Black 1;5mm
2.9	Wire GP Black 4mm
2.10	Wire GP Red 4mm
2.11	Wire GP Black 10mm
2.12	Wire GP Black 16mm
2.13	Wire GP Red 10mm



2.14	Wire GP Red 16mm
2.15	Flexible Cable (Welding Cable) 50 mm
2.16	Flexible Cable (Welding Cable) 70 mm
2.17	Flexible Cable (Welding Cable) 95 mm
2.18	Earth Wire Green
2.19	1.5 mm sq. x 4 Core PVC SWA PVC
2.20	2.5mm sq. x4Core PVC SWA PVC
2.21	10mm sq. x 4 Core PVC SWA PVC
2.22	16mm sq. x 4 Core PVC SWA PVC
2.23	25mm sq. x 4 Core PVC SWA PVC
2.24	35mm sq. x 4 Core PVC SWA PVC
2.25	50mm sq. x 4 Core PVC SWA
2.26	70mm sq. x 4 Core PVC SWA PVC1KV
2.27	95mm sq. x 4 Core PVC SWAPVC 1KV
2.28	120mm sq. x 4 Core PVC SWA PVC 1KV
<b>3</b>	
3.1	box-20mm-1-way-galvanised
3.2	box-20mm-2-way-galvanised
3.3	box-20mm-3-way-galvanised
3.4	box-20mm-4-way-galvanised
3.5	box-side-entry-20mm-1-way-bosal
3.6	box-side-entry-20mm-2-way-angle-bosal
3.7	box-side-entry-20mm-2-way-through-bosal
3.8	box-side-entry-20mm-3-way-bosal
3.9	box-side-entry-20mm-4-way-bosal
3.10	box-side-entry-25mm-1-way-bosal
3.11	box-side-entry-25mm-2-way-angle-bosal
3.12	box-side-entry-25mm-2-way-through-bosal
3.13	box-side-entry-25mm-3-way-bosal
3.14	box-side-entry-25mm-4-way-bosal
3.15	male-adaptor-20mm-bosal



3.16	male-adaptor-25mm-bosal
3.17	male-adaptor-32mm-bosal
3.18	male-adaptor-50mm-bosal
3.19	coupling-20mm-bosal
3.20	coupling-25mm-bosal
3.21	coupling-32mm-bosal
3.22	coupling-50mm-bosal
3.23	solid-bend-20mm-bosal
3.24	solid-bend-25mm-bosal
3.25	solid-bend-32mm-bosal
3.26	solid-bend-50mm-bosal
3.27	Bosal conduit 20mm -galvanised
3.28	Bosal conduit 32mm- galvanised
3.29	Bosal conduit 50mm- galvanised
<b>4</b>	
4.1	box-20mm-4-knock-out-pvc
4.2	conduit-box-20mm-y-box-pvc
4.3	conduit-box-20mm-u-box-pvc
4.4	conduit-box-20mm-pvc-angle-pvc
4.5	conduit-box-20mm-4-way-pvc
4.6	conduit-box-20mm-2-way-pvc
4.7	conduit-box-20mm-1-way-pvc
4.8	conduit-25mm-pvc
4.9	conduit-50mm-pvc
4.10	conduit-40mm-pvc
4.11	conduit-box-25mm-1-way-pvc
4.12	conduit-box-25mm-2-way-pvc
4.13	conduit-box-lid-pvc
4.14	conduit-box-20mm-8-knock-out-pvc
4.15	conduit-box-25mm-4-way-pvc



4.16	flexible-sprague-25mm-pvc
4.17	flexible-sprague-20mm-pvc
4.18	compression-gland-pvc-no-1
4.19	push-on-gland-pvc-no-0
4.20	saddles-25mm-pvc
4.21	25mm-spacer-bar-saddles-pvc
4.22	20mm-spacer-bar-saddles-pvc
4.23	compression-gland-pvc-no-2
4.24	compression-gland-pvc-no-0
4.25	female-adaptor-20mm-pvc
4.26	push-on-gland-pvc-no-1
<b>5</b>	
5.1	110mm HDPE double wall corrugated coil
<b>6</b>	
6.1	400 WATT, 41.08(VMP) SOLAR PANEL, MONO CELL
6.2	105 A/H DEEP CYCLE BATTERIES
6.3	INVERTOR 2000W