

Bill of Materials

APPOINTMENT OF A SERVICE PROVIDER/S TO MAINTAIN, REPAIR OR REPLACE ALL ELECTRICAL ITEMS AND INFRASTRUCTURE ON A THREE YEAR MAINTENANCE AGREEMENT AT KIRSTENBOSCH NBG CAMPUS.

Item	Description	Unit	QTY	Material	Labour	Amount
1	30W Osram LED floodlights					
2	1.5mm surfix wire					
3	Day/Night sensor					
4	4x2 wonder box					
5	Lever switch					
6	4x4 wonderbox with crabtree plug					
7	Timer for lights					
8	2 pin adaptor					
9	20mm pvc conduit					
10	2.5mm surfix from DB					
11	Samite breaker					
12	Plug 4x2pins					
13	Window extractor fan					
14	Crabtree isolator switch					
15	Compressor, expansion valve, orifice, drier and sight glass; regas with R404 gas					
16	Connect new pole lights and plant new pole in existing hole					
17	16mm house wire – red/white/blue/black/green					
18	Connect bulk meter					
19	20W LED fittings					
20	F010 waterproof York box					
21	Double plug					
22	2 lever switch					
23	Double plug					
24	Crabtree power skirting plugs with cradles					
25	16mm house wire – red/white/blue/black/green					
26	Strip out existing transformers and lamp holders					
27	220V LED lamps					
28	220V lamp holders					
29	12V LED lamps					
30	Schneider Iem3250 Energy meter with CT's Fuses					
31	Reconnect motors					
32	Geram Temperature controllers					
33	PT100 thermo probe					

34	Trace, remove and make safe old cable					
35	Issue of electrical compliance certificates					
36	Light and heavy-duty electrical cabling PVC insulated					
37	Electrical trunking, conduit and flexi sleeving					
38	Various sized electrical connectors for cables and wiring					
39	High to low voltage transistors, IC units					
40	UPS units					
41	AC DC transformers					
42	Fuses, fuse plugs and fuse housing units					
43	Electric isolators and surge arrestors					
44	Buzz bars and circuit breakers					
45	Electrical heating elements and coils					
46	Electrical lighting bulbs, LED, Ballard lights, fluorescent, bulkhead luminaire lighting, pole, ceiling and wall mounted lighting, floodlight and Voltex lighting, spotlights, bowl type lighting					
47	Electrical switches and switch housing including waterproof switches					
48	DB switches and wall mountings					
49	Earth leakage switchgear and conductors including DB switchgear and boxes with housing kits					
50	Electrical contactors in various sizes					
51	Electrical timers and day/night light sensing switches (photo electric switches)					
52	Plug connections and power skirting panels, wire channels and joint/junction boxes					
53	Geyser components, thermostats, stove components and fan components					
54	Insulation materials, solvents and hardening sealants					