

STANDARD LIST

ELECTRICIAN DOMESTIC SOLUTIONS

SECTOR : POWER
SUB-SECTOR : DISTRIBUTION DOWNSTREAM
REFERENCE ID : PSS/Q6001



State Council of Educational Research and Training(SCERT)

Vidyabhavan, Poojappura, Thiruvananthapuram - 695 012

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This list of equipment, tool, furniture & consumables are prepared for a batch of 30 students

PART A - EQUIPMENTS			
Sl. No	Name	Specification	Qty
1	Ceiling Fan	1200 mm / 3blades	5
2	Mixer Grinder	500 W/2 jar	5
3	200 VA Inverter with 12 V 28Ah Battery	200 VA, 28Ah	2
4	Induction Cooker	1200 W	5
5	Induction Cooker Coil 6.5 inch /1400 W	1400 W	2
6	Water Heater (3 Litre)	3 Litre	5
7	self priming monoblock pump	0.5 Hp	1
8	Solar PV Panel 50 W	50W	1
9	0.5 hp CSIR Motor	0.5 Hp	3
10	PSC Motor	1/3 hp,48Y	1
11	Universal Motor	220 V/ 3000 RPM	1
12	DOL Starter Single Phase with Box	1 phase	2
13	Non Automatic Iron	1000 W	1
14	Automatic Iron	1000 W	5
15	Non Automatic Iron Heating Element	1-5kw	3
16	Automatic Iron Heating element	750 W	3
17	12V/24 V Battery Charger	Input 110/250 V – Output 12/24 V	1
18	Electric Toaster	700-850W	2
19	Ceiling Fan	BLDC/1200 mm	1

PART- B TOOLS AND ACCESSORIES			
Sl.No	Name	Specification	Quantity
1	Crimping tool / crimping plier	0.2 – 6mm	1
2	Combination Plier 8"	steel 200mm	5
3	Screw Driver Set	32 in 1 - With Magnetic Flexible Extension	5
4	Screw Driver 903	Steel (4 x 0.6)	5
5	Knife Big -BEST	6" heavy duty	5
6	Cutter 7 in 1 Stripper tool	7 in 1	5
7	Wire Stripper and Nipper	8 Inch	5
8	Junior Saw Frame GB	150 mm X 6 "	5

9	Blade packet	steel	5
10	Ball Pein Hammer 500 gms	14"	5
11	Digital Multimeter	200mV – 1000V , 20mA – 20 A	5
12	Double End Spanner Set "6-22"	"6-22"	5
13	Drilling machine 10mm	350 W, 10mm chuck	5
14	Adjustable spanner	10 Inches , 250 mm	5
15	Nose Plier	6"	5
16	Side Cutting Plier	6" heavy duty	5
17	Line Tester	178mm/7.5", 100-500V AC	5
18	HackSaw	12" & 18"	5
19	File tool	200 mm /8"	5
20	Chisel	12 mm	5
21	Pocker	4x25	5
22	Wire Gauge	1-32 steel	5
23	Wiring Board (4x2)	Wooden Board (TW) or MDS	10
24	Soldering kit (iron,stand,solder,flex)	25watt	10
25	Solder Sleeve	1-8mm	1 metre
26	Solder lugs (pin type , ring type)	0.5sqmm, 1sqmm, 1.5 sqmm, 2.5sqmm	200
27	Multi purpose Grease (0.5 Kg)		1
28	Wiring Puller	16ft/5m	1
29	Micrometre	0-25mm	2
30	Box Type spanner set	40 piece – set	1
31	De-soldering Pump	Vaccum suction pump 7-1/2" X 3/4"	1
32	360 degree revolving spanner	48 in 1 Socket	1
33	Bench Wise	Medium	1
34	Single core Multi strand wire – Yellow colour- Coil	0.5 Sqmm	2
35	Single core Multi strand wire - Green colour- Coil	1.0 Sqmm	2
36	Single core Multi strand wire - Red colour – Coil	1.0 Sqmm	2
37	Single core Multi strand wire - Black colour – Coil	1.0 Sqmm	2
38	Single core Multi strand wire - Red colour- Coil	1.5 Sqmm	1
39	Single core Multi strand wire - Black colour- Coil	1.5 Sqmm	1
40	Single core Multi strand wire - Blue colour- Coil	2.5Sqmm	1
41	Flexible Cable conduit	20 mm wire cover conduit	20 m
42	PVC Conduits- Length	3/4"	12
43	12 SWG bare copper conductor – Kg	12 swg	Half
44	2 Way Juction Box	3/4"	12

45	3 Way Junction Box	3/4"	24
46	4 Way Junction Box	3/4"	24
47	Casing & capping	3/4"	2 Length
48	Saddle (Metal)	3/4"	150
49	3 Pin Plug & Socket	6A, Shuttered	12
50	3 Pin Plug & Socket - Power	16A, Shuttered	2
51	Ceiling rose	6A, medium	5
52	Tube light frame with choke	T5,28 W	2
53	Calling bell	240 v AC	6
54	Ring Lugs for cable	0.5Sqmm	12
55	Fork Lugs for cable	0.5Sqmm	12
56	Pin Lugs for cable	0.5Sqmm	12
57	Ring Lugs for cable	1.0 Sqmm	12
58	Fork Lugs for cable	1.0 Sqmm	12
59	Pin Lugs for cable	1.0 Sqmm	12
60	Ring Lugs for cable	1.5 Sqmm	12
61	Fork Lugs for cable	1.5 Sqmm	12
62	Pin Lugs for cable	1.5 Sqmm	12
63	Ring Lugs for cable	2.5Sqmm	12
64	Fork Lugs for cable	2.5Sqmm	12
65	Pin Lugs for cable	2.5Sqmm	12
66	Fluorescent Tube Set	with tube lights	5
67	Lamp holders	Batten type 6 Amps	24
68	Cable splitter	2 way	1
69	Cable splitter	3 way	1
70	Insulation tapes	Red	12
71	Insulation tapes	Black	12
72	Multi meter leads	Red Black	1
73	Tube light holders	220 V, side holder type	4
74	Wiring spring	15 mts	1
75	PVC Round Block	Dozen	3
76	3/4 inch PVC Tee	Dozen	3
77	3/4 Inch PVC Elbow	Dozen	3
78	PVC open surface Modular Box – 1 Module	Nos	60
79	PVC open surface Modular Box – 2 Module	Nos	24
80	PVC open surface Modular Box – 3 Module	Nos	12
81	PVC 16 A Power Socket Module Box	Nos	6
82	Screw 1/2 "	Box	3
83	Screw 3/4"	Box	3

84	Screw 1 1/2"	Box	2
85	Electrical Accessories Chart	Chart for Electrical Accesories	2
86	Voltmeter (0-300V) AC/DC	(0-300V) AC/DC	3
87	Ammeter (0-5A) AC/DC	(0-5A) AC/DC	3
88	Wiring Charts for display	Chart showing wiring Components and wires	2
89	Clamp Meter	Upto 200A current, 750 V Voltage	2
90	Cable Tie	4 "	100
91	Test Lamp set	230 V,40 W	2
92	Digital Insulation Tester	1000 V , 2 G ohms	1
93	Earth Resistance tester	Metravi (0-20/200/2000 Ohm)	1
94	Tools Chart	Tools chart indicating Tools	2
95	SWITCH	6A 1 - WAY	4
96	SWITCH	6A 1 - WAY W / INDICATOR lamp	6
97	SWITCH	6A 2 - WAY	2-Dozen
98	SWITCH	16A 1 - WAY	6
99	SWITCH	16A 2 - WAY	3
100	SWITCH	32A DP SWITCH	1
101	SOCKET	6A 2-PIN/3-PIN (SHUTTERED)-DOZEN	1
102	SOCKET	6A UNISOCKET (SHUTTERED)	6
103	SOCKET	16A 3-PIN (SHUTTERED)	6
104	SOCKET	13A MULTI-PIN SOCKET OUTLET WITH SHUTTER	1
105	BELL PUSH	6A BELL PUSH	6
106	DIMMER / FR	DIMMER 400W	6
107	DIMMER / FR	STEP TYPE FAN REGULATOR	6
108	BUZZER	BUZZER	3
109	NEON PHASE INDICATOR	NEON PHASE INDICATOR RED	1
110	NEON PHASE INDICATOR	NEON PHASE INDICATOR GREEN	1
111	NEON PHASE INDICATOR	NEON PHASE INDICATOR YELLOW	1
112	12 Inch x 8 inch Box	PVC Module Box	2
113	Lamp 40 W	40 W	3
114	Lamp 60 W	60 w	3
115	Led bulb 9 W	9w	6
116	Kitkat Fuse 16 A	16 A, 415 v ceramic	2-Dozen
117	Neutral Link	5-32 A, Porcelin	1-Dozen
118	ICDP SWITCH	32 A , 240 V	3
119	FL Tube Choke	6W-18W	1

120	FL Tube Starter	4-80 W, 220-240 V S10	1
121	FL Tube	40 W	1
122	Thermostat	220 V , upto 100 degree C	1
123	1 sqmm Single strand Wire – Earth Wire	Single core – COIL	1
124	Distribution Boards	6 way SPN DB Double door	2
125	MCB	SP MCB,s 6-32 C curve	3
126	MCB	DP MCB,s 6-32 C curve	3
127	MCB	TP MCB ,s 6-32 C curve	1
128	MCB	FP MCB,s 6-32 C curve	1
129	RCCB	25 A 30MA DP RCCB	1
130	ISOLATORS	63 A DP Isolator	1
131	ISOLATORS	63 A FP Isolator	1
132	Multi Purpose Temporary Panel Board with isolator	Single phase	1
133	single phase energy metre	5-30 A, 2 wire , 240 V 3200imp/kwh	3
134	Single phase Panel Board	8W metal door	1

PART- C CONSUMABLES

Sl.No	Name	Specification	Qty
1	Cotton Waste	5 Kg Pack	3
2	Sandpaper Emery paper	Sheet	12

PART D - CONSUMABLES

Sl.No	Name	Specification	Qty
1	Safety gears, (Helmet)	Polymer material with plastic cradle	5
2	Gloves	415 V – Pair	5
3	Earthing Kit	Electrode	3
4	First Aid Box	Kit	5
5	Fire extinguisher	ABC dry chemical 6 Kg	1
6	Safety Charts	Electric Shock and Treatment	1
7	Safety Charts	First Aid	1
8	Safety Charts	Fire safety	1
9	Safety Belt	Class A	1
10	Safety Goggles	With Ear Protection	2
11	Bench Wise	Medium	1

Part E – FURNITURE			
1	Wooden Wiring Table- Slanting	With Plug Socket	5 Nos
2	Wooden Stool	Seating height 36 Inches	15 Nos
3	Steel office Almira	Double door without mirror 78"x36"x18" or less	2 Nos

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