

STANDARD LIST
DISTRIBUTION LINE MAN

SECTOR:POWER

REFERENCE ID:PSS/Q0102



State Council of Educational Research and Training(SCERT)
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This list of equipment, tool, furniture & consumables are prepared for a batch of 30 students

Part A - FURNITURE			
SL NO	NAME	SPECIFICATION	QUANTITY
1	ALMIRAH STEEL	78"x36"x19"	10
2	ALMIRAH WOODEN	78"x36"x19"	5
3	STEEL RACK	78"x36"x15" with shelves	4
4	OFFICE CHAIRS(stell tubular)	S type with arm rest	5
5	OFFICE TABLE(steel)	4x2x2.5ft, No of drawer 3 (right) 1(left)	5
6	WOODEN STOOL	380x380x460mm	30
7	WOODEN DESK	50x200x76cm	10
8	WOODEN BENCH	80"x15"x17.7"	10
9	WORK BENCH/TABLE	1.8x1.2x0.9 mtr	10

Part B - TOOLS			
SL NO	NAME	SPECIFICATION	QUANTITY
1	Combination plier	8" Heavy Duty	10 Nos
2	Combination plier	6"	30 Nos
3	Nose plier	6"	30 Nos
4	Screw Driver	12"	15 Nos
5	Screw Driver	10"	15 Nos
6	Screw Drive	8"	15 Nos
7	Screw Drive	6"	15 Nos
8	Star Screw Driver	8"	10 Nos
9	Star Screw Driver	6"	10 Nos
10	Line Tester – heavy duty	400v	15 Nos
11	Connector screw driver	Small	10 Nos
12	Spanners (Double end)	6-32	3 Sets
13	Spanners (Ring type)	6-32	2 Sets
14	Box spanner set with box		2 Sets
15	Adjustable spanner	8" - 32 mm	5 Nos

16	Continuity tester		30 Nos
17	Wire cutter	6"	15 Nos
18	Steel cutter	8"	15 Nos
19	wire stripper	20mm	30 Nos
20	Drilling machine medium	Portable type, 500Watt	5 Nos
21	Hack saw with blade	12"	10 Nos
22	Ball peen Hammer	0.5-2 pound	10 Nos
23	Claw Hammer	450gm	10 Nos
24	Chisel	1"	10 Nos
25	Bench vice	12"	5 Nos
26	Ladder (Steel or Aluminium)	10 feet	1 No
27	Ladder (Steel or Aluminium)	8 feet	1 No
28	Crimping tool (Hand)	0 – 16 mm	5 Nos
29	File	Round	5 Nos
30	File	Flat	5 Nos
31	File	Half round	5 Nos
32	Measurement tape	30m – steel	2 Nos
33	Measurement tape	30m – fibre	2 Nos

Part C –SAFETY MATERIALS AND EQUIPMENTS

SL NO	NAME	SPECIFICATION	QUANTITY
1	Fire Extinguisher	4.5kgCO2 type	2Units
2	Fire Extinguisher	Dry Chemical Powder,4.5kg	2Units
3	Fire Extinguisher	Foam type	2Units
4	Goggles	Plain	1No
5	Cotton gloves	Knitted	1 No
6	Hand gloves	11 KV	10Pairs
7	Safety belt (over head work)	Double strap	30 Nos
8	Helmet	HDPE V Type	30 Nos
9	Nylon rope	1"	10m
10	Earth discharge rod	11 KV	10 Nos
11	Equipotential bonding with shorting clips	11 KV	5Sets

Part D-EQUIPMENTS

SL.No	Description	Specification	Qty
1	Voltmeter – DC	(0-1)V	2Nos
2	Voltmeter – DC	(0-5)V	2Nos
3	Voltmeter – DC	(0-10)V	2Nos
4	Voltmeter – DC	(0-50)V	2Nos
5	Voltmeter – AC	(0-300)V	2Nos
6	Voltmeter – AC	(0-500)V	2Nos
7	Ammeter –DC	(0-20)mA	5Nos
8	Ammeter –DC	(0-200)mA	5Nos
9	Ammeter –DC	(0-500)mA	5Nos
10	Ammeter –DC	(0-1)A	5Nos
11	Ammeter – AC	(0-1)A	5Nos
12	Ammeter -AC	(0-50)A	5Nos
13	Clamp on meter	27T	2Nos
14	Clamp on meter 72T	72T	3 Nos
15	Digital multimeter	4 Digit,4000 counts, LCD with backlight ,DC Volt 400mV- 1000V, Freq-99.99-20.00MHz,AC current 40mA-10A, AC volt 4V-750V	10Nos
16	Analogue multimeter	DC voltage-2.5V – 1000V, AC voltage- 10V – 1000V, DC current – 50microAmp – 100mA	5Nos
17	Single phase watt meter	(0-500)w	5 Nos
18	Single phase watt meter	(0-1000)w	5 Nos
19	Three phase wattmeter	(0-1000)w	5 Nos
20	Frequency meter	Digital	1 No
21	Frequency meter	Reed type	1 No
22	Power factor meter	1 phase	1 No
23	Energy meter (static)	1 phase	5Nos
24	Energy meter (static)	3Phase	2 Nos
25	Insulation tester with 3 terminals	1000V	1No
26	Insulation tester with 3 terminals	500V	1No
27	Earth tester with 4 terminals, 2spikes and connecting leads	0-10 Ohm, Digital	1No
28	DC variable powersupply	(0-30)V,2A	5 Nos
29	Auto transformer	1 phase,30A	2 Nos
30	Auto transformer	3Phase,10A	2 Nos
31	Rheostat	(0-100) Ω	2 Nos
32	Rheostat	(0-10) Ω	2 Nos
33	Rheostat	(0-1)k Ω	2 Nos
34	DC variable power supply	(0-30)V,5A	5 Nos
35	Portable cutting/grinding machine	Portable,500 Watts	2 Nos
36	Break Down Voltage Kit (BDV)	0-60 kV	2 Nos
37	CT operated Energy meter	1Phase	1No
38	CT operated Energy meter	3Phase	1No
39	CT	100/5A, Class 1	4 Nos
40	CT	200/5A, Class 1	4 Nos

41	ELCB	20A,20mA	12 Nos
42	MCB	SP,6A	5 Nos
43	MCB	SP,10A	5 Nos
44	MCB	SP,16A	5 Nos
45	MCB	SP,20A	5 Nos
46	MCB	SP,25A	5 Nos
47	MCB	SP,32A	5 Nos
48	Cable jointing Kit	33 kV	1No
49	Cable jointing Kit	11 KV	1No
50	Cable jointing Kit	LT cable	1No
51	TPDT	415V,16A	5 Nos
52	TPMCB	415V,16A	5 Nos
53	Ceiling fan (inductive load)	65 w	5 Nos
54	Wet grinder(inductive load)	Table top, 375 W	1No
55	Electric iron(resistive load)	750W	3 Nos
56	Electric iron(resistive load)	1000w	3 Nos
57	ELCB	32A,30mA	12 Nos

Part E - CONSUMABLES

SL NO	NAME	SPECIFICATION	QUANTITY
1	Carbon Resistors	All values	20 each
2	Capacitors	All types	20 each
3	Transformers	230/6-0-6,500 mA	10 Nos
4	Transformers	230/6-0-6,1A	10 Nos
5	Diode	1N4007	25 Nos
6	Diode	BY127	25 Nos
7	Transistors	BC107	25 Nos
8	Transistors	2N3055	25 Nos
9	Incandescent lamp	60 w	10 Nos
10	Incandescent lamp	100w	10 Nos
11	LED lamp	9 W	10 Nos
12	LED lamp	15W	10 Nos
13	Testing boards		20 Nos
14	Saddle/Clip	12mm	1box
15	Saddle/Clip	19mm	10boxes
16	PVC insulated flexible copper wire	1sq.mm	20 coils
17	PVC insulated flexible copper wire	1.5sq.mm	20 coils
18	PVC insulated flexible copper wire	2.5sq.mm	2 coils
19	PVC insulated flexible copper wire	4sq.mm	1coil
20	PVC conduit	19mm	15 lengths

21	Screws	12mm	1kg
22	Screws	19mm	1kg
23	Screws	25mm	1kg
24	Wiring board(teak wood)	3' x 3'	20 Nos
25	Kit-kat fuse units	5A	25Nos
26	Kit-kat fuse units	15A	25Nos
27	Round block	100mm dia	100 Nos
28	Batton straight lamp holder	230v,5A	100 Nos
29	Junction box with plate	4way,19mm	100 Nos
30	Junction box with plate	3way,19mm	100 Nos
31	Junction box with plate	2way,19mm	50 Nos
32	Elbow	19 mm	100 Nos
33	T – joint	19 mm	100 Nos
34	Push button (spring loaded)	NO – 5A	20 Nos
35	Push button (spring loaded)	NC – 5A	20 Nos
36	SPST (flush mounted)	230V,5A	100 Nos
37	SPST (flush mounted)	230V,15A	25 Nos
38	SPDT (flush mounted)	230V,5A	100 Nos
39	Socket	230V,5A	100 Nos
40	Socket	230V,15A	25 Nos
41	3 pin plug	5A	25 Nos
42	3 pin plug	15A	25 Nos
43	Angle batton lamp holder	230V, 5A	25 Nos
44	Bend	19 mm	50 Nos
45	TPN MCB DB (single door)	4way	2 Nos
46	SPN MCB DB (single door)	4way	2 Nos
47	LT insulator with pin	Pin type	25 Nos
48	HT insulator with pin	Pin type	5 Nos
49	HT insulator with hardware fittings(bolted type)	Disc	5 Nos
50	HT insulator	Guy	5 Nos
51	ACSR conductor	Squirrel Weasel Rabbit Raccoon	50 m 50 m 50 m 50 m
52	Wooden pole	7' long	3 Nos
53	Armoured cable	3.5Core X 50mm	5m
54	Unarmoured cable	3.5Core X 50mm	5m
55	A B cable	3.5Core X 50mm	5m
56	Insulation tape	R,Y,B,G,BLAC K	20 each
57	Straight joint kit	11 KV-3x120 sqmm	15 Nos
58	Straight joint kit	LT-3.5x50 sqmm	15 Nos
59	Termination kit	11 KV-3x120 sqmm	15 Nos
60	Rubber shoe		10sets
61	Base plate	450mmx450m mx75mm	3 sets
62	GI wire	7/10SWG	10m
63	Guy/egg/stay insulator	LT	3 Nos
64	Thimble	LT HT	3 Nos 3Nos
65	Channel arm	100x50x3000mm 75x40x2400mm	2 Nos 2 Nos

66	Lightning Arrester	75x40x1800mm	2 Nos
67	Drop Out fuse	9kV,5kA	3 Nos
68	Nut and bolt for fixing LT cross arm with Clamp	Expulsion type,11kV GI	3 Nos 10 sets
69	Nut and bolt for fixing HT cross arm with Clamp	GI	6 sets
70	Weatherproof Wire 1/1.8	Cable 1.1 KV PVC Aluminium 2x2.5 sqmm sheathed	10m
71	LT Cross Arm	2 Line GI 4 Line GI	5 Nos 5 Nos
72	AB Switch	11 KV Single Break,400A 11KV Single Break,200A	1set 1set
73	Stay Clamp	11 KV LT	5 Nos 5 Nos
74	LT Insulator	Shackle type with strap , nut and bolt	25 Nos
75	Line Spacer	Two Line, Four Line	5 Nos 5 Nos
76	PG Clamp	For Squirrel Weasel Rabbit Raccoon	1 No 1 No 1 No 1 No
77	T Clamp	For Squirrel Weasel Rabbit Raccoon	1 No 1 No 1 No 1 No

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