

Trade wise Raw Material Requirement

Trade **Electrician**

Sector **POWER**

Type of Trade **Engineering Non Machine Group**

NSQF Level **5**

Affiliated to **NCVT**

DGET Trade Code **DGT/1001**

Duration in Years **2**

Intake Per Unit **20**

Raw Material for **First Year Training**

Total Items **1405**

Total Amount **#VALUE!** Rs.

Per Trainee Amount **#####** Rs.

S.N.	Name of Item	Unit or Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
1	• Electrical safety chart (or) display	No.	150	1	150
2	• Gloves	No.	250	1	250
3	• Rubber mat	No.	1500	1	1500
4	• Wooden stool	No.	400	1	400
5	• Safety belt	No.	550	1	550
6	• Shawel	No.	100	1	100
7	• Plastic/Metal bins	Nos.	200	4	800
8	• Trolly with wheels	Nos.	1050	3	3150
9	• Brush and gloves	Pair	300	1	300
10	Emery sheet-'O' grade 300mmx300mm	No.	5	200	1000
11	• Dusting cloth	kg	100	5	500
12	• Dust bin .(labelled)	Nos	40	6	240
13	• Lubricating oil	lit	150	5	750
14	• Cotton waste	kg	40	10	400
15	• Cotton cloth (white)	mtr	25	5	125
16	• Grease	Kg	200	10	2000
17	• ISA 5555 Thickness 8 mmLength -150 mm	No.	150	20	3000
18	• 60 ISF 8 (Length 350 mm.)	Nos	150	20	3000
19	• Slotted cheese head screw M 6 x 20 mm	No.	20	10	200
20	• Slotted cheese head screw M 6 x 125 mm	No.	20	10	200
21	• T.W. plank 30 x 350 x 500	No	150	20	3000
22	• M 10 slotted cheese head screw x 25 mm	No.	20	40	800
23	• M 10 Hexagonal bolt and nut 50 mm	No.	20	40	800

S.N.	Name of Item	Unit or Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
24	• Set screw M 3 x 8 mm .	No.	20	40	800
25	• Washer outer diameter ϕ 20 bore 7 mm, thickness 1.5 mm	No.	10	20	200
26	• Hexagonal nut for M 6 bolt.	No.	10	40	400
27	• 58 ISF 10, length 300 mm	No.	25	40	1000
28	• Hacksaw blade 300 mm (carbon steel)	No.	25	40	1000
29	• ISRO 20 turned and finished to ϕ 18 length 270 mm.	No.	0	20	0
30	• 30 ISF 6 (Length 184 mm)	No.	30	20	600
31	• Steel tube H.F.W ϕ 20, length 174 mm.	No.	40	20	800
32	• Hacksaw blade 300 mm, 18 TPI HSS	No.	70	40	2800
33	• Hard wood 340 x 200 x 30 mm	20	20		0
34	• Teak wood or any other hard wood (360 x 60 x 25 mm) for planning practice and 'T' joint	60	20		0
35	Teak wood or any hardwood 260 x 35 x 30 mm	Nos.	20	40	800
36	Teak wood or any hardwood 295 x 35 x 30 mm	Nos.	20	40	800
37	Teak wood plank 275 x 130 x 25 mm	No.	50	20	1000
38	Teak wood plank. 275 x 190 x 25 mm	No.	60	20	1200
39	• Laminated sheet 250 x 280 x 3 mm	No.	70	20	1400
40	• Sheet iron ISST 220 x 0.5 x 300.	No.	35	20	700
41	• Sheet iron ISST 55 x 0.5 x 105 (for riveting Task 4 same sheet can be used for Tasks 1 to 3))	Nos.	25	40	1000
42	• Trimmers rivets No. 14	Nos.	1.5	200	300
43	• Drill bit S.S. 6 mm SS	No.	55	20	1100
44	• Countersunk bit 6 to 10 mm	No each	125	20	2500
45	• Drill bit SS 3 mm	No.	45	20	900

S.N.	Name of Item	Unit or Measureme nt	Rate per Unit in Rs.	Qty	Amount in Rs
46	• Hexagonal nut (available size)	No.	15	20	300
47	• Square nut (available size)	No.	15	20	300
48	• Conduit pipe 19 mm diameter	No.	20	50	1000
49	• Sheet iron ISST (in mm) 52 x 0.5 x 150	No.		20	0
50	• Pieces of 250 to 300 mm long aluminium	No.	90	20	1800
51	• Pieces of 250 to 300 mm long copper	No.	150	20	3000
52	• Single conductor cable 1.5 sq.mm Cu	Coil	850	5	4250
53	• Single conductor cable 2.5 sq. mm Cu	Coil	1000	5	5000
54	• Bare copper wire No.10 SWG	kg.	600	0.5	300
55	• Multistrand cable 14/0.2 mm Flexible cables with copper conductor	Coil	750	1	750
56	• Multistrand cable 23/0.2 mm .Flexible cables with copper conductor	Coil	750	4	3000
57	• Multistrand cable 48/0.2 mm Flexible cables with copper conductor	Coil	750	4	3000
58	• Single pole plug (double banana plug) 4 mm screw type connection	Nos.	20	60	1200
59	• Crocodile clips insulated 2A and 6A, 250 V	Nos.	15	60	900
60	• PVC cable 3-core copper 23/0.2 mm	Coil	20	1	20
61	• Socket 2-pole with earthing contact 6A, 250 V grade each of different rating and make	No.	25	80	2000
62	• Plug 2-pole with earthing contact	No.	20	80	1600
63	• Socket 2-pole with earthing contact 6A	Nos.	24	80	1920
64	• PVC Cable 3-core 48/0.2 mm	Coil	30	1	30
65	• Plug 3-Pole 6A, 250 V different makes	Nos.	30	40	1200
66	• Plug 3-Pole 16 A, 250 V different makes	Nos.	30	40	1200
67	• Metalclad plug 2-pin with earth 20A	Nos.	120	40	4800
68	• Aluminium cablesPVC single strand cable 1/1.4, 1.5 sq. mm	Coil	550	2	1100
69	•Aluminium cables PVC single strand aluminium cable 1/1.8, 2.5sq. mm	Coil	550	4	2200

S.N.	Name of Item	Unit or Measureme nt	Rate per Unit in Rs.	Qty	Amount in Rs
70	• PVC cable 80/0.2 mm Flexible cables with copper conductor	Coil	550	1	550
71	• PVC cable 128/0.2 mm Flexible cables with copper conductor	Coil	600	1	600
72	• Crimping eyelet, eye hole dia. 6 mm	Nos.	10	20	200
73	• Crimping ferrule 4 mm,10 mm long	Nos.	5	20	100
74	• Crimping spade lug 6A	Nos.	8	20	160
75	• Crimping spade lug 10A	Nos.	10	20	200
76	• Crimping spade lug 16A	Nos.	30	20	600
77	• PVC insulated copper cable 1/1.12	Coil	675	3	2025
78	• PVC insulated aluminium cable 1/1.40	Coil	675	3	2025
79	• PVC insulated copper cable 7/0.914/600V	Coil	1250	3	3750
80	• PVC insulated copper cable 3/0.914/250V	Coil	950	4	3800
81	• Bare copper wire 8SWG	kg.	600	1	600
82	• GI wire 4sq mm	kg.	275	1	275
83	• Hard drawn bare copper wire 4 Sqmm diameter	kg.	650	1	650
84	• Tinned copper wire of dia. 0.91 mm	Coil	625	1	625
85	• Resin-cored solder	kg.	200	1	200
86	• Lug 30 amperes	No.	25	20	500
87	• Resin flux	kg.	1000	0.5	500
88	• Solder stick 60/40	kg.	500	1	500
89	• Matchbox	No.	1	20	20
90	• Blowlamp pin	No.	5	20	100
91	• Kerosene	litr.	30	10	300
92	• Armoured cables UG cable multicore cu/Al. 2.5mmsq3core	mtr	60	80	4800
93	• Binding wire 16 SWG	kg.	575	1	575
94	• S.P.Switch, 6A, 250V	No.	40	200	8000
95	• Resistors 10, 20, 50 Ohms 5 watts	each.	5	20	100
96	• Resistor 20 ohms,2W	No.	5	20	100
97	• Resistors 1K 1 W	Nos.	2	80	160
98	• Resistors 2.2K 1 W	No.	5	20	100

S.N.	Name of Item	Unit or Measureme nt	Rate per Unit in Rs.	Qty	Amount in Rs
99	• Resistors 3.3K 1 W	No.	5	20	1200
100	• Resistors 4.7K 1 W	No.	5	20	100
101	• Toggle switch, SPST, 1amp.	Nos.	10	40	400
102	• Patch cords	Nos.	10	100	1000
103	• Resistor 10 ohm 1 W	Nos.	5	40	200
104	• Resistor 20, 30, 40 & 60 ohm 1 W	No.	20	20	400
105	• Resistors 2K, 1 Watt	Nos.	10	60	600
106	• Resistors, carbon composition 62K Ω 1/4 W, $\pm 5\%$	No.	2	20	40
107	• 33K Ω 1/4 W, $\pm 5\%$	No.	2	20	40
108	• 22K Ω 1/4 W, $\pm 5\%$	No.	2	20	40
109	• Resistors, carbon composition 220 Ω 1/2 W, $\pm 5\%$	No.	5	20	100
110	• 330 Ω 1/4 W, $\pm 5\%$	No.	5	20	100
111	• 470 Ω 1/4 W, $\pm 5\%$	No.	5	20	100
112	• Resistor high value 10mohm1w	Nos.	5	40	200
113	• Resistor low value 2ohm1w	Nos.	2.5	40	100
114	• Resistor 2 ohms 5 W	No.	10	20	200
115	• Resistor 50 ohms 5W	No.	10	20	200
116	• Resistor 10 ohms 5W	No.	10	20	200
117	• Resistor 1K ohms 2W	No.	5	20	100
118	• Resistor 330K ohms 2W	No.	5	20	100
119	• Resistance wire Nichrome/constantine diameter. 0.2 to 0.3mm	kg.	20	1	20
120	• Connecting terminal post 16A	Nos.	20	60	1200
121	• Double-pole switch 250V,6A	No.	90	20	1800
122	• Lamp-holder B.C.Batten	No	20	100	2000
123	• Candle	No.	5	20	100
124	• Potentiometer 500 ohms, 0.5A .	No.	5	20	100
125	• Iron wire 0.2 mm diameter.	kg	20	0.5	10
126	• Double-pole switch 250V,6A	No.	90	20	1800
127	• Resistor 22 ohms 1 W	No.	5	20	100
128	• Resistor 10 ohms 1 W	No.	5	20	100

S.N.	Name of Item	Unit or Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
129	• M.S.bar 12 x 6 x 100 m or (make a M.S. bar to the size of the bar magnet available)	No.	15	20	300
130	• Thread (tensionless)	Roll	5	5	25
131	• Iron fillings	kg.	0	0.5	0
132	• Iron nails	kg.	200	1	200
133	• Cotton thread sleeve 2no3no		2	100	200
134	• Paper pins Small		0.5	100	50
135	• DPST knife switch 16A/ 250V	No.	180	6	1080
136	• Enamelled copper wire 16 SWG	kg	10	2	20
137	• S P S T knife switch 16A / 250V	No.	150	10	1500
138	• PVC insulated cable 4 sq.mm 250V grade	Coil	2200	1	2200
139	• Barrator resistor 0.48 ohms 250W	No.	30	20	600
140	• Cardboard A 4 (R 48) size	No.	15	20	300
141	• Bare copper wire 4 sq.mm	kg	650	1	650
142	• Porcelain connectors 2-way 32A	Nos.	25	20	500
143	• Transparent sheet of plastic,A4 size, 3 mm thick	No.	5	20	100
144	• PVC saddles 50mm	Nos.	5	400	2000
145	• PVC pipe 25 mm 100 mm long	piece.	25	25	625
146	• PVC washer 25mm inner diameter. 50 mm outside dia.	Nos.	5	40	200
147	• Super-enamelled copper wire 22 SWG	Kg	650	2	1300
148	• 4—way terminal pad	No.	160	20	3200
149	• T W plank 150 mm x 300 mm	No.	120	20	2400
150	• Adhesive paste for fixing washers	No.	15	5	75
151	• PVC/Empire sleeve 2 mm	No.	1	20	20
152	• Wooden board with stand	No.	38	20	760
153	• Wound choke (Solenoid coil) DC24volt	Nos.	25	20	500
154	• Tube light choke 40W, 240V	Nos.	65	20	1300
155	• Capacitors paper, mica, electrolytic, mylar, tantalum,variable air core and mica —		4	200	800
156	• Potentrometer 100 k ohm	No.	20	20	400
157	• Single pole, double throw switch 16A 250V	No.	35	20	700

S.N.	Name of Item	Unit or Measureme nt	Rate per Unit in Rs.	Qty	Amount in Rs
158	• 2 MFD 240V/400V Electrolytic capacitor	Nos.	60	20	1200
159	• 4 MFD 240V/400V Electrolytic capacitor	No.	140	20	2800
160	• 8 MFD 240V/400V 50 Hz. Electrolytic capacitor	No.	160	20	3200
161	• I.C.D.P. switch 16 amps, 250 volts	No.	350	5	1750
162	• Wire wound resistor 500Ω/0.5A	No.	15	20	300
163	• Wire wound resistor 100Ω/1.5A	No.	15	20	300
164	• Capacitor 0.1 μF 50v	No.	5	20	100
165	• LED with holder3v	No.	15	20	300
166	• Hook-up wires(Red,Black)	Coil	275	1	275
167	• Wire wound resistor 200 ohms 5w	No.	60	20	1200
168	• Inductor coil, around 40mH	No.	58	20	1160
169	• Electrolytic capacitor, 2.5μFd/415V	Nos.	175	20	3500
170	• Lamps 240V, 15W, BC .	Nos	10	50	500
171	• Lamp BC100W 240V	Nos	5	50	250
172	• Lamp BC200W 240V	Nos	5	50	250
173	• Pendent-holders 6A 250V	Nos.	10	40	400
174	• Cells 1.5V	Nos.	10	24	240
175	• Resistor 5 Ω , 10W	No.	5	20	100
176	• 4 Cell battery pack	Nos.	65	20	1300
177	• miniature lamp 6V / 9V, 300 mA	No.	25	20	500
178	• Resistor 10 Ω , 10W	No.	10	20	200
179	• Distilled water (450ml)	bottle	50	20	1000
180	• Petroleum jelly	Kg	1	0.5	0.5
181	• Clips(Battery)40A	pair	50	5	250
182	• concentrated sulphuric acid	ltr	0.2	2	0.4
183	• Soda bi-carbonate	kg	0.4	0.5	0.2
184	• Sodium bicarbonate solution	kg	0.4	0.5	0.2
185	• Solar cells 125 mW/cm ² , 0.45 V, 57 mA	cells	125	80	10000
186	• Insulation tape 30 cm long	roll.	12	100	1200
187	• Miniature bulb B.C Type 3W 12 V with holder	No.	20	20	400
188	• PVC conduit pipe 25 mm	No.	75	30	2250

S.N.	Name of Item	Unit or Measureme nt	Rate per Unit in Rs.	Qty	Amount in Rs
189	• GI conduit pipe 19 mm and 25mm 3 m long	No.	250	20	5000
190	• PVC Channel 20mm and 25mm 1M long	No.	45	20	900
191	• PVC junction box 1,2,3 and 4 way -19mm & 25mm	No.	25	25	625
192	• PVC bend 19 mm & 25mm	No.	25	25	625
193	• PVC Elbow 19 mm & 25 mm	No.	25	25	625
194	• PVC Tee 19mm & 25mm	No.	25	25	625
195	• GI conduit coupler & Inspection Coupler 19mm & 25mm	No.	65	25	1625
196	• GI Elbow & Inspection Elbow 19mm & 25mm	No.	65	25	1625
197	• Tees & Inspection Tee 19mm & 25mm	No.	65	25	1625
198	• GI junction box -1,2,3 & 4 way square type 19mm & 25mm	No.	70	25	1750
199	• S.P. switch 6A 250V flush type two way	No.	28	50	1400
200	• S.P. switch 6A 250V mounting type single way	No.	35	20	700
201	• Tube light starter holder 6A	No.	25	20	500
202	• Combined tube and starter holder 6A	No.	38	20	760
203	• Tube light holder 6A .	No.	20	20	400
204	• Brass batten-holder 6A 250V	No.	26	20	520
205	• Brass pendent-holder 6A 250V	No.	55	20	1100
206	• 3-pin 6A wall socket, mounting type	No.	38	20	760
207	• 3-pin 16A wall socket, mounting type	No.	55	20	1100
208	• 3-pin 6A wall socket, flush type	No.	38	40	1520
209	• 3-pin 16A wall socket, flush type	No.	55	40	2200
210	• 2-pin 6A wall socket, flush type	No.	30	40	1200
211	• 2-pin 6A mounting type	No.	30	20	600
212	• Ceiling rose 6A 250V 2 plate	No.	35	40	1400
213	• Ceiling rose 6A 250V 3 plate	No.	35	40	1400
214	• Fan regulator	No.	110	20	2200
215	• Kit-kat fuse 16A 250V .	No.	40	20	800
216	• Intermediate switch 6A 250V	No.	210	20	4200
217	• 3-pin 6A 250 V plug .	No.	45	20	900
218	• 3-pin 16A 250 V plug .	No.	45	20	900

S.N.	Name of Item	Unit or Measureme nt	Rate per Unit in Rs.	Qty	Amount in Rs
219	• Terminal plate 16A 250 V 3way .	No.	36	20	720
220	• Neutral link 16 amps	No.	30	20	600
221	• Distribution box 4-way .	No.	650	10	6500
222	• Bell-Push/switch 6A, 250V flush type	No.	35	20	700
223	• Bell-Push/switch 6A, 250V mounting type	No.	35	20	700
224	• HRC Fuse 16A	No.	40	20	800
225	• MCB 1,2 & 3 Pole 25A 440V	No.	100	20	2000
226	• Metal Box 90 mm Square of hexagonal type with top cover	Nos.	12	50	600
227	• T.W. spacers 60mm long 19 mm width and 12mm thick	Nos.	2	25	50
228	• Tinned copper wire 14 SWG	kg	10	1kg	#####
229	• Earth clamps, tinned copper suitable for 19 mm pipe with bolt, nut and washers	Nos.	30	100	3000
230	• G.I. saddles 19 mm	Nos.	2	100	200
231	• G.I. wire as fish wire 14 SWG	kg	450	1	450
232	• P.V.C. bushes suitable for 19 mm pipe	no.	30		0
233	• Conduit check-nut 19 mm	Nos.	4	40	160
234	• T.W. hinged box 375x250x80 mm	No.	65	20	1300
235	• PVC copper cable 3/20	Coils	650	3	1950
236	• 12 mm No.5 wood screws	Box	125	2	250
237	• 20 mm No.6 wood screws	Box	125	4	500
238	• 25 mm No.6 wood screws	Box	125	5	625
239	• Neon lamp flush-mounting 250V with holder 6A	No.	28	20	560
240	• BC bulb 60W, 250V	No.	25	50	1250
241	• Kit-kat fuse-carrier with base flush-type 16A 250V	No.	65	20	1300
242	• Insulated terminals non detachable 4 mm plug entry	Nos.	15	60	900
243	• Flush mounting type D.P. switch 250V 20A with neon indicator	No.	90	20	1800
244	• PVC casing and capping 25mm x 10 mm	No.	20	50	1000
245	• PVC round block 90 mm x 40 mm	No.	35	40	1400

S.N.	Name of Item	Unit or Measureme nt	Rate per Unit in Rs.	Qty	Amount in Rs
246	• T.W. box 250 mm x 100 mm with Sunmica cover	No.	35	20	700
247	• Wood Screw No. 6 X12 mm	Box	125	1	125
248	• PVC Casing and capping Elbow -25 mm	No.	25	20	500
249	• PVC casing and capping Tee (3 way)	Nos.	15	2	30
250	• PVC Casing and capping internal coupler	Nos.	10	3	30
251	• PVC terminal box	No.	40	20	800
252	• PVC round block (90mm x 40 mm)	No.	25	20	500
253	• PVC box 100 mm x 100 mm	No.	15	20	300
254	• PVC 'Tee' 19 mm	No.	15	20	300
255	• Marking thread	No.	10	20	200
256	• Self tapping screw (20 mm)	No.	2	100	200
257	• PVC bend 19mm		10	2	20
258	• PVC pipe 20mm dia.	No.	30	20	600
259	• PVC bend 20mm dia.	No.	20	20	400
260	• PVC elbow 20mm dia.	No.	20	20	400
261	• PVC Tee 20mm dia.	No.	20	20	400
262	• Saddles 20mm dia. heavy gauge	Nos.	2	100	200
263	• Wood screws No.6 18mm	Box	125	1	125
264	• T.W. round blocks with box 90 x 40mm	No.	20	20	400
265	• 3-way junction box 25 mm	No.	10	20	200
266	• 20mm sadles	No.	2	20	40
267	• TW Box 200 x 150 x 40mm .	No.	55	40	2200
268	• PVC sheathed aluminium cable 4 sq mm. 250 V	No.	2250	2Coil	#####
269	• Terminal plate 16 A 6-way	No.	38	20	760
270	• T.W. hinged box 300 x 250 x 80 mm	No.	85	20	1700
271	• PVC Cable clips 10 mm wide 2 mm thick	No.	1		0
272	• T.W. board 250x250x40mm	No.	65	20	1300
273	• Porcelain spacers	Nos.	3.75	20	75

S.N.	Name of Item	Unit or Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
274	• Teak wood gutties (wooden plugs) 40mm square x 60mm long x 30mm square	Nos.	5	100	500
275	• Cement	kg.	9	20	180
276	• River sand	kgs	5	160	800
277	• Rawl plug No.8	Nos	3.75	100	375
278	• Rawl plug Compound	kg	600	.5kg	#####
279	• Wood screws No. 50 x 8 mm	Box	2	1	2
280	• PVC switch box 100 X 100 X 40 mm	Nos.	20	40	800
281	• Flexible conduit 19 mm	Nos.	15	20	300
282	• Conduit coupler 19 mm	Nos.	5	20	100
283	• TW box 300 x 200 x 40 mm	Nos.	15	20	300
284	• TPIC 16A 415V	Nos.	375	10	3750
285	• Saddles 19 mm	Nos.	1	50	50
286	• Wooden gutties	Nos.	0.5	50	25
287	• Angle Iron frame 50 x 30mm .	Nos	150	5	750
288	• G.I. pipe 12.7mm dia.	mtr	50	5	250
289	• G.I. bend 12.7mm dia.	Nos.	50	10	500
290	• C.I.cover hinged to C.I. frame 300 mm square	No.	450	5	2250
291	• G.I.pipe 38mm dia. having 12mm dia. holes	mtr	62	10	620
292	• Reducer 38 x 19 mm	No.	35	5	175
293	• Funnel with 19mm dia. sleeve & wire mesh	No.	45	5	225
294	• G.I.nut for 19mm dia. sleeve & wire mesh	No.	15	5	75
295	• G.I. check-nuts for 19mm dia. G.I.pipe	No.	3.75	5	18.75
296	• G.I.washer 40mm with 19mm hole	No.	10	5	50
297	• G.I. wire No.8 SWG	kg	10	2	20
298	• Copper lug 200 amps with 19 mm dia. hole	No.	48	20	960
299	• Soldering paste	kg	200	0.5	100
300	• Blue metal chips 6mm size	No.	3	20	60
301	• Salt (common)	bags	150	3	450
302	• Coke or charcoal	bags	20	8	160

S.N.	Name of Item	Unit or Measureme nt	Rate per Unit in Rs.	Qty	Amount in Rs
303	• G.I. plate 600mmx600mmx63mm	No.	350	5	1750
304	• 10KW 1W wire wound variable resistor	No.	125	5	625
305	• 5KW 1W fixed resistor	No.	250	20	5000
306	• Water rheostat	No.	600	5	3000
307	• Reflector lamp 100W 240V	No.	34	20	680
308	• Silvered bowl lamp 100W 240	No.	75	20	1500
309	• Bulbs screw cap 6V 100 mA	Nos.	10	40	400
310	• Bulbs screw cap 6V 150 mA	Nos.	10	40	400
311	• Bulbs screw cap 6V 300 mA	Nos.	10	40	400
312	• Bulb-holders	Nos.	3	40	120
313	• Tube light fitting 1200 mm single patti	Nos.	120		0
314	• Tube light starter 40W,250V	No.	25	20	500
315	• Tube light holder plain	No.	14	20	280
316	• Starter holder	No.	15	20	300
317	• MV lamp holder suitable for 240W, 250 V lamp (Goliath screw type) .	No.	45	20	900
318	• MV lamp choke 240 Watts, 250 V	No.	970	5	4850
319	• L.P.M.V lamp 40 W, 250 V	No.	250	20	5000
320	• MV lamp 240W, 250V	No.	450	5	2250
321	• T.W. Board 600 x 1200 x 25	No.	90	20	1800
322	• B.C. lamps 40W /25V .	Nos	20	25	500
323	• Tube light holder plain	No.	20	20	400
324	• Cams	No.	0	20	0
325	• Brushes	No.	15	20	300
326	• Cam drive arrangement with shaft	No.	0	20	0
327	• Electronic sequential controller	No.	950	5	4750
328	• Complete set of circline tube light 30 cm 32 watts 250V 50 Hz with suitable shade and stand	No.	175	20	3500
329	• Fuse carrier 5A	No.	90	20	1800
330	• Potentiometer 10k 2W	No.	45	20	900
331	• Resistor 1K 2W	No.	5	20	100
332	• Copper wire 18 SWG	kg	600	1	600
333	• Nichrome wire 18 SWG	kg	450	1	450

S.N.	Name of Item	Unit or Measureme nt	Rate per Unit in Rs.	Qty	Amount in Rs
334	• 5A fuse wire	No.	35	20	700
335	• Glass catridge fuse with holder 100 mA	No.	5	20	100
336	• Electric bulb 5 W 240 V with holder	No.	85	20	1700
337	• Cleaning brush 2.5 cm dia	No.	15	20	300
338	• Kettle Element 500W/250V	No.	65	20	1300
339	• Asbestos sheet and fibre washers	No.	35	20	700
340	• Element suitable for available Cooking range 1500W, 250V	No.	105	20	2100
341	• Geyser heating element 1500W, 240V	No.	360	20	7200
342	• Geyser thermostat	No.	400	20	8000
343	• Washing machine spares	set	1500	1	1500
344	• Water proofing kit	No.	75	20	1500
345	• Teflon tape/m seal	No.	20	20	400
346	• HRC fuses, 2 Amp	No.	20	20	400
347	• Samples transfoer oil (different samples)	Ltr	75	10	750
348	• Super-enamelled copper wires (AsRequired)	kg	650	5	3250
349	• Empire sleeves 1 mm, 2mm ,3mm	No	90	20	1800
350	• Air-dry varnish	lit	450	1	450
351	•Insulation papers PVC5no7no	kg	520	0.5	260
353	•Items required for reactivating silica gel.	kg	200	0.5	100

Trade wise Raw Material Requirement

Trade **Electrician**

Sector **POWER**

Type of Trade **Engineering Non Machine Group**

NSQF Level **5**

Affiliated to **NCVT**

DGET Trade Code **DGT/1001**

Duration in Years **2**

Intake Per Unit **20**

Raw Material for **Second Year Training**

Total Items **358**

Total Amount **#VALUE!** Rs.

Per Trainee Amount **#####** Rs.

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
1	P.V.C. Insulated cable 3/20 of 660 V Grade	coils	650	3	1950
2	Kit Kat fuse unit 16 A 240 V	set	50	20	1000
3	Pendent Lamp Holder 6A 240 V	No's	15	80	1200
4	S.P. Switch 6A 240 V	No's	15	80	1200
5	B.C. Lamp 25 watt 240 V	No's	15	60	900
6	Fuse wire 5 A copper Tined	Coil	225	1	225
7	Fuse wire 10 A copper Tined	Coil	225	1	225
8	Fuse wire 15 A copper Tined	Coil	225	1	225
9	P.V.C. Insulated copper wire 2.5 sq mm (red) multi strand 600 volt grade	Coil	850	2	1700
10	P.V.C. Insulated copper wire 1.5 sq mm multi strand (red)	Coil	650	1	650
11	P.V.C. Insulated cable 4 sq mm (red)	Coil	2250	1	2250
12	P.V.C. Insulated flexible 14 / 0.2 mm (red)	Coil	550	1	550
13	P.V.C. Insulated flexible 24 / 0.2 mm (red)	Coil	550	1	550
14	Crocodile clips 16A	No's	50	10	500
15	Test lamp	No's	100	4	400
16	D.P.S.T. Knife Switch 16 A 240 V	No	100	5	500
17	Kerosense	Lit	50	10	500
18	Cotten cloth	kg	50	5	250
19	Carbon tetra chloride	Lit	140	10	1400

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
20	Petrol	Lit	100	5	500
21	Sand paper Grade 1 300X300 mm Sq	Sheet	20	50	1000
22	Sand paper 00 smooth Grade 1 300X300 mm Sq	sheet	40	20	800
23	Hack saw blade 300 mm HSS	No's	50	20	1000
24	mobile oil S.A.E 40	Lit.	200	1.5	300
25	Cotten waste	Kg	100	2	200
26	Shell alvania 3 grease or equivalent	Kg	300	2	600
27	Hard wood 3 cm sq 20 cm long	pieces	40	20	800
28	D.P.S.T. Main Switch 32 A 250 V	No's	200	10	2000
29	ICDP main switch 16 A 250 V	No's	400	10	4000
30	ICDP main switch 32 A 250 V	Nos.	500	5	2500
31	Insulated Tape 10 mm	no's	15	80	1200
32	cleaining brush 3 cm Dia.	No's	50	20	1000
33	Resion core solder 60 /40	Kg	950	1	950
34	soldering flux	Kg	500	0.5	250
35	Round brush for cleaning 2 cm	No's	50	20	1000
36	7 milli millinex paper	Kg	325	2	650
37	30 SWG Super enamelled copper wire	Kg	950	4	3800
38	Empire sleeve 1 mm	No's	20	60	1200
39	Empire sleeve 2 mm	No's	20	60	1200
40	Empire sleeve 3 mm	No's	20	60	1200
41	Empire sleeve 4mm	No's	20	60	1200
42	Empire sleeve 5 mm	No's	20	60	1200

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
43	Empire sleeve 6 mm	No's	20	60	1200
44	cotton tape 20 mm	roll	50	20	1000
45	Binding / hemp thread	roll	50	10	500
46	Hylam / fiber wedge 2mm thick	No's	25	60	1500
47	10 milli triplex paper	Kg	275	1	275
48	V 32 Insulation Varnish	Lit	300	2	600
49	Thinner	Lit.	50	5	250
50	Air dry Varnish / shellac	Lit.	300	2	600
51	Lubrication oil	Lit	200	2	400
52	P.V.C. Insulated single strand copper cable 16 SWG	Coil	675	1	675
53	P.V.C. Insulated single strand copper cable 18 SWG	Coil	675	1	675
54	Machine screw 2 BA 30 mm long with 2 washer & 1 nut	No's	10	40	400
55	P.V.C. Insulated stranded AL cable 2.5 sq mm	coils	450	3	1350
56	G.I. Wire 8 SWG	Kg	375	1	375
57	I.C.T.P. 16 A 415 CV	No's	700	6	4200
58	Graph sheet A 4 size	sheet	1	60	60
59	power cable single strand 2.5 sq mm	Coil	950	1	950
60	Tasting prods	Pair	60	20	1200
61	super enamelled copper wire 20 SWG or 22 SWG	Kg	950	2	1900
62	Fibre glass sleeve 1mm	No's	20	60	1200
63	Fibre glass sleeve 2mm	No's	30	60	1800
64	Fibre glass sleeve 4mm	No's	40	20	800
65	Fibre glass sleeve 5mm	No's	50	10	500
66	Bamboo / fibre wedge 50 mm dia.	No's	150	60	9000
67	Painting Brush 25 mm	No	50	10	500
68	Tray 600x600 mmx100mm	no	150	1	150
69	Push Button station with (1NC,1NO)	No	100	20	2000
70	Over Load Relay 3 phase,415 volt,15 amp	No	300	20	6000
71	contactor 3 phase,415 volt,15 amp,240 volt NVC Coil	No	1250	10	12500
72	Plywood 8 mm	sheet	1800	2	3600

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
73	Time delay relay singale phase 10 sec	No	200	10	2000
74	G.I. Wire 14 SWG	Kg	375	1	375
75	Nuts for Grouting Bolts 10 mm	No's	10	80	800
76	Fibare sheet 4'x4'x6mm	sheet	500	10	5000
77	Wire wound enamel insulated resistor 10 Ohm 100 watt	No's	50	20	1000
78	Single pole Knife switch 16 A		450	10No.	#####
79	Bare copper wire 14 SWG	Kg	650	2	1300
80	DOL starter 250 V suitable for 0.5 HP	No	1000	5	5000
81	carbon brush suitable grade / size 10 x10x 50 mm	No's	50	10	500
82	Cement	Kg	10	5	50
83	sand	kg	2	10	20
84	Bolt & Nut 50 x10mm	No's	25	40	1000
85	lamp 100 w 250 v	No's	15	25	375
86	Empire Cloth	sheet	100	1	100
87	Stranded P.V.C. AL cable 7/ 15 mm	Coil	1250	2	2500
88	leatheroid paper 7 no	Kg	275	2	550
89	Carbon composition Resistor 100 ohm 1/2 watt	No	1	100	100
90	Thermister NTC 2 k	No	5	100	500
91	Wire Wound Resistor 200 ohm 20 watt	No	20	100	2000
92	Variable Resistor 5 k ohm 1 watt	No	20	100	2000
93	varistor 14 D 180 K	No	30	100	3000
94	Lihght dependent Resistor PG 5	No	20	100	2000
95	Carbon Film Resistor 10 ohm 1/2 watt	No	1	100	100
96	Capacitor Electrolytic 10 mfd 25 V	No	4	100	400
97	Capacitor Mica 22 PF	No	5	100	500
98	Capacitor Ceramic 222 (Disc Type)	No	2	100	200
99	Capacitor polyster 474 J	No	5	100	1200
100	Inductor 10 mili henery	No	5	100	500
101	Diode IN 4007	No	1	100	100
102	Diode IN 4001	No	1	100	100
103	Diode zener 12 volt 1/4 watt	No	5	100	500
104	Lihght emitting Diode (LED) Red colour	No	2	100	200

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
105	Lihght emitting Diode (LED) Green colour	No	2	100	200
106	Schottky diode 1N 5822	No	5	20	100
107	Varactor Diode SVC 230	No	10	20	200
108	Laser Diode (Red) 650 nm	No	25	20	500
109	Diode BY 127	No	3	20	60
110	Triac BT 136	No	15	20	300
111	SCR C106 D or Equivalent	No	40	20	800
112	Diac D 32 or Equivalent	No	5	20	100
113	IGBT -HG TG 12N60(Pack)	No	45	20	900
114	Transistor BD 136	No	15	100	1500
115	Transistor BC 147	No	2	100	200
116	Carbon variable Resistor 570 ohm 5 watt (Potentiometer)	No	20	20	400
117	Carbon Resistor 100 ohm 1/4 watt	No	1	100	100
118	Carbon Resistor 10 ohm 1/4 Watt	No	1	100	100
119	Carbon Resistor 120 ohm 1/4 Watt	No	1	100	100
120	Carbon Resistor 470 ohm 1/4 Watt	No	1	100	100
121	Carbon Resistor 1k ohm 1/4 Watt	No	1	100	100
122	Carbon Resistor 5.6 k ohm 1/4 Watt	No	1	100	100
123	Carbon Resistor 182 k ohm 1/4 Watt	No	1	100	100
124	Carbon variable Resistor 250 k ohm 1 Watt (POT)	No	20	100	2000
125	Carbon Resistor 180 ohm 1/4watt	No	1	100	100
126	Carbon Resistor 330 ohm 1/4 watt	No	1	100	100
127	Carbon Resistor 47 ohm 1/4 watt	No	1	100	100
128	Carbon Resistor 2.2 ohm 1/4watt	No	1	100	100
129	Carbon Resistor 1 M ohm 1/4 watt	No	1	100	100
130	Carbon Resistor 47 K ohm 1/4 watt	No	1	100	100
131	Carbon Resistor 10 K ohm 1/4 watt	No	1	100	100
132	Carbon variable Resistor 470 K ohm 1/2 watt (POT)	No	20	100	2000
133	Carbon Resistor 180 ohm 1 watt	No	1	100	100
134	Carbon Resistor 4.7 K ohm 1/2 watt	No	1	100	100
135	Carbon Resistor 470 K ohm 1/4 watt	No	1	100	100

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
136	Carbon Resistor 10 K ohm 2 watt	No	1	100	100
137	Carbon Resistor 470 ohm 2 watt	No	1	100	100
138	Carbon variable Resistor 1 K ohm 2 watt (POT)	No	20	60	1200
139	Carbon variable Resistor 250 K ohm 2 watt (POT) 16 mm plastic shaft	No	20	20	400
140	Carbon variable Resistor 4.7 K ohm 2 watt (POT)	No	20	20	400
141	Carbon Resistor 2.2 K ohm 1/2 watt	No	2	20	40
142	Carbon Resistor 220 ohm 1/4 watt	No	1	20	20
143	Carbon Resistor 10 k Ohm 1 watt	No	1	20	20
144	Carbon Resistor 82 K ohm 1/4 watt	No	1	20	20
145	Carbon Resistor 18 K ohm 1/4 watt	No	1	20	20
146	Carbon Resistor 3.9 K ohm 1/4 watt	No	1	20	20
147	Carbon Resistor 390 ohm 1/4 watt	No	1	20	20
148	Carbon Resistor 1.2 K ohm 1/4 watt	No	1	20	20
149	Carbon Resistor 5.6 k ohm 1/4 watt	No	1	20	20
150	Carbon Resistor 10 K ohm 5 watt	No	1	20	20
151	Carbon Resistor 1.5 K ohm 1/2 watt	No	1	40	40
152	Carbon Resistor 3.3 K ohm 1/2 watt	No	1	40	40
153	Carbon Resistor 1 k ohm 1/2 watt	No	1	60	60
154	Carbon Resistor 560 ohm 1/2 watt	No	1	40	40
155	Carbon Resistor 47 k ohm 1/2 watt	No	1	60	60
156	Carbon Resistor 2.2 k ohm 5 watt	No	1	40	40
157	Carbon Resistor 10 ohm 1 watt	No	1	20	20
158	Carbon variable Resistor 1.5 ohm 10 watt	No	1	20	20
159	Carbon Resistor 22 ohm 1 watt	No	1	20	20
160	Carbon Resistor 22 ohm 1 watt	No	1	20	20
161	Carbon Resistor 50 ohm 1 watt	No	1	20	20
162	Carbon Resistor 1 k ohm 1 watt	No	1	20	20
163	Capacitor 0.02 mfd 25 volt	No	2	20	40
164	Capacitor 5.6 mfd disc type	No	2	20	40
165	Capacitor 270 mfd disc type	No	5	20	100
166	Capacitor electrolytic 6.8 mfd 25 volt	No	5	20	100

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
167	Capacitor 0.1 mfd 415 volt	No	5	80	400
168	Capacitor 2.2 kpf (disc type)	No	1	20	20
169	Capacitor 100 pf disc type	No	1	20	20
170	Capacitor electrolytic 2200 mfd 50 volt	No	15	20	300
171	Capacitor 25 mfd 50 volt	No	5	60	300
172	Capacitor 10 mfd 50 volt	No	7	60	400
173	Capacitor 100 nf Disc type	No	1	20	20
174	Capacitor 0.01 mfd	No	1	20	20
175	Capacitor 0.1 mfd	No	1	40	40
176	Capacitor Gang 25-2 J	No	30	20	600
177	Capacitor 100 mfd 25 volt	no	5	100	500
178	Capacitor 2.2 mfd 63 volt	No	5	20	100
179	Capacitor 100 nf polyster	No	10	20	200
180	Capacitor 330 mfd 12 volt	No	5	60	300
181	Capacitor 1000 mfd 25 volt	No	10	60	600
182	Capacitor 2.2mfd 250 volt	no	5	40	200
183	• Inductor (25 SWG, 40 turns on 10mm ferrite rod with formerleatheroid paper) made of	No	20	20	400
184	• Medium wave oscillator coil -	No	20	20	400
185	• Inductor 21 SWG 100 tons 10 mm ferrite rod	NO	10	40	400
186	Stape dowan Transformer 240 volt,12-012 500 ma	No	200	20	4000
187	Stape dowan Transformer 240 volt,24 volt / 12-012 500 ma	No	200	20	4000
188	Stape dowan Transformer 240 volt,7.5/0-7.5 volt / 2 amp	No	150	20	3000
189	Buck boost main Transformer 170-270 volt /1 kva 06 a,06 ac	No	400	20	8000
190	Invertor Transformer iron core laminated 21 swg 25 turns,29 swg 15 turns Primary ,36 swg 285 turns secondry	No	400	20	8000
191	Invertor Transformer 6 volt 20 watt	No	100	5	500
192	Diode 1N4002	NO	2	40	80
193	Diode 1N914	No	2	20	40

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
194	Diode OA 79	No	3	20	60
195	Rectifire Diode 5402	No	5	100	500
196	Diode for bridge 1N112	No	2	100	200
197	Transistor SL 100	NO	15	20	300
198	Transistor BC 107	NO	2	20	40
199	Transistor BD 135	NO	15	20	300
200	Transistor BF 195	NO	15	20	300
201	Transistor BC 157	NO	2	20	40
202	Transistor 2 N 3055 with heat sink	NO	75	20	1500
203	Transistor CL 100	NO	10	20	200
204	UJT 2N 2646	NO	100	20	2000
205	JFET BF 245 B	NO	60	20	1200
206	Bread board 150X150 mm	NO	200	20	4000
207	Tag bord code no 111-01-TB	NO	150	20	3000
208	Lug board genral purpose (5 point)	NO	150	20	3000
209	Genral purpose PCB 40 mm X 80 mm	NO	20	20	400
210	Genral purpose PCB 150 mm X 100 mm	NO	50	20	1000
211	1.5 sq mm copper cable 660 volt Red	Coil	650	1	650
212	1.5 sq mm copper cable 660 volt yellow	Coil	650	1	650
213	1.5 sq mm copper cable 660 volt blue	Coil	650	1	650
214	1.5 sq mm copper cable 660 volt black	Coil	650	1	650
215	bakelite sheet 4' x 4' x 6 mm	sheet	400	2	800
216	1.5 sq mm copper cable 660 volt green	Coil	650	1	650
217	Multistand wire 23/0.2 650 vol;t grade (Blue colour)	Coil	450	1	450
218	Multistand wire 19/0.3 600 volt grade (Blue colour)	Coil	450	1	450
219	PVC Insulated Tinned copper cable 14/0.38	Coil	650	1	650
220	XLPE cable 1.5 sq mm 600 V	Coil	850	1	850
221	Connecting cable 1 sq mm 650 volt grade	Coil	650	1	650
222	Hookup wire (22 SWG) Red	Coil	350	1	350
223	Hookup wire (22 SWG) Black	Coil	350	1	350
224	Main supply cord 3 core 23/02 650 volt gread (2 Mtr)	Coil	1,800	1	1800

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
225	3 pin plug 6 Amp 250 volt	No	15	40	600
226	Base board laminated board 30cm X15cm X3mm	No	60	40	2400
227	Resin core solder 60 /40	Kg	1,000	0.5	500
228	Soldering Flux	Kg	200	0.5	100
229	Nut bolt and washers 3 mm shank 15 mm length Counter shank head type	No	3	20	60
230	Patch cords with clips black & Red	Set	40	20	800
231	Incandescent Lamp with holder 100 Watt 250 volt	no	40	20	800
232	Lamp 6 volt 150 mA	No	5	40	200
233	3 Terminal voltage regulator LM 317 T, TO 220 Package	No	40	20	800
234	SPST Single pole switch 240 volt 6 amp (Toggle type)	No	15	40	600
235	SPDT Switch 240 volt 6 amp (Toggle type)	No	20	40	800
236	IC 7808 quad AND Gate	No	30	20	600
237	IC 7432	No	30	20	600
238	IC 7404	No	30	20	600
239	IC 4049	No	30	20	600
240	IC Base 14 pin	No	15	20	300
241	Electronics relay 170 volt-270 volt / 6volt molded type 3 pin	No	100	20	2000
242	Assembled modules or PCB of online UPS	set	500	10	5000
243	Lead acid battery 6 volt 10 AH Maintenance free	No	300	10	3000
244	Relay 6 volt DC 5 amp with 1 NO /1 NC	No	60	20	1200
245	Fuse unit with fuse 0.5 amp glass type	No	30	20	600
246	Fuse unit with fuse 2.5 amp glass type	No	5	20	100
247	Fuse 250 mA Glass type	No	5	20	100
248	Fuse 2.5 amp glass type	No	15	20	300
249	Fuse 0.5 amp glass type	No	15	20	300
250	Fuse wire 15 A	Coil	275	1	275
251	Insulation tape 20 mm	Roll	15	40	600
252	Screw type incandescent 6 volt 15 watt	No	10	20	200

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
253	Complete fluorescent tube light fitting with 20W tube in suitable sheet metal box	set	300	20	6000
254	silicon grease	Kg	200	0.5	100
255	Push button switch	no	20	20	400
256	neon lamp indicator 5 mm size	No	25	20	500
257	Buzzer 250 volt	No	50	20	1000
258	Detergent soap powder	kg	190	1	190
259	• Adhesive tape 5mtr	No	20	20	400
260	• Thinner/Alcohol/Petrol	ml	100	100	10000
261	• Turret type termination tags, riveting type	No's	10	20	200
262	• Plastic tray, 30 cm x 15 cm approx. -	No	40	5	200
263	– 100 x 75 mm gang box used for conduit wiring	No	50	5	250
264	– Hylum sheet 100 x 75mm x 3mm thick	No	50	5	250
265	– Self threading screw 3mm x 10mm for fixing hylum sheet on gang box	No	2	5	10
266	3mm x 20mm screw and nut (to fix PCB inside the gang box)	Nos.	5	20	100
267	– Spacers 3mm x 10mm (to separate PCB from gang box)	Nos.	3	20	60
268	– 5Amps, 3 core cable (Mains cord)	coil	1800	1	1800
269	– 240V, 6 Amps flush type socket -	No.	30	20	600
270	– 240V, 6 Amps, flush type SP switch -	No.	25	20	500
271	– 240V, 6 Amps, 3 pin plug	No.	30	20	600
272	– Knob suitable for 16 mm plastic shaft pot	No.	10	20	200
273	– Heat sink for SCR (suitable size) for SCR C106	No.	15	20	300

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
274	Flexible wire, 5 Amps, 240V Red,	coil	350	1	350
275	Flexible wire, 5 Amps, 240V blue	coil	350	1	350
276	Flexible wire, 5 Amps, 240V ,green	coil	350	1	350
277	Push button for control panel with 1NC Red knob	No's	50	10	500
278	Push button for control panel with 1NO green knob	No's	40	10	400
279	Push button for control panel with 1NO yellow knob	No's	40	10	400
280	Indicator lamp with holder Red colour	No's	40	10	400
281	Indicator lamp with holder yellow	No's	40	10	400
282	Indicator lamp with holder blue	No's	40	10	400
283	M C B 4 pole 16 A 415 V	No's	800	10	8000
284	M C B 3 pole 25 A 415 V	No's	900	10	9000
285	M C B 2 pole 4 A	No's	300	10	3000
286	M C B 1 pole 20 A	No's	37.5	10	375
287	M C B 1 pole 2 A	No's	150	10	1500
288	Race way 15 x15mm section size width 50 mm pvc type	Mtr	40	10	400
289	Din Rail 15 x 35 x1 mm	Mtr	50	4	200
290	G channel 35 mm	mtr	60	4	240
291	wire clips 10mm	No's	3	60	180
292	Terminal connectors / block 3 way 15 amp	No's	15	50	750
293	Wire ferrule 3mm Dia	No's	2	100	200
294	Grommets 20 mm size dia	No's	5	50	250
295	Lu g / thimble (copper pin)1.5 sq mm	No's	3	100	300
296	Lug / thimble (copper pin) 2.5 sq mm	No's	3	100	300
297	cable binding straps and button 5 mm size	coil	850	1	850
298	Nylon cable ties 2.4 -76 mm	No's	1	50	50
299	Wire sleeve 3mm	No's	5	50	250
300	Banana socket 5 mm	no's	15	20	300
301	Nut bolt and washers 3mm x 20 mm	N0's	3	10	30
302	O L R 3 phase 415 V / 6amp16 amp	No	800	1	800

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
303	Contactor 3 phase 415 Volt 16 A 240 V coil	No's	800	5	4000
304	Timer 1 phase 10 sec	No's	100	5	500
305	Limit switch 1NO + 1NC	No's	250	5	1250
306	ONOFF Rotory switch 3 phase 32 A	No's	250	5	1250
307	Panel Board 3' x2' x1' metal box with winged front door	No's	1500	5	7500
308	Fuse base with carrier (PVC cartiage type16 amp)	no	50	20	1000
309	I C D P switch 16 A/250V	No's	300	5	1500
310	Power socket 250 V /16 A	No's	60	5	300
311	Grease /vasline		300	0.5	150
312	Multi pin wall socket 250 V/6A (2in one) with switch		60	20	1200
313	Solar cells(0.45 V/57mt. 125mW/cm2 540 cells) /solar panel /20 watt 12 volt /	set	1500	1	1500
314	• Gang box with one switch(F/type one way) 250V/5A	No's	50	20	1000
315	• Panel frame suitable to fix the wired solar sales	No's	50	5	250
316	• LED lamp with shad and reflecto 12V/3W -	No's	150	20	3000
317	• Rail splice kit 1/4" slot back (ALU)	No's	62.5	20	1250
318	• Rail -1/4" (ALU)	mtr	100	25	2500
319	Shackle insulator, porcelain 1kV 75mm/90mm	No's	20	20	400
320	• Pin insulator, porcelain 1kV -	No's	15	20	300
321	• Suspension insulator	No's	200	20	4000
322	• Strain insulator	No's	20	20	400
323	• Ring insulator -	No's	20	20	400
324	• Stay/egg insulator	No's	20	20	400
325	• Cotton waste -	kg	50	5	250
326	• Binding wire 14 SWG aluminium	kg	650	1	650
327	• Flat aluminium tape •25 mm	Roll	125	1	125

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
328	Protective grease suitable to apply over the ACSR line conductor	kg	500	0.5	250
329	32 SWG copper conductor,	kg	650	1	650
330	• Clamp suspension type set	No's	200	5	1000
331	• M.S. angle iron cross-arm 50mm x 50mm x 6mm for 240V supply line	mtr	75	5	375
332	• 'C' clamp M.S. size (50x3mm flat) nuts, bolts and washers	Sets.	75	5	375
333	cement	bag	850	1	850
334	sand	kg	2	150	300
335	• Base plate for pole M S 30 mm x 30mm x 6 mm	No.	150	5	750
336	• Casuarina pole of suitable height 4 mtr X 50 mm Dia	Nos.	100	4	400
337	• Wooden box of suitable size having (300x300x450 mm) 2 side openings for concrete pedestal	No.	300	5	1500
338	• Wooden/RCC/iron/tubular pole of 6m	No.	5000	1	5000
339	Earth clips 40 mm -	Nos.	10	40	400
340	• Twin core service cable weather proof or PVC sheathed insulated cable 2.5 sqmm., 250V grade	coil	1450	2	2900
341	• Porcelain ring insulator or PVC 25 mm dia	Nos.	3	70	210
342	• GI pipe 40 mm	m.	100	10	1000
343	• GI bends 40 mm	No.	80	5	400
344	• MS clamps 40 mm, 3mm thick with nut & bolt	Nos.	75	20	1500
345	• Wood screws 40 mm No.8 -	box	175	1	175
346	• Silver paint 200 ml. -	No.	200	1	200
347	• Bombay nails 50 mm	No.	5	8	40
348	• Cable glands (heads) 1"	no	30	4	120
349	• Cable compound	grams	500	200	100000

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
350	• Solder tin and led stick 50/50	kg	1000	1	1000
351	• Clamps for fixing cable 25 dia	No's	10	100	1000
353	Busbar of available current rating and 32 A copper	Nos.	2500	2	5000
354	Plug in boxes 32 A for over head bus bar system installation	Nos.	2800	2	5600
355	Busbar brackets 4 pole hanger clamp for 32 A for over head bus bar system installation	No's	100	4	400
356	Nut and bolts size and quantity for busbar extension standard accessories 32 amp	set	500	5	2500
357	Bus coupler 32 amp for over head bus bar system installation	No.	200	5	1000
358	• Grease 10 g. ECG 66	kg	250	1	250
359	Eletro tube or silicon grease		2000	0.5	