

Trade wise Raw Material Requirement

Trade **Wireman**

Sector **POWER**

Type of Trade **Engineering Non Machine Group**

NSQF Level **4**

Affiliated to **NCVT**

DGET Trade Code **DGT/1009**

Duration in Years **2**

Intake Per Unit **20**

Raw Material for **1st Years**

Total Items **612**

Total Amount **351050 Rs.**

Per Trainee Amount **17552.5 Rs.**

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
1	Lubricating oil No.40	ltr	220	5	1100
2	Cotton waste	kg	35	10	350
3	Cotton cloth	mtr	45	20	900
4	Grease General purpose	kg	220	2	440
5	Emery sheet 00	nos	20	50	1000
6	Distilled water for Battery	lit	20	10	200
7	Petroleum jelly for Battery 2 50gm	grams	200	1	200
8	Test leads with crocodile clips 1.5 Sq.mm	pair	160	6	960
9	Hydrogen peroxide	ltr	220	1	220
10	Clean jar mixing 1 liter cap	No.	200	5	1000
11	Concentrated sulphuric acid	ltr	80	1	80
12	Woods Screws assorted size 15x5,25x8,35x8,50x8,75x8	box	75	10	750
13	Flexible cable with copper conductor 40/36 Twin core	Coil	350	1	350
14	PVC copper cable 14/0.2 mm .3 m.	coil	950	1	950
15	PVC copper cable, PVC copper sheathed cable - as reqd. (assorted small size pieces as reqd. for practice)	Mtr.	28	40	1120
16	Connecting PVC copper cable (Flexible with lugs termination) Assorted	coil	1250	1	1250
17	Steel wire 24 SWG -1 m each	kg	10	30	300
18	Nicrome wire 24 SWG -1 m each	kg	25	30	750
19	Bare Alluminium wire 24 SWG -1 m each	kg	8	30	240
20	Bare copper wire 24 SWG -1 m each	kg	15	30	450
21	Torch cells/battery for Wheatstone bridge as reqd.	nos	15	20	300

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
22	1/18 CTS Alluminium Wire	coil	400	2	800
23	1/18 CTS Copper Wire	coil	950	2	1900
24	3/20 CTS Alluminium Wire	coil	1150	2	2300
25	3/20 CTS Copper Wire	coil	2200	3	6600
26	7/20 PVC Alluminium Wire	coil	1900	2	3800
27	7/20 PVC Copper Wire	coil	2900	2	5800
28	1/18 PVC Alluminium Wire	coil	750	2	1500
29	1/18PVC Copper Wire	coil	850	3	2550
30	3/20 PVC Alluminium Wire	coil	1200	2	2400
31	3/20 PVC Copper Wire	coil	1500	4	6000
32	Bare Copper Conductor 10 SWG	kg	850	2	1700
33	Bare Copper Conductor 17 SWG	kg	850	2	1700
34	Soldering lead wire resin core 60:40 grade 500gm	No	950	1	950
35	Soldering Flux paste	grams	80	100	8000
36	Wire brush brass 25mm	nos	80	12	960
37	soldering iron stand with cleaning pad	nos	350	6	2100
38	Lug Alu. 3 , 4,6,10 mm	nos	10	80	800
39	S.P. swithch,6A,250V Piyano Type	nos	18	40	720
40	.Resistors 10,20,50.ohms 5watts	nos	100	60	6000
41	Resistor 20 ohms,2sw	nos	40	20	800
42	B C lamp 100w ,200w 240 V	nos	60	40	2400
43	.Pendent Holder 6 Amp. 240 V.	nos	20	40	800
44	kit kat fuse 16 A Porcelain,230 V	nos	35	20	700
45	Three pin socket 5 A 240 V..Piyano type	nos	30	40	1200
46	HRC Fuse 40 A	nos	450	20	9000
47	Glass Type Fuse 2A, 5 A	nos	25	20	500
48	Batten Holder, 6 A, 240 V.	nos	25	40	1000

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
49	Angle Holder 6 A, 240 V.	nos	25	40	1000
50	Two Way Switch Piyano Type 6 A 230 v	nos	28	40	1120
51	Intermediate Switch 16 A 240 V.	nos	100	20	2000
52	Three pin socket 5 A.240 V. Toumblar Type	nos	28	20	560
53	PCB 0 No. 2" x 2"	nos	65	100	6500
54	M.S Flat 50x5 mm .	kg	70	25	1750
55	M. S Bar 12 mm.	kg	70	10	700
56	Cutting oil	Ltr	160	2	320
57	HSS Hacksaw Blade 300 mmx 12 mm, 18 TPI	nos	70	100	7000
58	G.I. Pipe 3/4" Class B	foot	45	70	3150
59	Teak wood 2" x2"	foot	8	90	720
60	G.I. Sheet 3 *6 ft size 22 guage	sheet	2600	2	5200
61	winding wire 20 swg, 22 swg	kg	950	2	1900
62	Capacitor Electrolytic Various Capacity 12 v , 24 volt DC	nos	30	20	600
63	Capacitor 2.5mfd , 4 mfd ,230 V AC	nos	115	20	2300
64	Tube light choke 20 w,40w ,230V.	nos	200	20	4000
65	Insulation Tape 3/4" Steelgrip	nos	20	40	800
66	G .I Earth Plate 60x60x 0. 5 c m	nos	800	2	1600
67	G I Earth wire 8 swg	kg	120	2	240
68	M S Nut Bolt 10 mm x 25 mm	nos	40	25	1000
69	salt	kg	20	15	300
70	charcoal	kg	30	15	450
71	Bricks	nos	10	25	250
72	cement	kg	50	25	1250
73	G I Pipe 25 mm Class A	foot	70	10	700
74	Funnel with mesh G.I. for Earthing	nos	350	2	700
75	PVC multistrand copper wire 1 sq. mm	coil	950	10	9500
76	ELCB 40 amp , 440 volt	nos	2500	6	15000
77	corbon Resistance 1/4 watt assorted value	nos	100	25	2500
78	corbon Resistance 1/2 watt assorted value	nos	120	25	3000

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
79	carbon Resistance 1 watt assorted value	nos	150	25	3750
80	Diode 4001 to 4007	nos	35	25	875
81	Diode 5401	nos	10	25	250
82	LED red blue yellow	nos	40	75	3000
83	PCB 0 No. 2" x 4"	nos	120	25	3000
84	Capacitor electrolatic 12 volt, 24 volt, Assorted Value	nos	95	50	4750
85	2 core Flexible Cable 1.5 mm copper	coil	400	1	400
86	3 core Flexible Cable 1.5 mm copper	coil	700	1	700
87	3 core armerd cable 2.5 sq.mm copper	mtr	140	25	3500
88	4 core armerd cable 4 sq.mm copper	mtr	210	25	5250
89	T.W. Batton 3/4 "	foot	15	75	1125
90	T.W. round Block 3"	nos	25	40	1000
91	Jointing Clips 1/2 " 1" 1 1/2" 2"	box	40	2	80
92	Wire Nail 17 No. x 1/2"	kg	70	2	140
93	T.W. Screw 25 x 8 mm	box	110	4	440
94	T.W. Screw 35 x 8 mm	box	140	2	280
95	T.W. Screw 45 x 8 mm	box	160	2	320
96	T.W. Screw 75 x 8 mm	box	220	2	440
97	Two way Switch 6 A Piyano type 250 V	nos	28	40	1120
98	Two way Switch 6 A Toumbler type 250 V	nos	30	20	600
99	Intermediate Switch 16 A 250 V	nos	60	10	600
100	Casing Caping Patti 25 mm	patti	60	25	1500
101	PVC Square Block 4x4	nos	10	40	400
102	PVC Gang Box one way,two way, Three way	nos	30	45	1350
103	3/4 " PVC Conduit Pipe	nos	70	20	1400
104	3/4 " PVC Conduit Elbow	nos	8	20	160
105	3/4 " PVC Conduit Tee	nos	10	20	200
106	3/4 " PVC Conduit One Way Juction Box	nos	10	20	200
107	3/4 " PVC Conduit TwoWay Juction Box	nos	12	20	240
108	3/4 " PVC Conduit Three Way Juction Box	nos	14	20	280
109	3/4 " PVC Conduit Four Way Juction Box	nos	14	20	280
110	3/4 " PVC or MS Saddle	nos	3	100	300

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
111	Electric Ding Dong Bell	nos	80	6	480
112	Electric Buzzer 250 V.	nos	60	6	360
113	5 in 1 Switch Socket Combine Unit 16 A,230 V	nos	240	10	2400
114	Bell Indicator 4 way	nos	280	3	840
115	Bell Push 6 A Piyano Type	nos	22	20	440
116	Rawel Plug (Grip)	pkt	20	20	400
117	M S conduit Pipe 3/4 "	foot	30	100	3000
118	M S conduit Elbow 3/4 "	nos	25	20	500
119	M S conduit Tee 3/4 "	nos	25	20	500
120	M S Saddle 3/4 "	nos	3	20	60
121	M S conduit one way junction box 3/4 "	nos	30	20	600
122	M S conduit two way junction box 3/4 "	nos	35	20	700
123	M S conduit three way junction box 3/4 "	nos	40	20	800
124	M S conduit four way junction box 3/4 "	nos	50	20	1000
125	Halogen lamp 500 w , 1000 w, 230V.	nos	1500	12	18000
126	Sodium vapour lamp 80 w, 230V.	nos	450	6	2700
127	Mercury vapour lamp 80 w, 230 V.	nos	700	6	4200
128	Holder Edison screw type 6 A, 230V.	nos	160	6	960
129	Choke Ballst type 80 w ,230V.	nos	350	6	2100
130	Igneter for H P MV Lamp	nos	120	6	720
131	Flourecent tube 40 w / 250 v	nos	60	6	360
132	Tube Starter 20 w , 40 w	nos	20	24	480
133	Connecting wire single strand for tube fitting	coil	300	2	600
134	Bi-pin tube light side holder	nos	15	24	360
135	Holder for tube starter	nos	15	12	180
136	Tube fixture 2 ' and 4'	nos	440	12	5280
137	CFL Lamp 10 w 15 w 20 w 25 w / 220v	nos	100	24	2400
138	LED lamp 3 w 5 w 14 w 20 w / 220v	nos	100	24	2400
139	Flexible copper wire 40/36 swg single core	coil	400	3	1200
140	Miniature Lamp 12 v	nos	9	100	900
141	Miniature Lamp holder 12 v	nos	5	100	500
142	ICDP 16 A, 32 A, 230 V	nos	3100	6	18600

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
143	ICTP 16 A , 32 A, 415 V	nos	3250	6	19500
144	DOL starter single phase 16 Amp.250v	nos	1850	2	3700
145	DOL starter 3 phase phase 6-12 A/440v	nos	2100	2	4200
146	RJ 45 Cable	coil	9000	2	18000
147	RJ 45 cable socket connector	nos	15	100	1500
148	Co-axial Cable	coil	9000	2	18000
149	Co-axial Cable connector	nos	40	100	4000
150	Dish Antina set (Dish,LNB,Fixture Nut bolt)	set	2500	2	5000
151	Blank C D For Computer	nos	20	100	2000
152	White Paper A4 size Rim	Rim	200	6	1200

Trade wise Raw Material Requirement

Trade **Wireman**

Sector **POWER**

Type of Trade **Engineering Non Machine Group**

NSQF Level **4**

Affiliated to **NCVT**

DGET Trade Code **DGT/1009**

Duration in Years **2**

Intake Per Unit **20**

Raw Material for **2nd Year Training Years**

Total Items **351**

Total Amount **272092 Rs.**

Per Trainee Amount **13604.6 Rs.**

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
1	Diode - IN 4001 or IN 4007	nos	50	100	5000
2	Diode - 5401	Nos	6	25	150
3	LED - Red , Yellow , Blue	Nos	5	75	375
4	Transister - BC 140 , SL 100	Nos	70	30	2100
5	Zenar Diode -10 volts 1 watt or assorted values	Nos	40	30	1200
6	UJT - 2N2646	Nos	80	30	2400
7	SCR - TY 6004 , 2N4444 , 2N4442 , C106	Nos	240	40	9600
8	IC - 555 , 741 , LM 7805 & , Varius Values	Nos	20	30	600
9	PCB - 0 no	Nos	65	40	2600
10	Soldring Wire 60:40	gms	1100	0.5	550
11	Soldring Flux	gms	80	0.1	8
12	Electric Bell Ding Dong 250 V 50HZ AC	nos	120	6	720
13	Electric Buzzer250 V 50 HZ AC	nos	80	6	480
14	Bell Push Piyano Type 6A 250 V	nos	22	20	440
15	Electric Iron Coil 550 Watt	nos	50	10	500
16	Asbestos Sheet	nos	15	10	150
17	40/36 Three Core copper Multistrand Cable	coil	3200	1	3200
18	Immerssion Heater 1500 Watt 250 V	nos	700	2	1400
19	Tube Fitting Complite set 40 Watt 250V	nos	280	6	1680
20	Crocodile Clips 16 Amp	pair	60	6	360
21	Fuse Wire1 Amp 100gms	Roll	120	3	360
22	Fuse Wire 2 Amp	Roll	140	3	420
23	Fuse Wire 10 Amp	Roll	140	3	420
24	Fuse Wire 5 Amp	Roll	160	3	480

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
25	Kit kat Fuse 16 Amp, Porcelain	nos	40	20	800
26	1.5 Sq. mm PVC Multistrand Copper Wire	coil	1200	5	6000
27	Kerosene	ltr	80	5	400
28	Oil SAE 40	ltr	280	3	840
29	Cotton Cloth	meter	80	10	800
30	Cotton Waste	kg	80	10	800
31	Cleaning Brush 2" , 3"	nos	125	5	625
32	Sand Paper 00 no	nos	20	10	200
33	2.5 Sq. mm PVC Multistrand Copper Wire	coil	1600	5	8000
34	4 Sq. mm PVC Multistrand Copper Wire	coil	2200	3	6600
35	6 Sq. mm PVC Multistrand Copper Wire	coil	2800	3	8400
36	Carbon Brush For DC Generator	pair	40	6	240
37	2.5 Sq. mm PVC Multistrand Copper Wire	coil		7	0
38	Pendent Holder 240 V , 6A	nos	20	20	400
39	B C Lamp 100 Watt 240 V , 6A	nos	20	20	400
40	B C Lamp 200 Watt 240 V , 6A	nos	40	20	800
41	PVC Insulation Tape 3/4" (Steel Grip)	nos	15	20	300
42	10 Mfd Capacitor Single Phase 240 V ,	nos	130	6	780
43	4 Core armoured cable 2.5 Sq mm Copper	meter	220	50	11000
44	3 Core armoured cable 4 Sq mm Aluminium	meter	210	50	10500
45	D O L Starter Three Phase, 415 V. 6 -12 A.	nos	2100	2	4200
46	Semi Automatic Star Delta Starter 3 Ph, 415 V,	nos	5000	2	10000
47	Single Phasing Preventor 415 V	nos	850	3	2550
48	Push button Starter Mechanical Type, 3 Ph, 415	nos	1800	3	5400
49	Contactors for starter 16 Amp, 415 V	nos	1200	3	3600
50	D O L Starter Single Phase 16 A, 230V	nos	1100	3	3300
51	2 Core 1.5 Sq.mm Allu.armoured cable	meter	150	50	7500
52	Brass Gland 1/2 inch	nos	60	24	1440
53	Aluminium Lugs 3, 4 mm	nos	90	24	2160
54	Aluminium Bus bar 01 meter *25 mm *3 mm	nos	190	8	1520
55	Nut Bolts with Washer 1 " * 6 mm GI	nos	12	100	1200

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
56	Bus bar support Insulator Poecelain	nos	115	10	1150
57	I C T P 16 Amp 220 V	nos	1850	10	18500
58	I C T P 32 Amp 440 V	nos	2850	6	17100
59	MCCB 100 Amp 440 V	nos	3500	1	3500
60	Single Phase Transformer 9-0-9 Volt	nos	140	6	840
61	Single Phase Transformer 12-0-12 Volt	nos	160	6	960
62	11 K. V. Pin Type Insulator	nos	450	20	9000
63	11 K. V. Shackle Type Insulator	nos	520	20	10400
64	11 K. V. Stay Insulator	nos	250	20	5000
65	11 K. V. Disc Type Insulator	nos	850	20	17000
66	Binding Wire 14 SWG	meter	15	100	1500
67	ACSR Conductor 11 K. V.	meter	160	20	3200
68	Bare Copper Conductor 8 SWG	kg	850	2	1700
69	Bare Copper Conductor 10 SWG	kg	850	2	1700
70	Bare GI Conductor 8 SWG	kg	140	2	280
71	Bare GI Conductor 10 SWG	kg	140	2	280
72	Kit Kat Fuse 100 Amp, Porcelain	nos	350	6	2100
73	MCB 25 Amp	nos	250	6	1500
74	ELCB 40 Amp	nos	2200	6	13200
75	RCCB 100 Amp	nos	3500	2	7000
76	HRC Fuse 100 Amp	nos	600	2	1200
77	Rotary Switches - Various values 1 ph 16 amp	nos	1050	2	2100
78	Toggles Switches - Various values	nos	32	2	64
79	Mercury Switches - Various values	nos	480	2	960
80	Cooker Control Switches - Various values	nos	350	2	700
81	U G Cable 4 Core Copper 4 x 25 Sq mm PLIC cable	meter	450	10	4500
82	U G Cable 3 Core Aluminium 25 Sq mm PLIC cable	meter	350	10	3500
83	U G 3 1/2 Core Copper bus bar chamber suitable	meter	450	10	4500
84	Alluminium lugs 25 sq. mm	set	60	1	60
85	Bus bar chamber	set	1600	1	1600
86	Thimbles / Lugs 1.5 Sq. mm	nos	15	50	750
87	Nylon Ties for cable 150mm.	nos	3	100	300