

Trade wise Raw Material Requirement

Trade **Mechanic Auto Electrical and Electronics**

Sector **AUTOMOTIVE**

Type of Trade **Engineering Non Machine Group**

NSQF Level **4**

Affiliated to **NCVT**

DGET Trade Code **DGT/1124**

Duration in Years **1**

Intake Per Unit **20**

Raw Material for **I ST Years**

Total Items **561**

Total Amount **171232** Rs.

Per Trainee Amount **8561.598** Rs.

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
1	cotton waste	kg	80	10	800
2	broom	no	100	5	500
3	Dust bin	no	1500	1	1500
4	hand wash	ltr	190	5	950
5	Hand rubber gloves tested for 5000 V	pair	148	5	740
6	Safety goggles	no	90	6	540
7	fire extinguishers refill	no	1200	2	2400
8	kerosin	ltr	70	5	350
9	Petrol	ltr	107	10	1070
10	Diesel	ltr	98.81	15	1482.15
11	Distilled water	ltr	20	15	300
12	Electrolite 1.130 gravity	ltr	30	10	300
13	Oil SAE20W40	ltr	280	10	2800
14	nut bolt 10 ,12,14 mm	Each	160	12	1920
15	lock tight	no	711	1	711
16	Anti rust spray	no	299	3	897
17	hacksaw blade	no	20	100	2000
18	Ms Flat 65x10, Fe310	kg	64	10	640
19	Ms Flat 50x10, Fe310	kg	64	20	1280
20	Ms Flat 50x03, Fe310	kg	64	12	768
21	round bar 12 mm	kg	65	5	325
22	GI sheet 8"x4" (feet) 18 gauge	Sq Mt	88	32	2816
23	Aluminium rivets flat head / as required	kg	250	0.250	62.5
24	GI pipe 1/2" inch (15 mm)	feet	106	20	2120
25	Automobile wire 4 .mm	roll	1680	2	3360
26	Automobile wire 5 .mm	roll	1790	2	3580

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
27	Automobile wire 8 .mm	roll	1820	1	1820
28	Soldering wire	kg	539	0.200	107.8
29	Soldering Rod	kg	382	0.250	95.5
30	Soldering Flux	kg	145	100	14500
31	soldering iron 240w, 230 v	no	360	2	720
32	automobile blade fuse 4,5,10,20,25,30,40 amp	no	60	6	360
33	Automobile 5 pin relay	no	140	4	560
34	jumper wire	roll	255	1	255
35	hydrometer	no	220	1	220
36	Petroleum jelly 200gm	no	199	1	199
37	Plastic funnel	no	84	1	84
38	Crocodile Battery clips 200 amps	no	60	6	360
39	Sodium bicarbonate 250gm	no	40	1	40
40	Diode -1N4007, 1N5408,1N5822	no	150	10	1500
41	NPN transistor BC547, MJE200 BC639	no	300	10	3000
42	PNP transistor TIP32C, BC557, BD140	no	300	10	3000
43	Resistor different value	no	100	50	5000
44	Electronic switches	no	20	10	200
45	PCB sheet / Solderless bread board	no	245	6	1470
46	LED 1.5 v. Green & Red	NO	5	40	200
47	welding electrod 3.15	box	550	1	550
48	Fluorescent liquid penetrant testing kit	no	950	1	950
49	53 no and 67 no bulb	each	30	10	300
50	Speedometer able as per required	no	180	1	180
51	Temperature sensor as per required vehicale	no	1050	1	1050
52	Temperature gauge as per required vehicale	no	270	1	270
53	Fuel gauge as per required vehicale	no	310	1	310
54	oil pressure light as per required vehicale	no	165	1	165

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
55	Ignition coil as per required vehicale	no	452	1	452
56	Distributor assembly as per required vehicale	no	2100	1	2100
57	spark plug as per required vehicale	no	250	4	1000
58	Ignition Condensor for distributor	no	250	1	250
59	C.B point	no	110	1	110
60	HT cable set	set	490	1	490
61	Hall effect sensor	no	1400	1	1400
62	Optical sensor	no	700	1	700
63	Starter motor brush as per required	set	750	2	1500
64	Starter motor bush as per required	no	110	2	220
65	Starter motor rocker plate as per required	no	850	2	1700
66	Starter motor Pinion as per required	no	1250	1	1250
67	Starter motor Solenoid switch as per required	no	1500	1	1500
68	cotton Tape	roll	110	1	110
69	Varnish Spray	no	599	1	599
70	Grease	kg	280	2	560
71	Jeally grease	kg	380	1	380
72	Battery cable 1000Amp Red	Mtr	280	4	1120
73	Battery cable 1000Amp Black	Mtr	280	4	1120
74	Ignition switch car	no	1225	1	1225
75	Battery Terminal lug	no	20	8	160
76	Battery terminal +ve & -ve	no	40	8	320
77	Alternator Brush with brush holder as per required	set	290	2	580
78	Alternator voltage Regulator as per required	no	850	2	1700
79	Alternator Diode Rectifire as per required	no	1280	2	2560
80	Alternator Rotor as per required	no	975	1	975
81	Alternator Stator as per required	no	1450	1	1450
82	Ball Bearing 6203	no	350	2	700
83	Ball Bearing 6202	no	250	3	750

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
84	Fuel filter petrol engine	set	750	1	750
85	Fuel filter Diesel engine	set	800	1	800
86	09.v Battery	no	30	5	150
87	Insulation tape	no	15	12	180
88	Test probe heavy	set	180	4	720
89	Dry Cell 1.5 v	no	15	4	60
90	Oxygen sensor	no	2800	1	2800
91	Coolant temprature sensor	no	480	1	480
92	Throttle position sensor	no	1000	1	1000
93	Camshaft position sensor	no	1100	1	1100
94	crankshaft position sensor	no	850	1	850
95	Knock Sensor	no	980	1	980
96	Mass Airflow sensor	no	795	1	795
97	vehicale speed sensor	no	975	1	975
98	Electric Fuel injector	no	2250	2	4500
99	Automatic Transmission oils As required	ltr	450	5	2250
100	Battery 12 v 80 Ah	no	8000	2	16000
101	Brake fluids	ltr	489	2	978
102	Prussian blue.	no	85	2	170
103	Drill Twist (assorted)	set	1300	1	1300
104	Emery paper smooth	no	20	12	240
105	Accelerator pedal sensor	no	1950	1	1950
106	Lapping abrasives	no	750	1	750
107	Leather Apron	no	390	5	1950
108	Radiator Coolants	ltr	320	2	640
109	Power steering oil	ltr	320	3	960
110	Air conditioning gas R-134 A	no	750	2	1500
111	Air conditioning Compressor oil	ltr	465	1	465
112	Head light bulb	no	180	2	360
113	1141 No bulb	no	25	10	250
114	67 No bulb	no	15	10	150
115	Head light bulb holder	no	170	2	340
116	LED Projector Head light bulb	no	850	2	1700
117	flasher unit	no	150	2	300

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
118	Combination switch	no	1200	2	2400
119	Head light Relay	no	450	2	900
120	Brake light switch	no	150	2	300
121	Hazard light switch	no	165	1	165
122	Body (Chassis) erth wire	no	280	2	560
123	LED Bulb tail light	no	70	10	700
124	Turn signal lamp LED	no	75	4	300
125	Head light Sealed beam	no	2200	2	4400
126	Fog light LED	no	400	2	800
127	Car interior lights	no	200	2	400
128	Horn Realy	no	210	1	210
129	Wiper blade	pair	420	2	840
130	Wiper Switch	no	690	1	690
131	wiper motor brush with brush holder	no	210	2	420
132	wiper motor armature	no	450	1	450
133	windshild wiper washer motor	no	400	2	800
134	Cleaning spray	no	225	2	450
135	Power window remote	no	1450	1	1450
136	lug 6,8,10,14,17 mm	no	160	24	3840
137	Female manual terminal	no	70	24	1680
138	car spekars	set	1600	1	1600
139	paint polish	lit	800	0.5	400
140	fuse (blade)5A,10A,15A, 20A, 30A,40A	each	60	5	300
141	fuse (blade)5A,1A,5A, 10A, 15A,	each	25	5	125