

**Trade wise Raw Material Requirement**

Trade **Pump Operator cum Mechanic**

Sector **AUTOMOTIVE**

Type of Trade **Engineering Non Machine Group**

NSQF Level **4**

Affiliated to **NCVT**

DGET Trade Code **DGT/1044**

Duration in Years **1**

Intake Per Unit **20**

Raw Material for **First Year Training**

Total Items **139**

Total Amount **44680 Rs.**

Per Trainee Amount **2234 Rs.**

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
1	Air Bleeding Screw for engine	Nos.	10	06	60
2	Gland Rope 10 mm., 8 mm.	MT.	20	6	120
3	Oil paper 24 swg. 2' x 3'	Nos.	30	30	900
4	Hailed sheet 1.5 mm.	Kg.	50	2	100
5	Cork Sheet 1.5 mm.	Kg.	50	2	100
6	Traction Rubber 2 mm.	Kg.	50	2	100
7	Assorted types transistor	Nos.	01	40	40
8	Auto fuse	Nos.	05	05	25
9	Banjo bolt & Washer	Nos.	20	06	120
10	Battery Acid	Bottle	15	1	15
11	Bearing (As Reqd.)	Nos.	200	03	600
12	Brush Cleaning 2"	Nos.	20	10	200
13	Bulb 100 Watt	Nos.	40	02	80
14	Bulb 200 Watt	Nos.	30	02	60
15	Bulb 60 Watt	Nos.	20	02	40
16	Bolt Studs & Nuts 10, 12,	gm	50	0.25	12.5
17	C D on Heat Treatment Process	Nos.	100	01	100
18	Check valve 1"	Nos.	100	02	200
19	Connecting Rod Nut Bolt Washer	Nos.	30	03	90
20	Clamp for steel wire	Nos.	20	02	40
21	Control box for submersible pump	Nos.	500	01	500
22	Copper Pipe 1/4"	Feet	20	11	220
23	Cotton Waste	Kg	10	30	300
24	Counter Sinking Tool 12 mm	Nos.	30	01	30

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
25	Cylinder Heat Gasket	Set	100	1	100
26	D. O. L. Starter	Nos.	300	01	300
27	Detergent	Kg	100	5	500
28	Diesel	Lit.	78	30	2340
29	Distilled Water	Bottle	20	1	20
30	Drill 6 mm to 13 mm	No	250	1	250
31	Dye Penetrant	gm	100	0.25	25
32	Electrical Cable 3 sq.mm	Bundle	1000	1	1000
33	Electrodes 3.15 mm	pkt	250	2	500
34	Emery Paper '00'	Nos.	20	04	80
35	Emery Paper '0'	Nos.	20	06	120
36	Empire Sleeve 2, 3, 4 & 6mm	mtr	20	4	80
37	Engine Oil ( Multi Grade) 20W/40 T	lit	250	10	2500
38	Filler Rod	gm.	50	0.5	25
39	Fire Extinguisher Refill	No	300	1	300
40	Flux for Soldering	gm.	150	0.25	37.5
41	Fuel filter element	Nos.	100	01	100
42	Fuel Pipe for Fuel Filter to Fuel	Nos.	80	02	160
43	Fuel Pipe for Fuel Tank to Fuel	Nos.	80	02	160
44	Fuse Wire	Roll	20	1	20
45	G. I. Bend ½"	Nos.	20	06	120
46	G. I. Cross ½"	Nos.	30	06	180
47	G. I. Elbow ½"	Nos.	20	06	120
48	G. I. Pipe ½"	Feet	20	100	2000
49	G. I. Plug ½" Male	Nos.	10	06	60
50	G. I. Plug ½" Female	Nos.	10	06	60
51	G. I. Reducer 1"x ½"	Nos.	20	06	120
52	G. I. Coupling/ Socket ½"	Nos.	15	06	90
53	G. I. "Tee" ½"	Nos.	15	06	90
54	G. I. Union ½"	Nos.	30	06	180
55	G. I. Wire 2mm	Kg	50	1	50
56	G. M. Gate Valve ½"	Nos.	100	02	200

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
57	G. I. Sheet 24 swg 4'x8'	Nos.	200	01	200
58	Gate Valve 1"	Nos.	120	02	240
59	Globe Valve 1"	Nos.	150	02	300
60	Grease	Kg	200	1	200
61	H. D. P. E. Pipe 1"	Feet	20	10	200
62	Hacksaw Blade 300mm 24 TPI/ 18	each	10	200	2000
63	Hex Bolt 10, 12, 14x50mm	gm.	200	0.5	100
64	Hex Nut 10, 12, 14 mm	gm.	200	0.25	50
65	Hook up Wire	Bundle	100	1	100
66	Hydraulic Fluid	lit	100	3	300
67	Hydrometer	Nos.	20	01	20
68	I. C. D. P. Switch 415v, 16A	Nos.	300	01	300
69	Insulating Sleeves, 2, 3, 4 mm	MT.	20	3	60
70	Insulating varnish	Lit.	80	1	80
71	Insulation Tape 12 mm	Nos.	20	06	120
72	Iron Powder 200gm	Nos.	20	1	20
73	Teflon Tape	Nos.	10	20	200
74	Kerosene	Lit.	80	5	400
75	Kit Kat Fuse 16A, 250 V	Nos.	100	04	400
76	Lamp 12 V, 20 W	Nos.	20	02	40
77	Lugs 4mm	Pkt.	20	1	20
78	M. S. Flat 50x10 mm	Kg	60	50	3000
79	M. S. Flat 50x5 mm	Kg	60	15	900
80	M. S. Flat 65x10 mm	Kg	60	40	2400
81	M. S. Flat 75x10 mm	Kg	60	70	4200
82	M. S. Round Bar 25 mm	Kg	60	5	300
83	M. S. Round Bar 10 mm	Kg	60	5	300
84	M. S. Square Bar 10 mm	Kg	60	5	300
85	Manila Rope 08 mm	Feet	20	25	500
86	Nylon Rope 8mm	Feet	20	25	500
87	Oil Filter element	Nos.	150	01	150
88	Organic Solvent	Kg	100	1	100

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
89	P. V. C. Insulated Copper Wire	Bundle	300	1	300
90	P. V. C. Insulated 1.5 mm sq.	Bundle	500	1	500
91	Oil Filter element	Bundle	150	01	150
92	P. V. C. Solution 100ml	Nos.	40	1	40
93	Patch Cord ( RYB Black) (PNP &	No	20	10	200
94	Pendent Holder	Nos.	20	05	100
95	Piston Ring Set	Nos.	80	02	160
96	Prussian Blue150gm	Nos.	20	1	20
97	Putty Knife	Nos.	20	01	20
98	Red, Yellow, Blue, Black Color	Bundle	100	2	200
99	Relay 12V	Nos.	30	02	60
100	Resistors ( Assorted)	Box	100	1	100
101	Rubber Pad for Mounting fuel tank	Nos.	50	08	400
102	Solder250gm	Nos.	50	1	50
103	Solenoid 12V	Nos.	100	02	200
104	S. P. Switch 6A, 250V	Nos.	20	20	400
105	Split Pin 3mm	Nos.	05	05	25
106	Steel Wire Rope 8mm	Feet	20	15	300
107	Stud 10, 12, 14mm (Length 100mm) 250gm	Nos.	30	3	90
108	Transistor NPN 2A		30	03	90
109	Valve for engine	Pair	50	1	50
110	Vaseline200gm	Nos.	50	1	50
111	Washer10, 12, 14 mm 250gm	Nos.	20	1	20
112	Wire Brush	Nos.	30	02	60
113	Wooden gutters 40x60x60	Pkt.	30	1	30
114	Wooden Screws 10x60 mm	Pkt.	30	1	30
115	Wooden Screws 6x25 mm	Pkt.	50	1	50
116	Bulb Holder	Nos.	20	06	120
117	2 Pin Socket	Nos.	10	06	60
118	3 Pin Socket	Nos.	20	03	60
119	Battery	Nos.	1200	01	1200

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
120	Assorted types of diode (Zener	Nos.	01	40	40
121	Diode data book	Nos.	20	01	20
122	Battery terminal	Nos.	20	02	40
123	U- P. V. C Pipe ½"	Feet	20	100	2000
124	U- P. V. C Bend ½"	Nos.	20	06	120
125	U- P. V. C Cross ½"	Nos.	20	06	120
126	U- P. V. C Elbow ½"	Nos.	20	06	120
127	U- P. V. C Plug male ½"	Nos.	10	06	60
128	U- P. V. C Plug female ½"	Nos.	10	06	60
129	U- P. V. C Reducer ½"x1"	Nos.	15	06	90
130	U- P. V. C Coupling ½"	Nos.	10	06	60
131	U- P. V. C Tee ½"	Nos.	15	06	90
132	U- P. V. C Union ½"	Nos.	25	06	150
133	Pipe die & die Stock ½", ¾	Set	500	1	500
134	Foot Valve	each	200	1	200
135	Ring Pipe	Feet	30	20	600
136	Ring Pipe	Feet	30	20	600
137	Hose Clamp	each	30	2	60
138	U. P. V. C. Valve ½"	Nos.	150	01	150
139	Petrol	lit.	105	5	525