

Trade wise Raw Material Requirement

Trade **Mechanic Tractor**

Sector **AUTOMOTIVE**

Type of Trade **Engineering Non Machine Group**

NSQF Level **4**

Affiliated to **NCVT**

DGET Trade Code **DGT/1028**

Duration in Years **1**

Intake Per Unit **20**

Raw Material for **First Year Training**

Total Items **620**

Total Amount **#VALUE!** Rs.

Per Trainee Amount **#VALUE!** Rs.

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
1	First aid box	No	550	1	550
2	Cotton waste	kg	75	50	3750
3	Wood saw dust	kg	50	1	50
4	fire extinguishers	Ltr	4000	4	16000
5	Oil SAE 40	Ltr	350	15	5250
6	Grease	kg	300	20	6000
7	Chalk (white)	box	30	3	90
8	Prussian blue	tube	30	2	60
9	Emery paper	Nos	20	20	400
10	Wire brush	No	50	15	750
11	Chalk (Colour)	Nos	35	1	35
12	Measuring tape (5 mtr)	No	250	2	500
13	Kerosene	liter	80	25	2000
14	Oil pump packing	Nos	90	1	90
15	Tyre pressure gauge	Nos	300	1	300
16	Drill HSS dia 8.5	No	150	10	1500
17	Stud extractor	set	400	2	800
18	H.C.S. hacksaw blade	No	20	50	1000
19	Cooling oil	liter	100	2	200
20	M.10 Tap set HCS	set	500	1	500
21	Piece die m8	No	700	2	1400
22	M.S. round bar 9MM	kg	70	2	140
23	Two piece die M8	No	1000	2	2000
24	GI sheet 24 gauge	sheet	3000	1	3000
25	Rivets M.S. 4mm dia flat/round head 200gm	gm	400	1	400

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
26	Drill 3.5mm	Nos	120	2	240
27	Marker pen CD marker	no	25	6	150
28	GI wire 4mm	kg	70	5	350
29	GI pipe 1.5 inch	fit	50	50	2500
30	Union 1.5 inch	No	40	15	600
31	Taplon tape	No	10	20	200
32	Hole tight GI pipe fitting solution	kg	30	1	30
33	Sutli (Twine) 250gm	gm	80	1	80
34	Flux ammonium chloride 250 gm	gm	50	1	50
35	Emery cloth	no	30	5	150
36	HCL (dilute)	lit	40	0.5	20
37	Soldering metal - copper wire	gm	800	0.25	200
38	1.5 mm sq. copper wire	bundle	800	2	1600
39	Soldering wire 22 SWG	gm	600	0.4	240
40	Soldering flux	gm	400	0.4	160
41	Soldering gun 25 watt	Nos	260	10	2600
42	S.P. switch 5 amp	Nos	25	40	1000
43	Battan holder	Nos	30	40	1200
44	Lamp 100/60 watt	Nos	20	40	800
45	HRC fuse 16 amp	Nos	60	5	300
46	MCB/ELCB 16 amp	Nos	125	2	250
47	Lamp 40/25 watt	No	20	40	800
48	Electrolyte	lit	20	10	200
49	Hydrometer	Nos	300	2	600
50	Funel	Nos	20	1	20
51	Relay 12v/10 amp	Nos	30	10	300
52	RELAy 24v/10 amp	Nos	30	10	300
53	Solenoid switch 12v	Nos	60	10	600
54	Diode 1N4007	Nos	1	100	100
55	Diode 1N5408	Nos	2	100	200
56	Transistor BC548 NPN	Nos	3	50	150
57	Transistor BC558 PNP	Nos	3	50	150
58	Dotted PCB 4*6	Nos	70	10	700
59	LED red / green / yellow	Nos	2	50	100

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
60	Transformer 12-0-12/500MA	No	70	10	700
61	MS flat 150*50*10 mm	kg	65	95	6175
62	MS electrode dia 3.15 mm	box	400	3	1200
63	MS electrode dia 4 mm	Nos	700	1	700
64	HSS hacksaw blade	no	60	40	2400
65	Hand gloves (leather)	pairs	200	5	1000
66	MS strip 150*50*03 mm	kg	65	8	520
67	CC MS filler rod dia 1.6 mm	kg	400	1.5	600
68	Oxygen cylinder refilling	Nos	700	2	1400
69	Acetylene cylinder refilling	Nos	2000	1	2000
70	Spark lighter	Nos	50	1	50
71	Welding goggle	No	30	5	150
72	Paraffin oil	lit	70	2	140
73	Iron powder	kg	300	2	600
74	Cotton cloth	mtr	30	2	60
75	Wax	gm	150	0.50	75
76	Liquid for penetrating test	litr	400	5	2000
77	Hydraulic oil	litr	150	6	900
78	Caustic soda	kg	80	2	160
79	Petrol	litr	88	2	176
80	Emery pest - rough and smooth	no	300	1	300
81	Engine packing set (As required)	set	600	1	600
82	Celik bottle	Nos	40	5	200
83	Timing cover packing	Nos	80	1	80
84	Anti rust solution	litr	200	1	200
85	Therostat valve	Nos	950	1	950
86	Radiator pressure cap	Nos	150	As per required	#VALUE!
87	Thermometer	Nos	500	1	500
88	Fan belt	Nos	200	1	200
89	Turbocharger packing set	set	130	1	130
90	Carburetor packing	set	75	1	75
91	Tappet cover packing	Nos	70	1	70
92	Fuel filter	pairs	600	1	600

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
93	Banjo bolt	Nos	25	15	375
94	Banjo washer	Nos	5	8	40
95	Flexible fuel pipe	no	300	1	300
96	Diesel	lit	76	75	5700
97	Pressure pump filter	Nos	60	1	60
98	Fuel pipe	each	600	1	600
99	Clutch plate liner	set	500	1	500
100	Clutch thrust bearing	No	500	1	500
101	Oil SAE 90	lit	270	20	5400
102	Gear box packing	set	550	1	550
103	Transfer case packing set	set	400	1	400
104	Transfer case oil seal	set	240	1	240
105	Transfer case bearing		3000	1	3000
106	Differential gasket		300	1	300
107	Differential oil seal		300	1	300
108	Back lash adjustment seams		60	1	60
109	Ring gear		700	1	700
110	Self locking nut		20	1	20
111	Circlip		35	1	35
112	Mounting bolt		20	1	20
113	Sun gear		250	1	250
114	star gear		250	1	250
115	Reae axle bearing		1200	1	1200
116	Rear axle oil seal		300	1	300
117	PTO shaft oil seal		300	1	300
118	PTO shaft bearing		4000	1	4000
119	Grease nipple		25	1	25
120	Dust seal		30	1	30
121	Steering gear box bearing		500	1	500
122	Steering gear box oil seal		300	1	300
123	Front axle spindal bearing		750	1	750
124	Spindal seams		40	1	40
125	Front axle hub oil seal		200	1	200
126	Dust seal		70	1	70

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
127	Hub bearing		900	1	900
128	Hydraulic steering box oil seal		300	1	300
129	Distributor valve		1800	1	1800
130	Hydraulic pipe		925	1	925
131	Nut and bolt	no	40	1	40
132	Raw rubber	gm	300	0.5	150
133	Rubber solution	Tube	250	1	250
134	Marker (oily chalk)	No	50	5	250
135	French chalk powder	kg	140	5	700
136	Black oil paint	lit	400	5	2000
137	Polish paper (rough)	Nos	30	20	600
138	Balance weight		10	1	10
139	Brake liner		75	1	75
140	Brake oil	lit	310	2	620
141	Hydraulic brake oil seal set	set	575	3	1725
142	Packing set	set	700	1	700
143	Clutch plate	set	2000	1	2000
144	Linch pin		25	1	25
145	Bearing		450	1	450
146	Plastic pipe		300	1	300
147	Test lamp	Nos	100	1	100
148	Rotor bearing	No	350	1	350
149	Carbon brush	pairs	20	1	20
150	Polish paper (60 No)	Nos	35	2	70
151	Battery cable	mtr	600	2	1200

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
152	Baking soda	kg	40	1	40
153	Plough lamp bulb	Nos	200	2	400
154	Head lamp bulb	Nos	600	4	2400
155	Horn	Nos	400	1	400