

**Trade wise Raw Material Requirement**Trade **Fitter**Sector **CAPITAL GOODS AND MANUFACTURING**Type of Trade **Engineering Machine Group**NSQF Level **5**Affiliated to **NCVT**DGET Trade Code **DGT/1002**Duration in Years **2**Intake Per Unit **20**Raw Material for **first Year Training**Total Items **337**Total Amount **138164 Rs.**Per Trainee Amount **6908.2 Rs.**

S.N	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
1	M.S. Flat (Fe310)25x12mm	kg	65	20	1300
2	M.S. Flat (Fe310)25x15mm	kg	65	10	650
3	M.S. Flat (Fe310)35x12mm	kg	65	20	1300
4	M.S. Flat (Fe310)40x8mm	kg	70	5	350
5	M.S. Flat (Fe310)50x8mm	kg	70	60	4200
6	M.S. Flat (Fe310)50x10mm	kg	70	110	7700
7	M.S. Flat (Fe310)50x40mm	kg	70	40	2800
8	M.S. Flat (Fe310)50x20mm	kg	75	45	3375
9	M.S. Flat (Fe310)60x12mm	kg	75	10	750
10	M.S. Flat (Fe310)65x6mm	kg	75	10	750
11	M.S. Flat (Fe310)65x12mm	kg	75	105	7875
12	M.S. Flat (Fe310)65x15mm	kg	75	22	1650
13	M.S. Flat (Fe310)65x20mm	kg	75	15	1125
14	M.S. Flat (Fe310)65x30mm	kg	75	18	1350
15	M.S. Flat (Fe310)75x12mm	kg	75	87	6525
16	M.S. Flat (Fe310)75x20mm	kg	75	20	1500
17	M.S. Flat (Fe310)80x10mm	kg	75	81	6075
18	M.S. Flat (Fe310)100x12mm	kg	70	74	5180
19	M.S. Flat (Fe310)100x20m	kg	70	17	1190
20	M.S. Flat (Fe310)150x10mm	kg	75	50	3750
21	M.S.RoundBar(Fe310)Ø10mm	kg	70	5	350
22	M.S. Round Bar (Fe310)Ø16mm	kg	60	13	780
23	M.S. Round Bar (Fe310)Ø28mm	kg	60	55	3300

S.N	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
24	M.S. Round Bar (Fe310)Ø30mm	kg	60	30	1800
25	M.S. Round Bar (Fe310)Ø40mm	kg	75	90	6750
26	M.S. Round Bar (Fe310)Ø50mm	kg	75	180	13500
27	M.S. Angle (Fe310)40x40x6mm	kg	75	8	600
28	M.S. Angle (Fe310)60x60x6mm	kg	60	15	900
29	M.S. Tee Section (Fe310)40x40	kg	70	5	350
30	M.S. Channel (Fe310)75x40x48mm	kg	67	10	670
31	M.S. Channel (Fe310)75x40	kg	67	10	670
32	M.S. Square Bar (Fe310)12mm	kg	67	5	335
33	M.S. Square Bar (Fe310)28mm	kg	60	15	900
34	M.S. Square Bar (Fe310)40mm	kg	70	20	1400
35	Hexagonal Bar (Fe310)18mm	kg	70	5	350
36	M.S.Pipe (Fe310)50x03	kg	70	3	210
37	M.S.Sq.Pipe (Fe310)ØSq.mtr.40	kg	70	2	140
38	Tinned Sheet100Sq.mtr5mm thick	Sq.mtr	400	7	2800
39	Copper Tube1.6x01	met	150	5	750
40	M.S. Sheet (Fe310)1.2mm	kg	50	120	6000
41	M.S. Sheet (Fe310)2mm	kg	50	68	3400
42	M.S. Sheet (Fe310)2.5m	kg	50	10	500
43	G.I.Sheet0.5mm	kg	48	115	5520
44	Stainless Steel Sheet 2mm	kg	170	16	2720
45	G.I.Wire 3mm	kg	45	4	180
46	M.S.Wire 6mm	kg	47	4	188
47	Rubber Sheet (Gasket) 3mm	Sq.ft	110	31	3410

S.N	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
48	Cylindrical Pin(40 CB) 4H8x20	kg	60	4	240
49	Cylindrical Pin (std)4H8x14	kg	60	4	240
50	Countersunk head screw (30 CB)AH5x15	kg	55	2	110
51	Countersunk head screw M4x14	kg	55	2	110
52	Countersunk head screw M5x16	kg	55	1	55
53	Round Head Slotted ScrewM6x10	kg	55	1	55
54	Cap screw M6x30mm	kg	55	2	110
55	Dowel Pin Ø14x20mm	kg	60	5	300
56	Dowel Pin Ø14x30mm	kg	60	5	300
57	Snap Head Rivet (MS)Ø3x6mm	kg	60	7	420
58	Flat Head Rivet (MS)Ø3x6mm	kg	55	2	110
59	Contersunk Head Rivet (MS)Ø3x5mm	kg	55	2	110
60	Pan Head Rivet (MS)Ø3x6mm	kg	55	3	165
61	CCMS Filler rod Ø1.6mm	kg	60	1	60
62	M.S.Electrode Ø1.6mm	Pkt	180	3	540
63	M.S.Electrode Ø3.15mm	Pkt	180	2	360
64	Toolbit HSS 12x12x150mm	Nos	300	4	1200
65	Toolbit HSS6x6x150mm	Nos	200	2	400
66	Prussian Blue 100gm	Pkt	260	4	1040
67	Soft Solder 60:40	kg	500	1.5	750
68	Solering Flux for G.I.	kg	500	0.5	250
69	Silver Brazing Flux	kg	550	0.5	275
70	Silver Brazing Rod	kg	600	0.5	300
71	Hacksaw Blade HSS	nos	10	200	2000
72	Hacksaw Blade HSS	nos	10	100	1000
73	Hacksaw Blade (Low Alloy Steel)	nos	3	200	600
74	Punch 60 degree 100mm	nos	15	10	150

S.N	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
75	Hand Tap M6,M8,M10	set each	500	1	500
76	Die Piece in pairM6,M8,M10	set each	300	1	300
77	Twist Drill,Parallel ShankØ3to12mm	Set	1200	1	1200
78	Tension Screw with wing nut 5/16" BSW	nos	15	40	600
79	File Card	nos	20	10	200
80	File Handle(Wooden) 4'	nos	20	100	2000
81	File Handle(Wooden) 5'	nos	20	100	2000
82	Cleaning Brush 2'	nos	40	10	400
83	Oil 20 W40	Ltr	150	5	750
84	Emery Paper NO.100	Nos	10	100	1000
85	Hexagonal Bolt with nut1/2'x4'	Nos	8	12	96

**Trade wise Raw Material Requirement**

Trade **Fitter**

Sector **CAPITAL GOODS AND MANUFACTURING**

Type of Trade **Engineering Machine Group**

NSQF Level **5**

Affiliated to **NCVT**

DGET Trade Code **DGT/1002**

Duration in Years **2**

Intake Per Unit **20**

Raw Material for **Second Year Training**

Total Items **91**

Total Amount **150671.5 Rs.**

Per Trainee Amount **7533.575 Rs.**

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
1	Alluminium Flat75x10mm	kg	280	5	1400
2	Brass Flat75x10mm	kg	500	10	5000
3	Copper Flat57x10mm	kg	700	10	7000
4	M.S Flat (Fe310) 75x4	kg	70	3	210
5	M.S Flat (fe 310)40x12mm	kg	70	14	980
6	M.S Flat (fe 310)40x25mm	kg	70	8	560
7	M.S Flat (Fe310) 50x04mm	kg	70	4	280
8	M.S Flat (fe 310)50x12mm	kg	70	60	4200
9	M.S Flat (fe 310)50x15mm	kg	70	20	1400
10	M.S Flat (fe 310)60x6mm	kg	70	10	700
11	M.S Flat (fe 310)60x15mm	kg	70	50	3500
12	M.S Flat (fe 310)65x6	kg	70	20	1400
13	M.S Flat (fe 310)65x12	kg	70	180	12600
14	M.S Flat (Fe310) 70x08	kg	70	5	350
15	M.S Flat (fe 310)75x10	kg	70	100	7000
16	M.S Flat (fe 310)75x12	kg	70	60	4200
17	M.S Flat (fe 310)100x10	kg	70	11	770
18	ISST(Fe310) (mild shteel sheet) 3.55mm thick	kg	70	70	4900
19	M.S. Round Bar (fe 310) Ø14mm	kg	70	10	700
20	M.S. Round Bar (fe 310)Ø20mm	kg	70	50	3500
21	M.S. Round Bar (fe 310)Ø28mm	kg	70	45	3150
22	M.S. Round Bar (fe 310)Ø56mm	kg	70	475	33250
23	M.S. square Bar (fe 310)Ø30mm	kg	70	30	2100
24	M.S Hecagonal Bar 27mm	kg	80	30	2400
25	M.S Channel (fe310) 75mc	kg	80	7	560

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
26	M.S. Sheet (fe310) mild steel 1.6mm thick	kg	75	8	600
27	Cast Iron, Gray (FG 15) sq. 36mm	kg	100	20	2000
28	Flat CSK head rivet $\varnothing$ 4x18mm 75:21	kg	60	3	180
29	DOWEL pin (Fe310) $\varnothing$ 6x20mm	kg	56	15	840
30	DOWEL pin (Fe310) 5x22mm	kg	56	3	168
31	DOWEL pin (Fe310) 6x42mm	kg	56	2	112
32	DOWEL pin (Fe310) $\varnothing$ 10x120mm	kg	56	3	168
33	DOWEL pin (Fe310) $\varnothing$ 22x25mm	kg	56	5	280
34	DOWEL pin (Fe310) $\varnothing$ 20x18	kg	56	3	168
35	Cylindrical pin $\varnothing$ 28x10mm	kg	30	2	60
36	Cheese Head Screw M6x10	kg	55	1	55
37	Cheese Head Screw m6x20	kg	55	1	55
38	Cheese Head Screw m6x16	kg	55	3	165
39	Cheese Head Screw m6x20	kg	55	2	110
40	Special screw $\varnothing$ 6x58mm	kg	55	2	110
41	HEX BOLT (Fe310) m6x16	nos	55	6	330
42	Stud m6x20	no	20	20	400
43	G.I. Pipe $\varnothing$ 12mm	mtr (16 feet)	35	5	157.5
44	G.I. Pipe $\varnothing$ 25x4.5mm	mtr	35	150	5250
45	G.I. Coupling 1/2'	no	15	20	300
46	Brass Nipple 25x150 mm	no	30	12	360
47	Barrel Nipple G.I. 25x100	no	10	2	20
48	Reducer G.I. 25x15	no	15	12	180
49	Capling G.I. 25mm	no	20	12	240
50	Cross G.I. 25mm	no	20	12	240
51	Union with washer G.I. 25mm	no	35	12	420
52	Bend 90° G.I. 25mm	no	15	12	180
53	Tee G.I. 1/2'	no	15	24	360
54	Tee G.I. 1/2'	no	15	12	180
55	Gate valve (Copper Alloy) 1/2'	no	250	6	1500
56	plain coupling G.I. 1/2'	no	15	12	180
57	Elbow G.I. 1/2'	no	10	12	120

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
58	Elbow G.I.1/2'	no	10	12	120
59	Globe valve (Copper Alloy)1/2'	no	200	6	1200
60	Bib Cock(Brass) 1/2"	no	100	9	900
61	Ribbed coupling1/2"	no	20	1	20
62	PU tube	mtr	10	10	100
63	Singel acting cylinder	no	1100	1	1100
64	3/2 Way valve	no	3000	1	3000
65	FRL	no	1800	1	1800
66	5/2 way valve	no	2700	1	2700
67	double acting cylinder	no	5000	1	5000
68	Shut off valve	no	260	2	520
69	Push button P1,P2	no	80	2	160
70	Relay K1,K2	no	200	2	400
71	5/2 DC double solonide valve	no	300	2	600
72	O - ring	no	30	2	60
73	oil Seal	no	40	2	80
74	Rubber sheet 2mm thick	no	35	2	70
75	Gasket	Sq.mtr	150	8	1125
76	Paper A-4 size	RIM	200	1	200
77	Pencil	Nos	10	20	200
78	HYDROLIC OIL	ltr.	100	10	1000
79	Cutting Coolant	ltr.	90	10	900
80	Cotton Waste	Kg	30	20	600
81	Emery Paper No100	nos	10	240	2400
82	Hacksaw Blade HSS	nos	10	200	2000
83	Hacksaw Blade HSS	nos	10	100	1000
84	Hacksaw Blade (Low Alloy Steel)	nos	3	200	600
85	Punch 60 degree 100mm	nos	15	10	150
86	Hand Tap M6M8M10	set each	300	1	300
87	Tension Screw with wing nut5/16'BSW	nos	5	16	80
88	File Card	nos	18	16	288
89	File Handle(Wooden)4'	nos	20	100	2000
90	File Handle(Wooden)5'	nos	20	100	2000
91	Cleaning Brush2'	nos	40	10	400