

Trade wise Raw Material RequirementTrade **Mechanic Machine Tools Maintenance**Sector **CAPITAL GOODS AND MANUFACTURING**Type of Trade **Engineering Machine Group**NSQF Level **5**Affiliated to **NCVT** DGET Trade Code **DGT/1043**Duration in Years **2** Intake Per Unit **24**Raw Material for **First Year Training**Total Items **98**Total Amount **322376** Rs.Per Trainee Amount **13432.33** Rs.

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
1	MS. Channel 75x40x5mm	kg	70	15	1050
2	M.S. Flat 50x8mm	kg	70	60	4200
3	M.S. Flat 50x10mm	kg	70	7	490
4	M.S. Flat 25x3mm	kg	70	12	840
5	M.S. Flat 65x10mm	kg	70	7	490
6	M.S. Flat 40x.25mm	kg	70	12	840
7	M.S. Flat 40x8mm	kg	70	16	1120
8	M.S. Flat 40x20mm	kg	70	15	1050
9	M.S. Flat 50x12mm	kg	70	15	1050
10	M.S. Round Bar D25mm	kg	70	16	1120
11	M.S. Round Bar D12.5mm	kg	70	23	1610
12	MS Round Bar D16mm	kg	70	16	1120
13	M.S. Round Bar D40mm	kg	70	24	1680
14	M.S. Bar 60mm	kg	70	10	700
15	M.S. Square Pipe 25x25mm	kg	70	20	1400
16	M.S. Pipe D25mm	kg	70	20	1400
17	Block 80x80x80mm	Nos	210	24	5040
18	C.I.Block 50x50x50mm	Nos	180	48	8640
19	EN8 M.S Square 25mm	kg	70	10	700
20	M.S. Sheet 2mm Thick	Sq.M.	900	1	900
21	Diesel	Liter	90	30	2700
22	Spindle Oil No.12	Liter	18	20	360
23	Gear Oil No.40	Liter	1600	30	48000
24	Lubrication 011 No.40	Liter	140	40	5600
25	Grease(bearing)	KG	170	5	850

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
26	Cottonwest	KG	55	40	2200
27	Cotton Cloth	KG	60	20	1200
28	1) 6x6x150mm White tool bit	Nos	850	4	3400
29	2) 8x8x150mm White tool bit	Nos	900	4	3600
30	3) 10x20x150mm White tool bit	Nos	950	8	7600
31	4) 12x12x150mm White tool bit	Nos	1000	8	8000
32	5) 15x15x150mm White tool bit	Nos	1100	4	4400
33	Diamond Dresser 1.5 caret	Nos	350	3	1050
34	Dressin Stick 25x25x100mm	Nos	300	4	1200
35	Shelac Bond Bottle 60ml	Nos	75	8	600
36	Thread Lock Tite bottle 100m!	Nos	90	2	180
37	Lock Tite Bottle 30ml	Nos	65	2	130
38	Teflon Tape	Nos	22	20	440
39	Rustoline spray	Nos	350	2	700
40	M.Seal 250gm	Nos	100	2	200
41	Araldite 180gm	Packs	250	2	500
42	Transperant Acrylic Sheet 2mm thick	Sq.M.	250	1	250
43	Hand hacksaw blade low carbon 300x12.5x6mm	Nos	10	300	3000
44	Hand hackew blade HSS 300x12.5x6mm	Nos	85	50	4250
45	Power Saw blade 18"	Nos	1200	6	7200
46	wing nut and for hacksaw frame	Nos	20	24	480
47	Drill set HSS straight shank 1 to 12mmx5	Set	1500	1	1500
48	HSS straight shank drill 5mm	Nos	95	2	190
49	HSS straight shank drill 6.8mm	Nos	120	2	240
50	HSS straight shank drill 8.5mm	Nos	130	2	260
51	HSS straight shank drill 10.2mm	Nos	150	2	300
52	Metric tap set M6,M8,M10,M12	Set Each	2200	1	2200
53	Metric dje(split) M6,M8,M10,M12	Set Each	2400	1	2400
54	BSW. Tap set 1/4",5/16",3/8",1/2"	Set Each	2800	1	2800
55	B.S.W. Die(split)1/4",5/16",3/8",1/2"	Set Each	2700	1	2700
56	V' Belt various size	As required	375	10	3750
57	Anti Frictional Bearing	No	2500	1	2500

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
58	Bush Bearing	No	3000	1	3000
59	Split Bush Bearing	No	3500	1	3500
60	polish paper (rough and smooth)	No	288	12	3456
61	Manila Rope Dia.20mm	Meter	480	20	9600
62	Lifting belt	Nos	480	4	1920
63	Seals (various size)	Nos	800	1	800
64	O' Ring (various size)	Nos	750	1	750
65	Oil paper 0.5mm ,1mm	Sq. Meter Each	250	2	500
66	cork gasket Material 1mm,2mm thick	Sq. Meter Each	500	2	1000
67	Helide Gasket paper 1mm and 1.5 mm	Sq. Meter Each	300	2	600
68	oil Stone 6"x2"x 1"	Nos	450	2	900
69	Persian Blue 25m!	Nos	300	2	600
70	Sic stick	Nos	660	6	3960
71	Sic stick Triangular	Nos	720	6	4320
72	Filter oil	Liter	800	5	4000
73	Lubrication Pipe	Nos	750	2	1500
74	Plastic pipe	Nos	1000	1	1000
75	Ferul And Ferul fitting	Nos	350	1	350
76	Coolant pipe	Nos	200	1	200
77	Nozle	Nos	350	1	350
78	Tap	Nos	750	1	750
79	Fittings (T, Elbow, socket)	Nos	500	1	500
80	Foundation Bolts 500 gm	Gm	500	1	500
81	Solderin metal 500	Coil	100	6	600
82	Cooper wire1mm sq.	Coil	4500	2	9000
83	Copper wire 2.5mm sq.	Coil	2100	24	50400
84	Transformer 12-0-12	Nos	500	24	12000
85	Hose clip 1/2", 3/4"	Nos	120	20	2400
86	Cutting oil	Liter	175	20	3500
87	Allenbolt with spring washer; M6x05;M6x20;M6x25;M6x30;M6x50;M8x 20 : M8x30;M8x50;M/Ox25; MIOx40;MIOx50; M10x75;M12x25; M12x50;M12x75	Nos	25	300	7500

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
88	Hexagonal bolt,nut with plain washer ; M6x15;M6x20;M6x25; M6x30M6x50;M8x20; M8x30;M8x50;M/Ox25;MIOx40;MIOx50; MIOx75;M/2x25;M/2x50;M12x75	Nos	25	300	7500
89	Allenbolt with spring washer B.S.W.- 3/16"x1" ; 3/16"x1 1/2" 7/32"x1"; 7/32"x1 1/2" 1/4"x1" 1/4"x1 1/2"; 1/4"x 3/4" ; 5/16x1" 5/16"x1 1/2" ; 5/16"x2' 3/8"x/ 1/2" 3/8x2" ; 1/2"x1 1/2"	Nos	25	260	6500
90	Hexagonal bolt, nut with plain washer B. S. W. - 3/16"x1" ; 3/16"x1 1/2" ; 7/32"x1"; 7 32"x1 1/2" ; 1/4" x1 ; 1/4"x1 1/2 ; 1 4"x3/4" ; 5/16x1" ; 5/16x1 1/2; 5/16"x2" b 3/8"x1 1/2" ; 3/8x2" ; 1/2"x1 1/2"; 1/2"x2"	Nos	25	120	3000
91	Grub screw hollow knurt point - M6x10mm , M6x15; M6x20; M8x10; M8x15; M8x20	Nos	25	50	1250
92	Grub screw hollow knurt point B. S. W- 7/32"x1/3", 7 32"x3 /4"; 1/4"x1/2"; 1/4"x3/4"; 5/16"x1/2";5/6x1"	Nos	25	120	3000
93	Setscrew Allen Headed with nut- M6x20; M6x25; M6x90; M8x25; M8x30	Nos	25	100	2500
94	Setscrew Allen Headed with nut B.S.W. - 1/4"x1/2"; 1/4"x2"; 1/4"x1", 5/16"x2"	Nos	25	80	2000
95	Centre Drill 1/8"x5/16" ; 3/16'x7 /16"	Nos	275	10	2750
96	Stud Extractor	Set Each	500	1	500
97	Chalk box colour and white	Nos	25	10	250
98	Hammer Handle 12"	Nos	65	20	1300

Trade wise Raw Material Requirement

Trade **Mechanic Machine Tools Maintenance**

Sector **CAPITAL GOODS AND MANUFACTURING**

Type of Trade **Engineering Machine Group**

NSQF Level **5**

Affiliated to **NCVT**

DGET Trade Code **DGT/1043**

Duration in Years **2**

Intake Per Unit **24**

Raw Material for **Second Year Training**

Total Items **91**

Total Amount **206955 Rs.**

Per Trainee Amount **8623.125 Rs.**

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
1	M.S. Flat 50x8mm	kg	70	120	8400
2	M.S. Flat 50x12mm	kg	70	16	1120
3	MS Flat 50x3mm	kg	70	100	7000
4	M.S. Flat 75x10mm	kg	70	16	1120
5	M.S. Pipe dia. 30mm	kg	70	12	840
6	M.S. ERW pipe 1/2"	kg	70	60	4200
7	M.S. Welding Rod 3.15mm	Packs	210	6	1260
8	M.S. Welding Rod 4mm	Packs	220	6	1320
9	Wire Brush 4raw	Nos	60	4	240
10	Leather Hand Gloves	Pairs	80	6	480
11	Welding colour Glass 4 1/4" x 3 1/4"	Nos	120	6	720
12	Transparent Glass 4 1/4" x 3 1/4"	Nos	40	12	480
13	Electrode Hoder 600amp	Nos	600	2	1200
14	Gas Welding Goggle	Nos	40	4	160
15	Copper coated filler rod Dia.3mm	Kg	80	4	320
16	chipping Goggle	Nos	30	4	120
17	Spark lighter	Nos	55	4	220
18	Hydraulic Oil 32 No	Liters	170	30	5100
19	Hydraulic Oil 57 No	Liters	190	30	5700
20	Hydraulic Oil 68 No	Liters	280	30	8400
21	Oil Filter (FRL) Various Size	Nos	550	5	2750

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
22	Oil 20W40	Liters	155	35	5425
23	Air fitter (FRI Various size	Nos	450	5	2250
24	Seals (various size	Nos	150	5	750
25	O Rings	Nos	250	5	1250
26	Teflon Tape	Nos	22	20	440
27	Cotton Cloth	Kgs	35	25	875
28	Hose Pipe (various size	Nos	250	1	250
29	Ferules (various size)	Nos	250	5	1250
30	copper pipe 3/8"	kg	400	20	8000
31	Flearing nut 3/8"	Nos	55	24	1320
32	Elbow 3/8"	Nos	60	24	1440
33	Gasket paper 1mm, 0.8mm, 10.5mm	Sq. Meter Each	80	2	160
34	Shelac Bottle 30ml	Nos	40	8	320
35	Bearing antifrictional	No	900	1	900
36	Grease(bearing)	Kgs	220	4	880
37	Grindin Wheel AA180x31.75x13mm	Nos	1200	4	4800
38	Grindin Wheel 300x20x50.8mm	Nos	1600	2	3200
39	Diamond Dresser 2 caret	Nos	400	2	800
40	V Betts (various size)	As required	375	10	3750
41	PNP sensors 6 amp v240 volt	Nos	55	6	330
42	NPN sensors 6 Amp 240 volt	Nos	50	6	300
43	Piyano type 5 pole switch 6 Amp	Nos	40	60	2400
44	Piyano type 5 pin socket 6 Amp	Nos	40	20	800
45	100 watt lamp	Nos	30	12	360
46	200 watt lamp	Nos	45	6	270
47	Insulation Tape	Coil	10	2	20
48	Batten Holder	Nos	50	20	1000
49	Sunmica Board 6"x4"	Nos	60	10	600

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
50	Sunmica Board 8"x10"	Nos	80	10	800
51	Resister 1k ohm1/4watt	Nos	4	50	200
52	Resister wire wound 100hm /10watt	Nos	8	20	160
53	Capacitor 22uf/25v	Nos	8	50	400
54	Inductor 10mh	Nos	250	10	2500
55	Transformer 12-0-12v / 500mA	Nos	250	10	2500
56	Transister BCS47	Nos	50	20	1000
57	Transister BC556	Nos	50	20	1000
58	SCR C106MG	Nos	150	20	3000
59	MOSFET P55NF06	Nos	125	20	2500
60	TRIC BT 136	Nos	125	20	2500
61	Diode IN4007	Nos	4	150	600
62	LED red/yellow	Nos	5	50	250
63	Resister 100k ohm 1/4volt	Nos	3	100	300
64	Resister 10k ohm 1/4volt	Nos	3	100	300
65	Resister 10 ohm 1/4volt	Nos	3	100	300
66	Resister 56k Ohm 1/4volt	Nos	3	100	300
67	Resister 680k ohm 1/4volt	Nos	3	100	300
68	Resister 1m ohm 1/4volt	Nos	3	100	300
69	Solder wire 22 SWG	Gms	150	100	15000
70	Flux	Box	55	1	55
71	Zero PCB 3"x4"	Nos	80	50	4000
72	Capacitor 470uf/25v	Nos	55	25	1375
73	IC 7400	Nos	125	25	3125
74	IC 7404	Nos	135	25	3375
75	IC 7402	Nos	135	25	3375
76	IC 7432	Nos	135	25	3375
77	IC 7408	Nos	135	25	3375

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
78	Patta wire 12 core	Meter	500	5	2500
79	Gland 8mm,10mm,12mm	Meter Each	160	1	160
80	Compression Ring	As required	150		0
81	Oil rings	As required	200		0
82	Canvas Flat belt 2'	Meter	120	4	480
83	Alligator type belt fastner	Nos	240	4	960
84	Allenbolt with sprin washer ; M6x15;M6x20;M6x25;M6x30;M6x50;M8x20 ; M8x30;M8x50;MIOx25; MIOx40;MIOx.50; MIOx75;M12x25;M12x50;M12x75	Nos Each	350	20	7000
85	Hexagonal bolt,nut with plain washer ; M6x15;M6x20;M6x25; M6x30;M6x50;M8x20 ; M8x30;M8x50;MIOx25; MIOx40;MIOx50; MIOx75;M12x25;M12x50;M12x75	Nos Each	425	20	8500
86	Allenbott with spring washer B.S.W. ; 3/16"x1 3/16"x1 1/2" 7/32"x1" ; 7/32"x1 1/2" 1/4"x1" 1/4"x1 1/2" ; 5/16"x2" • 3/8'x/ 1/2" 3/8x2" 1/21x1 1/2" ; 1/2"x2"	Nos Each	375	20	7500
87	Hexagonal Nolt,nut with plain washer B.S.W. ; 3/161x1" 3/16"x1 1/2" 7/32"x1" ; 7/32"x1 1/2" 1/4"x1" 1/4"x112"; 1/4"x 3/4" 5/16x1" 5/16"x1 1/2"; 5/16 1x2" 3/8'x1 1/2" 3/8x2" 1/2"x1 1/2" 1/2"x2"	Nos Each	430	20	8600
88	Grub screw holo knurl point; M6XIOmm M6X15 1/6x.20 • M8x10 M8x15 * M8x 20	Nos Each	320	10	3200
89	Grub screw holo knurl point B.S.W. ; 7/321x1/3"; 7/32X3/4"; 1/4"X1/2"; 1/40x3/4"; 5/161x1/2'; 5/6x1"	Nos Each	325	20	6500
90	Setscrew Allen Headed with nut; M6x20; M6x2.S; M6x30; M8x25; M8x30	Nos Each	325	20	6500
91	Setscrew Allen Headed with nut B.S.W. ; 1/4"x1/2" • 1/4""2"; 1/4"x1"; 5/16"x2"	Nos Each	175	20	3500