

PROFORMA -B

Trade wise Raw material Requirement

Trade : Aeronautical Structure and Equipment Fitter

Sector : Capital Goods and Manufacturing

Types of Trade : Engineering machine group

Affiliated to : NCVT

DGET Trade Code : DGT/401

Duration 2 years

Intake per unit : 20

Raw material for two year training

Total item : 181

Total Amount :

Per trainee Amount :

S.No.	Name of item	Unit of measurement	Rate per unit in Rs.	Quantity	Amount in Rs.
1	Gloves	1 No.	150	20	3000
2	Brush and gloves	1 No. each	200	20	4000
3	Dusting cloth	250 grams	100	15 kg	2000
4	2017 Aluminium plate – Pre-machined 60 x 60 x 5	1 No.	200	20	4000
5	Steel plate – Pre- machined 60 x 60 x 5	1 No.	300	20	6000
6	Steel round bar - Ø30 x 100 mm	1 No.	500	200 cm	10000
7	Aluminium angle – 30 x 30 x 3 – 100 mm	1 No.	150	200 cm	3000
8	Steel pipe - Ø32 x 100 mm	1 No.	150	200 cm	3000
9	2017 Aluminium plate – 60 x 60 x 20	1 No	1000	4 kg	4000
10	2017 Aluminium plate – 60 x 60 x 10	4 No	1000	2 kg	2000
11	2024 Aluminium plate – 150 x 150 x 1.5	1 No	1000	1.8kg	1800
12	2024 Aluminium plate – 100 x 200 x 2	1 No	1000	2.2kg	2200
13	7075 Aluminium plate – 40 x 100 x 2	1 No	1000	0.5 kg	500
14	Stainless steel plate – 40 x 100 x 2	1 No	1000	1.3kg	1300
15	2017 Aluminium plate – 40 x 100 x 5	1 No	1000	1.2kg	1200
16	Steel plate – 40 x 100 x 5	1 No	1000	1.2kg	1200
17	2024 Aluminium plate – 100 x 160 x 10	1 No	1000	8.7kg	8700
18	2024 Aluminium plate – 100 x 60 x 5	2 No	1000	3.3kg	3300
19	Steel round bar – Ø6h10 x 42 mm	2 No	1000	0.7 kg	700
20	M6 hexagonal head bolt	10 No	2000	200	40000
21	2024 aluminium plate - 35 x 180 – 2 mm	3 No	1000	2.1 kg	1100
22	7075 aluminium plate - 35 x 180 – 2 mm	3 No	1000	2.1 kg	1100
23	5086 aluminium plate - 35 x 180 – 2 mm	3 No	1000	2.1kg	2100
24	AISI 316L steel plate - 35 x 180 – 2 mm	3 No	1000	2.1kg	2100
25	TA-6V titanium plate - 35 x 180 – 2 mm	3 No	1000	2.6kg	2600
26	Carbon steel plate - 35 x 180 – 2 mm	3 No	1000	2.6kg	2600

S.No.	Name of item	Unit of measurement	Rate per unit in Rs.	Quantity	Amount in Rs.
27	AISI 316L steel plate - 200 x 400 – 2 mm	1 No	1000	21.6kg	21600
28	2024 aluminium plate - 200 x 400 – 2 mm	1 No	1000	8.7kg	8700
29	TA-6V titanium plate - 200 x 400 – 2 mm	1 No	1200	9.6kg	11500
30	5086 aluminium plate - 100 x 80 – 1.2 mm	4 No	1000	2.1kg	2100
31	2024 aluminium plate - 60 x 200 – 2 mm	1 No	1000	1.3kg	1300
32	6060 aluminium angle - 33 x 30 X 3 – 200 mm	2 No	1000	2kg	2000
33	Universal head solid rivet – D3.2 – 2117 – L9	12 No	600	240	12000
34	Countersunk head solid rivet – D4 – 2117 – L10	18 No	900	360	18000
35	5086 aluminium plate - 100 x 180 – 2 mm	1 No	1000	2kg	2000
36	5086 aluminium plate - 100 x 160 – 1.5 mm	2 No	1000	2.6kg	2600
37	Universal head solid rivet – D2.4 – 2117 – L8 or 9	7 No	350	140	7000
38	2024 aluminium plate - 195x40 – 2 mm	1 No	1000	1kg	1000
39	AISI 316L steel plate - 22x50 – 2 mm	2 No	1000	0.6kg	600
40	5086 aluminium plate - 100 x 180 – 2 mm	1 No	1000	2kg	2000
41	5086 aluminium plate - 100 x 180 – 1.5 mm	2 No	1000	3kg	3000
42	Universal head solid rivet – D2.4 – 2117 – L8 or 9	7 No	350	140	7000
43	2017 aluminium plate - 202 X 90 – 5 mm	1 No	1000	10kg	10000
44	5086 aluminium plate - 205 X 50 – 1.5 mm	2 No	1000	2kg	2000
45	2024 aluminium plate - 220 X 40 – 1.5 mm	1 No	1000	0.8kg	800
46	2024 aluminium plate - 175 X 40 – 1.5 mm	1 No	1000	0.6kg	600
47	2024 aluminium plate - 100 X 220 – 2 mm	2 No	1000	5kg	5000
48	Universal head solid rivet – D3.2 – 2117 – L10	28 No	1400	560	28000
49	Countersunk head solid rivet – D4 – 2117 – L12 or 13	10 No	500	200	10000
50	2024 aluminium plate - 250x82 – 2mm	1 No	1000	2.2kg	2200
51	2024 aluminium plate - 250x40 – 2mm	2 No	1000	2.2kg	2200
52	Universal head solid rivet – D3.2 – 2117 – L9	52 No	1000	104	20000
53	2024 aluminium plate - 140x40 – 2 mm	12 No	1000	7.2kg	7200

S.No.	Name of item	Unit of measurement	Rate per unit in Rs.	Quantity	Amount in Rs.
54	Universal head solid rivet – D3.2 – 2117 – L9	12 No	3600	240	72000
55	Universal head solid rivet – D4 – 2117 – L10	12 No	3600	240	72000
56	2024 aluminium angle 25X25X2.5 – L90	2 No	400	0.7kg	280
57	2024 aluminium plate - 140x80 – 5 mm	1 No	1000	0.8kg	800
58	2024 aluminium plate - 55x90 – 2 mm	1 No	1000	0.6kg	600
59	2024 aluminium angle 25X25X2.5 – L190	2 No	400	2kg	800
60	2024 aluminium plate - 190x55 – 2 mm	1 No	1000	1.2kg	1200
61	Countersunk head solid rivet – D3.2 – 2117 – L9	24 No	1200	480	24000
62	Universal head solid rivet – D4 – 2117 – L16	10 No	1000	200	20000
63	2024 aluminium plate - 500x500 – 3 mm	1 No	1000	40	40000
64	2024 aluminium plate - 500 x 50 – 1.5 mm	4 No	1000	8kg	8000
65	2024 aluminium plate - 150x84 – 2 mm	1 No	1000	1.4kg	1400
66	2024 aluminium plate - 210x130 – 1.5 mm	1 No	1000	2.2kg	2200
67	Universal head solid rivet – D4 – 2117 – L16	4 No	200	80	4000
68	Universal head solid rivet – D3.2 – 2117 – L9	36 No	1800	720	36000
69	Countersunk head solid rivet – D4 – 2117 – L9	78 No	3900	1560	78000
70	2017 aluminium plate - 150x150 – 2 mm	1 No	1000	2.5kg	2500
71	2017 aluminium plate - 150x80 – 2 mm	1 No	1000	1.3kg	1300
72	2017 aluminium plate - 150x60 – 2 mm	1 No	1000	1kg	1000
73	2024 aluminium angle 30x30x3 – L150 mm	1 No	1000	o.7kg	700
74	Universal head solid rivet – D3.2 – 2117 – L9	9 No	450	180	9000
75	Countersunk head solid rivet – D3.2 – 2117 – L9	18 No	900	360	18000
76	Countersunk head solid rivet – D3.2 – 2117 – L14	9 No	450	180	9000
77	Sealant class B – minimum 2 hours pot life	1 for 4 students	1000	5	20000
78	2024 aluminium plate - 140x40 – 2 mm	6	1000	3.7kg	3700
79	Sealant class B – minimum 2 hours pot life	1 for 25 students	2000	1	40000
80	2017 aluminium plate - 40x300 – 2 mm	1 No	1000	1.4kg	1400
81	5086 aluminium plate - 40x300 – 2 mm	1 No	1000	1.4kg	1400
82	6060 aluminium angle - 20x20x2 – L140 mm	1	400	0.5kg	200

S.No.	Name of item	Unit of measurement	Rate per unit in Rs.	Quantity	Amount in Rs.
83	6060 aluminium angle - 20x20x2 – 250 mm	1	400	1.2kg	480
84	2017 aluminium plate - 345x345 – 2 mm	2	1000	25kg	25000
85	2017 aluminium plate - 300x205 – 1.2 mm	2	1000	8kg	8000
86	2017 aluminium plate - 335x205 – 1.2 mm	2	1000	9kg	9000
87	2017 aluminium plate - 150x 45 – 1.2 mm	4	1000	2kg	2000
88	2017 aluminium plate - 200x110 – 2 mm	2	1000	5kg	5000
89	2017 aluminium plate - 240x145 – 1.5 mm	2	1000	5.7kg	5700
90	2017 aluminium plate - 340x205 – 1.2 mm	2	1000	9kg	9000
91	Countersunk head solid rivet – D3.2 – 2117 – L8	100	5000	2000	100000
92	Universal head solid rivet – D3.2 – 2117 – L7	24	1200	480	24000
93	Universal head solid rivet – D3.2 – 2117 – L8	32	1600	640	32000
94	Countersunk head solid rivet – D2.4 – 2117 – L8	36	1800	720	36000
95	Anchor nut (nut plate) two lugs – MS21047-3 Or equivalent	14	2800	280	56000
96	Anchor nut (nut plate) angle – MS21055-3 Or equivalent	4	800	80	16000
97	Countersunk head solid rivet – D3.2 – 2117 – L8	28	1400	560	28000
98	Solvent – Diestone DLS or equivalent	1	500	60 Ltr	10000
99	2017 aluminium plate - 150 x 240 – Thick. 5	1	1000	10kg	10000
100	Full flow plug (Staubli RBE 06.6151 type)	8	8000	20	160000
101	Anchor nuts - NAS1473- A3 or equivalent	8	1600	160	32000
102	Blind rivets - CCR264-3-3 Or equivalent	8	800	160	16000
103	Bolts - NAS1801-3D-5 Or equivalent	8	800	160	16000
104	Washers - NAS1149F0332P or equivalent	1 for 10 students	500	2	1000
105	Sealant class B – minimum 2 hours pot life	1 for 25 students	1000	1	1000
106	Leak detection spray or soap with water	1 roll for 25 students	1500	1	1500
107	Scotch-Brite™ - General Purpose Hand Pad 7447 type or equivalent	2.5m ²	100	1	100
108	Dry plain wave fiberglass	50% of the weight of the fibre line 12	1000	50 m ²	20000
109	Epoxy resin and activator (LY5052 or equivalent)	2.5m ²	500	25m ²	10000

S.No.	Name of item	Unit of measurement	Rate per unit in Rs.	Quantity	Amount in Rs.
110	Dry carbon UD	50% of the weight of the fibre line 12	1000	50 m ²	20000
111	Epoxy resin and activator (LY5052 or equivalent)	2m ²	500	25 m ²	10000
112	Dry plain wave carbon fibre	50% of the weight of the fibre line 12	1000	40 m ²	20000
113	Epoxy resin and activator (LY5052 or equivalent)	1m ²	500	20 m ²	10000
114	Dry plain wave carbon fibre	50% of the weight of the fibre line 12	1000	20 m ²	20000
115	Epoxy resin and activator (LY5052 or equivalent)	0.3m ²	500	10 m ²	10000
116	Adhesive film	1	1200	6 m ²	24000
117	Nomex honeycomb – 300 x 250 - Thick. 18 to 20mm	8	4000	15000 cm ²	80000
118	CFRP plate – 65x90 – Thick. 2	4	1200	2.5kg	3000
119	CFRP plate – 65x60 – Thick. 2	4	1200	0.8kg	960
120	CFRP plate – 65x30 – Thick. 2	3	1200	0.5kg	600
121	Lockbolt fastener GPL8TP-V06-3 or LGPL4SP-V06-3 or equivalent and associated flanged collar	3	900	60	18000
122	Lockbolt fastener GPL8TP-V06-4 or LGPL4SP-V06-4 or equivalent and associated flanged collar	3	900	60	18000
123	Lockbolt fastener GPL8TP-V06-5 or LGPL4SP-V06-5 or equivalent and associated flanged collar	3	900	60	18000
124	Hi-lite EN6115T3-3 or equivalent and associated collar	3	1200	60	24000
125	Hi-lite EN6115T3-4 or equivalent and associated collar	3	1200	60	24000
126	Hi-lite EN6115T3-5 or equivalent and associated collar	3	1200	60	24000
127	Visu-Lok NAS1669-06-03 or PLT210-06-03 or equivalent	3	1050	60	21000
128	Visu-Lok NAS1669-06-04 or PLT210-06-04 or equivalent	3	1050	60	21000
129	Visu-Lok NAS1669-06-05 or PLT210-06-05 or equivalent	3	1050	60	21000
130	Countersunk head blind rivet NAS1739B05-3 or CR2248-5-3 or equivalent	3	900	60	18000

S.No.	Name of item	Unit of measurement	Rate per unit in Rs.	Quantity	Amount in Rs.
131	Protruding head blind rivet NAS1738B05-04 or CR2249-5-4 or equivalent	3	300	60	6000
132	Protruding head blind rivet NAS1738B05-05 or CR2249-5-5 or equivalent	1	400	60	8000
133	Aluminium 2017 plate – 60x60 Thick. 5	1	1000	1kg	1000
134	CFRP 2017 plate – 60x60 Thick. 5	1	1200	0.8kg	960
135	AISI316L plate – 60x122 Thick. 2	1	1000	1kg	1000
136	Aluminium bended angle – 21x21 – L122 Thick. 1.5	1	400	0.5kg	200
137	CFRP angle – 21x21 – L60 Thick. 2	6	1200	1kg	1200
138	Lockbolt fastener GPL8TP-V06-5 or LGPL4SP-V06-5 or equivalent and associated regular collar	3	1500	120	30000
139	Lockbolt fastener GPL8TP-V06-5 or LGPL4SP-V06-5 or equivalent and associated flanged collar	3	1500	60	30000
140	Lockbolt fastener GPL8TP-V06-7 or LGPL4SP-V06-7 or equivalent and associated flanged collar	3	1500	60	30000
141	Visu-Lok NAS1669-06-06 or PLT210-06-06 or equivalent	3	1050	60	21000
142	Hi-lite EN6115T3-6 or equivalent and associated collar	1	400	60	8000
143	Aluminium 2017 plate – 200x330 Thick.2	1	1000	7kg	7000
144	AISI316L plate – 200x200 Thick.2	1	1000	4.5kg	4500
145	Aluminium 2017 plate – 200x130 Thick.1.5	2	1000	2.1kg	2100
146	Aluminium 2017 plate – 180X130 Thick.1.5	4	1000	3.8kg	3800
147	CFRP angle – 21x21x2 – L75	25	1200	5.5kg	6600
148	Countersunk head solid rivet – D3.2 – 2117	12	600	500	12000
149	Universal head solid rivet – D3.2 – 2117 with associated counter washer	21	1050	240	21000
150	Hi-Lite protruding head D3/16 and associated collar	11	4400	420	88000
151	Lockbolt protruding head D3/16 and associated collar	12	3600	220	72000
152	Universal head blind rivet D5/32	1 for 25 students	1500	1	1500
153	Sealant class B – minimum 2 hours pot life	1	1000	1	20000
154	CFRP plate – 90x130 Thick. 5	1	1200	2kg	2400

S.No.	Name of item	Unit of measurement	Rate per unit in Rs.	Quantity	Amount in Rs.
155	Aluminium 2017 plate – 55x130 Thick. 2	2	1000	1kg	1000
156	Aluminium 2017 angle – 30x30x3 – L 130	2	400	1.5kg	600
157	CFRP angle 25x25x2 – L130	1	1200	5kg	6000
158	AISI316L plate – 55x86 Thick. 2	1	1000	5kg	5000
159	TA6V plate – 22x42 Thick. 2	1	1200	1kg	1200
160	Aluminium plate 2017 – 40x45 Thick. 1.2	1	1000	0.2kg	200
161	Aluminium plate 2017 – 22x42 Thick. 10	1	1000	0.6kg	600
162	Aluminium plate 2017 – 42x55 Thick. 8 to 10	6	1000	1.3kg	1300
163	Countersunk head solid rivet – D3.2 – 2117 with associated counter washer	2	1000	120	20000
164	Universal head solid rivet – D3.2 – 2117 with associated counter washer	6	3000	40	60000
165	Hi-Lite protruding head D3/16 EN6115V3-... or equivalent and associated collar	6	2400	120	48000
166	Hi-Lite countersunk head D3/16 EN6114T3-... or equivalent and associated collar	10	4000	120	80000
167	Lockbolt protruding head D3/16 GPL3SP-V06-... or equivalent and associated collar	4	1200	200	24000
168	Universal head blind rivet D5/32 – NAS1738M-05-... or equivalent	3	1500	80	30000
169	Hexagonal head blind bolt – PLT210-06-... or equivalent	2	1000	60	20000
170	Hexagonal head bolt D3/16 – NASM1801-3-...	2	1000	40	20000
171	Flat washer D3/16 – NAS1149F0332P	1	400	40	8000
172	Hexagonal nut D3/16 – NAS1726-3	1	300	20	6000
173	Straight two lugs nut plate D3/16 – NASM21047-3 or NASM21059-3 or equivalent	1 for 25 students	2500	1	2500
174	Sealant class B – minimum 2 hours pot life	1 kit	3000	1	60000
175	Different wires types and gauges	4m	1000	20	20000
176	Single core wire EN2267- 010A002S	1m	500	80m	10000
177	Single core wire EN2267- 010A004S	2m	1000	20m	20000

S.No.	Name of item	Unit of measurement	Rate per unit in Rs.	Quantity	Amount in Rs.
178	Single core wire EN2267- 010A006S	2m	1000	40m	20000
179	Twisted single core wire EN2267-009B004P	1m	600	40m	12000
180	Twisted single core wire EN2267-009B006P	1m	600	20m	12000
181	Twisted shielded jacketed wire EN2267- 013B004F	1m	700	20m	14000