

Annexure 2F: Trade specific norms for Machinery/ Tools/ Equipment

The list of latest required power norms & space norms is available on DGT website under the icon “Craftsmen Training Scheme> Trade syllabus>Latest trade syllabus” (link: <http://dget.nic.in/content/innerpage/trade-syllabus.php>)

Engineering Trades

S No	Name of the Trade	Unit Size	Space Norms for Workshop per unit (Sq. M)	Space Norms for Classroom (Sq M)	Power Supply Load (KW) 3-Phase, Commercial
1	Architectural Draughtsman	24	80+35 for Computer room	25	5
2	Attendant Operator (Chemical Plant)	20	104	25	13
3	Civil Engineer Assistant	24	120	25	6
4	Computer Hardware & Network Maintenance	24	70	25	3.45
5	Domestic Painter	24	80	25	2.5
6	Draughtsman(civil)	24	64	25	5
7	Draughtsman (Mechanical)	24	64	25	3.7
8	Electrician	20	98	25	5.2 (for 2 units in one shift)
9	Electronic Mechanic	24	56	25	3.04
10	Electroplater	20	60	25	16
11	Fitter	20	88	25	3.51
12	Foundryman	20	128	25	11
13	Carpenter	24	120	25	8
14	Industrial Painter	24	80	25	2.5
15	Information Technology	24	70	25	3.45
16	Information and Communication	24	70	25	3.45
17	Instrument Mechanic	24	80	25	8.07
18	Instrument Mechanic (Chemical Plant)	20	104	25	8

S No	Name of the Trade	Unit Size	Space Norms for Workshop per unit (Sq. M)	Space Norms for Classroom (Sq M)	Power Supply Load (KW) 3-Phase, Commercial
19	Interior Decoration and Designing	24	40+80+36 (6x6 for	25	10
20	Laboratory Assistant	20	96	25	6
21	Machinist	20	130	25	20
22	Machinist (Grinder)	20	102	25	23.4
23	Maintenance Mechanic (Chemical Plant)	20	96	25	13
24	Marine Engine Fitter	20	84	25	3
25	Marine Fitter	20	256	25	30
26	Mason (Building Constructor)	24	80	25	3
27	Mech. Motor Cycle	20	100 (Including Parking Area)	25	3
28	Mechanic Mechatronics (Fitting and Measurement)	20	192	25	8
29	Mechanic (Motor Vehicle)	20	210 (Including Parking Area)	25	4.8
30	Mechanic (Refrigeration and Air-Conditioner)	24	80	25	6.82
31	Mechanic (Tractor)	20	210	25	4.8
32	Mechanic Agricultural Machinery	20	56	25	5
33	Mechanic Air-Conditioning Plant			25	
34	Mechanic Auto Body Painting	20	210 (Including Parking Area)	25	4.8
35	Mechanic Auto Body Repair	20	210 (Including Parking Area)	25	4.8
36	Mechanic Auto Electrical and Electronics	20	100 (Including Parking Area)	25	3
37	Mechanic Consumer	24	56	25	3.04

S No	Name of the Trade	Unit Size	Space Norms for Workshop per unit (Sq. M)	Space Norms for Classroom (Sq M)	Power Supply Load (KW) 3-Phase, Commercial
	Electronics Appliances				
38	Mechanic Diesel Engine	20	150 (Including Parking Area, Workshop 130, Parking 20)	25	4.8
39	Mechanic Lens/Prism Grinding	16	100	25	7.5
40	Mechanic Machine Tools Maintenance	20	192	25	17
41	Mechanic Medical Electronics	20	120 sq m (inclusive of 10 sq m Dark room area)	25	5
42	Mechanic Mining Machinery	20	292	25	20
43	Operator Advanced Machine Tools	12	144	25	25
44	Painter General	16	56	25	5
45	Physiotherapy Technician	16	100	25	3
46	Plastic Processing Operator	16	Adequate Space	25	13.6
47	Plumber	20	80	25	2
48	Pump Operator-cum-Mechanic	16	84	25	11
49	Radiology Technician (Radio Diagnosis & Radiotherapy)	16	75.04	25	4
50	Refractory Technician	16	130 (L: B::2:1)	25	13.6
51	Rubber Technician	20	60	25	5
52	Sheet Metal Worker	16	80	25	11
53	Spinning Technician	16	525	25	19
54	Stone Mining Machine Operator	20	100 sq m covered area + 250 sq m open area	25	10
55	Stone Processing Machines Operator	20	100	25	10

S No	Name of the Trade	Unit Size	Space Norms for Workshop per unit (Sq. M)	Space Norms for Classroom (Sq M)	Power Supply Load (KW) 3-Phase, Commercial
56	Surveyor	20	64	25	3
57	Technician Power Electronic System	20	70	25	5
58	Textile Mechatronics	20	240	25	9
59	Textile Wet Processing Technician	20	104	25	8
60	Tool & Die Maker (Dies & Moulds)	24	130	25	29.6
61	Tool & Die Maker (Press Tools, Jigs & Fixtures)	24	130	25	29.6
62	Turner	20	110	25	18.5
63	Vessel Navigator	20	240	25	20
64	Weaving Technician	20	525	25	9.4
65	Welder	20	80	25	16
66	Welder (Fabrication & Fitting)	20	80	25	16
67	Welder (GMAW & GTAW)	20	80	25	16
68	Welder (Pipe)	20	80	25	16
69	Welder (Structural)	20	80	25	16
70	Welder (Welding & Inspection)	20	80	25	16
71	Wireman	20	88 (11x8)	25	5
72	Mechanic Consumer Electronic Appliances	24	56	25	3.04
73	Operator Advance Machine Tool	16	144	25	25
74	Electrician Power Distribution	20		25	
75	Solar Technician (Electrical)	20	50	25	3

S No	Name of the Trade	Unit Size	Space Norms for Workshop per unit (Sq. M)	Space Norms for Classroom (Sq M)	Power Supply Load (KW) 3-Phase, Commercial
76	Central Air Condition Plant Mechanic	24	120	25	6
77	Additive Manufacturing Technician (3D Printing)	20		25	
78	Aeronautical Structure and Equipment Fitter	20		25	

Non-engineering Trades

S. No	Name of the Trade	Unit Size	Space Norms for Workshop per unit (Sq. M)	Space Norms for Classroom (Sq M)	Power Supply Load (KW) 3-Phase, Commercial
79	Agro Processing	24	96	25	6
80	Tourist Guide	24	56	25	4
81	Baker and Confectioner	24	96	25	16.6
82	Bamboo Works	24	100	25	10
83	Cosmetology	24	70	25	6
84	Catering & Hospitality Assistant	20	64	25	19
85	Computer Aided	24	64	25	5
86	Embroidery & Designing				
87	Computer Operator and Programming Assistant	24	70	25	3.45
88	Dairying	24	125	25	3
89	Database System Assistant	24	70	25	3.45
90	Dental Laboratory Equipment Technician	24	120	25	12
91	Desktop Publishing Operator	24	70	25	4.3
92	Digital Photographer	24	48	25	6.35
93	Dress Making	20	64	25	5

S. No	Name of the Trade	Unit Size	Space Norms for Workshop per unit (Sq. M)	Space Norms for Classroom (Sq M)	Power Supply Load (KW) 3-Phase, Commercial
94	Fashion Design & Technology	20	64	25	5
95	Finance Executive	24	80 (50 + 30 Language Lab)	25	4
96	Fire Technology and Industrial Safety Management	24	*1,000 sq m for practical training ground can be away from the institute at a distance of maximum 20 kms in safe zone	25	2
97	Floriculture & Landscaping	24	1 hectare plot of land/10000 Sq m	25	2
98	Food Beverages	24	96	25	6
99	Food Beverages Guest Services Assistant	20	48	25	8
100	Food Production (General)	24	96	25	4
101	Footwear Maker	20	72	25	4
102	Front Office Assistant	24	56	25	4.5
103	Fruit & Vegetable Processing	24	96	25	5
104	Health Safety and Environment	24	*1,000 Sq m for practical training ground can be away from the Institute at a distance of maximum 20 kms in safe zone	25	2
105	Health Sanitary Inspector	24	40	25	4
106	Horticulture	24 Unit Size	1-hectare plot of land/10000 sq m	25	2
107	Hospital Housekeeping	24	40	25	5
108	Housekeeper	24	40	25	4.5
109	Human Resources Executive	24	80 (50 + 30 Language Lab)	25	4

S. No	Name of the Trade	Unit Size	Space Norms for Workshop per unit (Sq. M)	Space Norms for Classroom (Sq M)	Power Supply Load (KW) 3-Phase, Commercial
110	Leather Goods Maker	20	72	25	4
111	Marketing Executive	24	80 (50 + 30 Language Lab)	25	4
112	Milk & Milk Product Technician	24	96	25	6
113	Multimedia Animation &	24	130 (Studio -50 sq m,	25	6
114	Special Effect		Lab- 80 sq m		
115	Old Age Care	24	100	25	2
116	Photographer	24	48	25	7
117	Pre/ Preparatory School Management (Assistant)	20	48	25	3
118	Video Cameraman	24	96	25	4
119	Secretarial Practice(English)	24	48	25	8
120	Sewing Technology	20	64	25	5
121	Software Testing Assistant	24	70	25	3.45
122	Spa Therapy	24	80	25	6
123	Stenographer and Secretarial Assistant (English)	24	48	25	8
124	Stenographer and Secretarial Assistant (Hindi) (As hulipiavam Sachivalay Sahayak (Hindi)	24	48	25	8
125	Surface Ornamentation Techniques (Embroidery)	20	64	25	5
126	Travel &Tour Assistant	24	56	25	4.5
127	Weaving Technician for Silk And Woolen Fabrics	20	144	25	17
128	Remotely Piloted Aircraft (RPA)/Drone Pilot	24	35	25	3

S. No	Name of the Trade	Unit Size	Space Norms for Workshop per unit (Sq. M)	Space Norms for Classroom (Sq M)	Power Supply Load (KW) 3-Phase, Commercial
129	Soil Testing and Crop Technician	24	(i) 200 Sq. Metres (ii) 1 Acre Farming Land	25	2
130	Driver cum Mechanic	20	56	25	6.82
131	Early Childhood Educator	24	48	25	3
132	IoT Technician (Smart Agriculture)	24	70	25	3.45
133	IoT Technician (Smart City)	24	70	25	3.45
134	IoT Technician (Smart Health Care)	24	70	25	3.45
135	Smartphone Technician Cum App Tester	24	35	25	3
136	Geo-Informatics Assistant	24	35	25	3.45
137	Fireman	24	1000	25	2

Trade for Visually Impaired

S No	Name of the Trade	Unit Size	Space Norms for Workshop per unit (Sq M)	Space Norms for Classroom (Sq M)	Power Supply Load (KW) 3-Phase, Commercial
138	Computer Operator & Programming Assistant	12	35	25	3.45
139	Cutting & Sewing	12	35	25	4
140	Desktop Publishing Operator	12	35	25	4.3
141	Hair & Skin Care	12	35	25	4
142	Metal Cutting Attendant (for Visually Impaired)	12	100	25	18