

Trade wise Raw Material Requirement

Trade **Maintenance Mechanic (Chemical Plant)**

Sector **CHEMICALS AND PETROCHEMICALS**

Type of Trade **Engineering Non Machine Group**

NSQF Level **5**

Affiliated to **NCVT**

DGET Trade Code **DGT/1055**

Duration in Years **2**

Intake Per Unit **20**

Raw Material for **First Year Training**

Total Items **57**

Total Amount **41878 Rs.**

Per Trainee Amount **2093.9 Rs.**

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
1	Hand Gloves	Number	500	20	10000
2	Safety shoes	Number	330	1	330
3	Mask	Number	30	1	30
4	Ear Plug	Number	250	1	250
5	Helmet	Number	300	1	300
6	Safety Jacket	Number	450	1	450
7	First Aid Box	Number	1200	1	1200
8	M.S. Flat (50 x 6 mm)	Meter	225	12	2700
9	M.S. Flat (50 x 10 mm)	Meter	225	12	2700
10	M.S. Flat (150 x 3 mm)	Meter	225	12	2700
11	M.S. Flat (50 x 3 mm)	Meter	225	12	2700
12	Hacksaw Blade	Number	80	24	1920
13	Cotton Waste	Kilogram	50	10	500
14	Acetylene gas cylinder	Kilogram	300	1	300
15	Oxygen gas Cylinder	Kilogram	50	1	50
16	M.S electrode (3.15 mm)	Kilogram	450	1	450
17	M.S. Rod (Diameter 32 mm)	Kilogram	225	1	225
18	Filler Rod	Number	200	5	1000
19	battery (9 V)	Number	30	2	60
20	Copper sulphate	Kilogram	18	1	18
21	Nitric Acid (HNO3)	Liter	350	1	350
22	Hydrochloric acid (HCl)	Liter	500	1	500
23	Sulphuric acid (H2SO4)	Liter	90	1	90
24	Sodium Hydroxide (NaOH)	Kilogram	150	1	150
25	Cupric Oxide	Kilogram	500	1	500

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
26	Sodium Chloride (NaCl)	Kilogram	90	1	90
27	Carbon disulphide	Liter	90	1	90
28	Paraffine liquid	Liter	100	1	100
29	Sodium Carbonate (Na ₂ CO ₃)	Kilogram	500	1	500
30	Litmus Paper	Number	50	2	100
31	Filter Paper	Number	50	2	100
32	Phenolphthalein Indicator	Liter	150	1	150
33	Methyl Orange Indicator	Liter	150	1	150
34	Sulphur Powder	Kilogram	50	1	50
35	Iron Powder	Kilogram	70	1	70
36	Copper Powder	Kilogram	700	1	700
37	Distilled Water	Liter	60	2	120
38	Vegetable oil	Liter	150	1	150
39	Food Colour	Number	50	1	50
40	Scent	Number	150	1	150
41	Capillary tube	Number	100	5	500
42	Machine Oil	Liter	450	1	450
43	Lubricating Oil	Liter	450	1	450
44	Cutting Oil	Liter	450	1	450
45	Grease	Kilogram	450	1	450
46	Glass Wool	Kilogram	150	2	300
47	Thermocol	Kilogram	25	1	25
48	Gasket ,Rubber Gasket (3 mm)	Kilogram	200	10	2000
49	G.I Pipe (1/2)"	Meter	100	12	1200
50	Pipe Fittings (different Types)	Number	80	20	1600
51	Fire extinguisher	Number	450	1	450
52	Kerosene/diesel	Liter	100	1	100
53	Cotton Duster	Number	20	12	240
54	Teflon Tape	Number	25	10	250
55	Wire Brush	Number	50	10	500
56	Antirust Sprey	Number	400	2	800
57	Polish paper	Number	35	2	70

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S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
1	Lubricating Oil	Liter	450	1	450
2	Bearing (Bush ,Ball, Thrust, Roller)	Number	300	4	1200
3	Kerosene/diesel	Liter	100	20	2000
4	Grease	Kilogram	150	5	750
5	Cotton waste	Kilogram	50	25	1250
6	Cotton Duster	Number	20	12	240
7	Polish Paper	Number	35	60	2100
8	Machine Oil	Liter	450	2	900
9	Gasket ,Rubber Gasket (3 mm)	Kilogram	200	25	5000
10	Antirust Sprey	Number	400	6	2400
11	gland packing Asbestos gland rope	Kilogram	150	1	150
12	Calcium carbonate (CaCO3)	Kilogram	45	5	225
13	Filter Cloth	Meter	250	10	2500
14	Wire Brush	Number	50	6	300