

Trade wise Raw Material Requirement

Trade **Electronics Mechanic**

Sector **ELECTRONICS AND HARDWARE**

Type of Trade **Engineering Non Machine Group**

NSQF Level **5**

Affiliated to **NCVT**

DGET Trade Code **DGT/1005**

Duration in Years **2**

Intake Per Unit **24**

Raw Material for **First Year Training**

Total Items **120**

Total Amount **26295 Rs.**

Per Trainee Amount **1095.625 Rs.**

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
1	Hyalm board (185mm*80mm)	Nos	200	10	2000
2	Sandpaper	Dozen	120	1	120
3	Aluminium sheet (250mm*200mm2mm)	Nos	150	10	1500
4	Brass or Copper sheet 50mm*30mm*1mm)	Nos	250	10	2500
5	PVC single strand 1.5 sq.mm	mtrs	50	5	250
6	PVC single strand 2.5 sq.mm	mtrs	60	5	300
7	PVC single strand 14 /0.2mm	mtrs	75	5	375
8	PVC single strand 21/ 0.2 mm	mtrs	80	5	400
9	PVC single strand 40 / 0.2mm	mtrs	85	5	425
10	PVC 3 & 4 core cable 250mm to 300mm long	mtrs	90	5	450
11	PVC insulated copper cable (7/0.914 grade of 660 volt) 1 mtr	mtrs	80	5	400
12	PVC insulated copper cable (1/1.12)	mtrs	100	5	500
13	PVC insulated copper cable (1/1.40)	mtrs	130	5	650
14	2 & 3 pin Plug	Nos	20	40	800
15	Crocodile clips (red-6 black-6 green-1) Banana Plugs (red-6 black-6 green-1)	Nos	5	20	100

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
16	LED Bulbs (230volt /3wt,5wt,7wt,12wt,18 wt.)	Nos	150	5	750
17	Bulb holder	Nos	20	10	200
18	Two pin and Three pin sockets	each	35	10	350
19	AC Fuse with holder	each	30	10	300
20	Switches PST,SPDT,DPST,DPDT,Thumbler push button,toggle,piano.)	Nos	15	10	150
21	sizez,voltages.1.5 volt.D size,C size,AA sizeAAA size.	Nos	15	10	150
22	Cylindrical cells (Rechargeable-non rechargeable non-alkaline & alkaline)	Nos	50	5	250
23	Distilled water, and Sulphuric acid	Nos	60	5	300
24	Battery 6 volt,12 volt.	Nos	700	10	7000
25	Resistors (Carbon composition) assorted values.	each	50	100	5000
26	Potometer assorted values	Nos	10	10	100
27	Capacitors electrolytic (Polarise)1mfd/63v to 4700mfd/63 volt.)	Nos	15	25	375
28	Capacitors (Non-Polarise) assorted values.	Nos	5	10	50
29	Inductances assorted values.	Nos	5	10	50
30	Relay 6 volt,12 volt	Nos	50	10	500

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Duration in Years **2**

Intake Per Unit **24**

Raw Material for **Second Year Training**

Total Items **53**

Total Amount **32765 Rs.**

Per Trainee Amount **1365.208 Rs.**

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
1	Magnetic contactor,3 phase 230v/20 amp	Nos	250	5	1250
2	MCB & ELCB	Nos	250	5	1250
3	Transformers,6-0-6v/500ma,9-0-9v/500ma,12-0-12volt / 1 Amp.18-0-18 v/1 amp.	Nos	35	10	350
4	Soldering metal 22 swg.	Kilogram	480	1	480
5	Soldering flux	box	15	10	150
6	PCB	Nos	30	50	1500
7	Wrist Strap	each	25	50	1250
8	ESD wrist strap testing using multimeter	each	20	50	1000
9	Conductive Gloves	each	25	50	1250
10	ESD bins, and containers	nos	50	10	500
11	Diode, 1N4001 to 1N4007	Nos	2	50	100
12	Diode 2N5402	Nos	5	50	250
13	SMD Components assorted values Resistors,capacitors,diodes,transistors, inductors regulated lcs	each	5	50	250
14	SMD IC Packages assorted types.	each	10	50	500
15	Zener Diode, 5v,6v,9v,12, & 24 volt /2 watts.	Nos	2	10	20

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
16	Regulated IC's 7805,7806,7809,7812. 7905,7906,7909,7912.,IC LM317 T.	Nos	20	10	200
17	CAT5/5e/CAT 6 cable	mtrs	14	50	700
18	RJ 45 connector	Nos	6	50	300
19	RJ 11 connector	Nos	6	50	300
20	SMPS (ATX type)	Nos	350	5	1750
21	Antivirus	No	650	1	650
22	USB Key Board	Nos	350	5	1750
23	USB Mouse	Nos	150	5	750
24	Transistors silicon ,AC 187,AC188,AC128. BC147/547,BC148/548 BC 157,BC158.	Nos	5	25	125
25	Transistors Germanium ,BC107,BC108,187,AC188,AC128.	Nos	20	25	500
26	UJT (Germanium)) 2N2646,2N2647,NTE6409.	Nos	65	10	650
27	UJT (Silicon) 2N4871 ,2N4870,	Nos	35	10	350
28	FET (Germanium) BFW 10 , BFW 11	Nos	55	10	550
29	Diac DB2	Nos	25	10	250
30	Triac BT136,BT139	Nos	30	10	300
31	IC 555	each	20	20	400
32	SCR TYN6004 (Si)	each	30	20	600
33	IC 8038	Nos	40	10	400
34	SMD Components assorted values chip Resistors,(100R -100 ohms,634R -634 ohms 909R-909ohms 1001R-	each	5	20	100

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
35	Rosin cored solder wire	box	25	10	250
36	General Purpose PCB OR SMD PCB.	Nos	35	25	875
37	SMD Components, Transistors, SOT (small outline Transistors),SMD Capacitors,SMD Regulated IC's	Nos	10	25	250
38	SMD Inductors inductors,SMD Diodes.	Nos	10	25	250
39	Assorted types of fuses,(KIT Kat,grass cartridge type open and closed types,HRC fuse	Nos	50	5	250
40	Audio & video cables	Nos	75	5	375
41	Radio Receivers kit	Nos	350	5	1750
42	FM Receivers Kit	Nos	200	5	1000
43	Assorted types of Sensors,	Nos	150	5	750
44	Assorted OFC cables	mtrs	100	10	1000
45	Assorted OFC connectors	mtrs	50	10	500
46	IC 7106	Nos	18	10	180
47	IC 7107	Nos	18	10	180
48	FND Display (Common Anode, & Common Cathode)	Nos	65	10	650
49	SMPS (AT & ATX type)	Nos	350	5	1750
50	IC LM 2576	Nos	10	5	50
51	IC MC34063	Nos	16	5	80
52	Soler Panel 12 volt	Nos	700	2	1400
53	Different types of cell phones / smart phones assorted parts.	each	100	5	500