

**Trade wise Raw Material Requirement**

Trade **Information and Communication Technology System Maintenance**

Sector **IT & ITES**

Type of Trade **Engineering Non Machine Group** NSQF Level **5**

Affiliated to **NCVT** DGET Trade Code **DGT/1019**

Duration in Years **2** Intake Per Unit **24**

Raw Material for **1st Years Training** Total Items **229**

Total Amount **404968** Rs. Per Trainee Amount **16873.67** Rs.

S.N.	Name of Item	Unit or Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
1	Sketch pen set (Set of 12 pens)	Nos	89	24	2136
2	Fevicol tubes (25 gms)	Nos	20	24	480
3	Glass fuse (1 Amp to 10 Amp)	Nos	30	10	300
4	Digital Multimeter probes in pairs	Pairs	100	10	1000
5	Digital multimeter (kits)	Nos	2100	12	25200
6	Ribbon wires (Patch wires) (patch of 10 conductors)	Meters	498	24	11952
7	Thermistors (PTC and NTC)	Nos	10	24	240
8	Resistors assorted value box (decadic) 1/2 watt	box	400	24	9600
9	VDRS (voltage dependent resistors ) (assorted values)	Nos	115	24	2760
10	LDRs (Light dependent resistors) (assorted values)	Nos	120	24	2880
11	Potentiometers(1K, 10K, 100K) (Phillips)	Nos	50	24	1200
12	step down transformer (230 to 12 V Ac)	Nos	75	24	1800
13	Assorted capacitors box (assorted values)	Box	800	24	19200
14	Capacitors electrolytic 1mfd/25 volt , 4.7mfd/25volt , 220mfd/25 volt, 500mfd/25	nos	300	24	7200
15	Diodes 1N 5401, 1N 4007	Nos	10	50	500
16	Bridge rectifier modules	Nos	100	24	2400
17	Zener diode 12 volt/1watt	Nos	5	24	120

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
18	Transistors SL100,SK 100,BC547,BF194,BC107	Nos(each)	25	24	600
19	UJT transistor 2N2646	Nos	30	24	720
20	FET BFW61	Nos	45	24	1080
21	MOSFET 1A06AA	Nos	50	24	1200
22	SCR CR106	Nos	35	24	840
23	DIAC DB3	Nos	35	24	840
24	TRIAC TBT44	Nos	50	24	1200
25	Variable regulated power supply kit (Vegakit)	Nos	1000	12	12000
26	IC 7805	Nos	35	12	420
27	IC 7905	Nos	35	12	420
28	sine wave Invertor kit [Sine Wave Inverter Kit with LCD display (850	Nos	6000	2	12000
29	Logic gate IC 7408,7432,7404,7400,7402,7486	Nos	90	12	1080
30	shift register IC 74LS95B	Nos	250	2	500
31	counter IC 74LS68	Nos	300	2	600
32	Battery 12 volt 9 Amp Hr (Maintenance free)	Nos	2000	12	24000
33	Batteries 12volt/26 AH (Maintenance free)	Nos	2600	16	41600
34	CRO probes pair	nos	285	2	570
35	FM transmitter kit( DIY kits)	Nos	800	5	4000
36	Sensors kit Quad Store(TM) - 46 in 1 Sensor Modules Kit for Arduino Uno R3, Mega 2560,	Nos	1200	2	2400
37	Paper A4 size	rims	190	2	380
38	paper legal size	rims	215	2	430
39	PC cabinet	Nos	1500	2	3000
40	Motherboards Asus-H110M-CS (10th generation)	Nos	5000	4	20000

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
41	RAM DDR4 2133 MHz	Nos	2200	4	8800
42	HDD 1 Tb samsung	Nos	3700	4	14800
43	SMPS Zebronics ZEB450W GoldSeries	Nos	800	4	3200
44	DVD Drive LG GH24NSC0 DVD Writer 24x SATA	Nos	2200	4	8800
45	Connection cables 60 cm SATA3 data cables	Set	80	4	320
46	Expansion cards XOX KS108 USB Audio Interface Network ,High-	Nos	600	4	2400
47	Microprocessor chip 10th Generation Intel Core i3	Nos	10000	4	40000
48	Monitor (panel) - Zebronics 18.5 inch ZEB-A15 LED Monitor panel	Nos	8500	4	34000
49	CPU Fan - Cooling fan for socket LGA 1151	Nos	700	4	2800
50	MicroSD cards 64GB ,class 10	Nos	1000	4	4000
51	Hard disk drives 240gb samsung SSD	Nos	4500	4	18000
52	Antivirus software (1 User) (Netprotector or quickheal)	Nos	1400	10	14000
53	BIOS batteries Panasonic CR2032 3V Coin Cell Batteries	Nos	25	12	300
54	Pen Drives SanDisk Ultra Dual 64GB USB 3.0 OTG Pen Drive	Nos	800	4	3200
55	CDs (blank) Sony	Nos	20	50	1000
56	DVDs (blank) Sony	Nos	30	50	1500
57	Bluetooth Earphone with microphone	Nos	2500	10	25000
58	Laptop Battery According to Model Available	Nos	4000	1	4000

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Duration in Years **2**

Intake Per Unit **24**

Raw Material for **1st Years Training**

Total Items **229**

Total Amount **320150 Rs.**

Per Trainee Amount **13340 Rs.**

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
1	RAM 1 GB -DDR1 (as per Desktop PC / Laptop support)	Nos	1000	2	2000
2	RAM 2 GB -DDR2 (as per Desktop PC / Laptop support)	Nos	1200	2	2400
3	RAM 4 GB -DDR3 (as per Desktop PC / Laptop support)	Nos.	2200	2	4400
4	RAM 4 GB -DDR4 (as per Desktop PC / Laptop support)	Nos.	2500	2	5000
5	Cartridges for printer (Colour Cartridge / colour ink bottle as per model)	sets	4500	2	9000
6	Toner Ink 12A, 88A, for printer ( ink powder bottle 150 / 200 ml)	Nos	550	5	2750
7	SMPS	Nos	850	5	4250
8	CMOS Battery	Nos	25	50	1250
9	Cat 5/5e/6 cable	meters	30	300	9000
10	32 GB pen drives	No	600	4	2400
11	CDs	No	15	25	375
12	DVDs	No	25	25	625
13	Anti static pads	No	1050	25	26250
14	Anti static wrist wraps	No	650	25	16250
15	RJ – 45 Connector	No	10	100	1000
16	Keystone jack	No.	250	5	1250
17	Patch / Jack Panel	No	2900	25	72500

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
18	Patch / Mounting cord	Mtrs	300	5	1500
19	RJ-45 Info outlet with faceplate	No	200	25	5000
20	RJ-45 I/O Box	No	550	25	13750
21	RJ – 45 Cable extender	No	150	25	3750
22	8-port HUB / Switch	Nos.	1100	4	4400
23	LAN Card	Nos.	650	4	2600
24	Wi-fi LAN Card both PCI and USB	Nos.	650	2	1300
25	Display Card	Nos.	900	2	1800
26	USB to RJ-45 converter	Nos.	500	8	4000
27	RJ-45 to USB converter	Nos.	400	8	3200
28	USB HDD1000 GB	Nos.	4000	2	8000
29	SSD 1 tb hdd	Nos.	10000	2	20000
30	Carbon tetrachloride solution 500 ml	No	2000	1	2000
31	WD 40 solution 200 ml	No	450	1	450
32	Mouse	Nos.	400	10	4000
33	Keyboard	Nos	700	10	7000
34	Keystone Punch down tool for LAN JACK	Nos	400	5	2000
35	LAN Tester	Nos.	300	2	600
36	WI FI Router	Nos.	3000	2	6000
37	WI FI Dongle	Nos.	750	5	3750
38	Bluetooth Dongle	Nos.	400	5	2000
39	Broadband 4G Dongle	Nos.	1600	2	3200
40	Switch 8 port	Nos.	1200	2	2400

S.N.	Name of Item	Unit of Measurement	Rate per Unit in Rs.	Qty	Amount in Rs
41	Card Reader	Nos.	100	5	500
42	SATA Cable	Nos.	80	5	400
43	PATA cable	Nos.	200	5	1000
44	SMD Component Twizer Type	Nos.	600	2	1200
45	Sound Card	Nos.	700	2	1400
46	External DVD Writer	Nos.	1700	2	3400
47	Paper pick up roller	Nos.	350	1	350
48	Paper pick up relay	Nos.	700	1	700
49	3 Pin Power Cord	Nos.	350	10	3500
50	VGA Cable	nos	500	5	2500
51	Co- axial Cable 100 ml Bundel	Bundle	1300	1	1300
52	BNC Connector	Nos	250	10	2500
53	T Type Connector	Nos.	250	10	2500
54	Riboon Cartidge	Nos.	350	2	700
55	Web Cammera(Logitech c 270 hd webcam)	Nos.	2200	2	4400
56	Modem D- LinkDSL 2750U Wireless ADSL+Router	Nos	2000	2	4000
57	Multimedia System	Nos	5000	5	25000
58	Speaker for Sound system	Nos	700	2	1400