

Chandigarh College of Engg. & Tech.



CCET

**CHANDIGARH COLLEGE OF ENGINEERING &
TECHNOLOGY (DEGREE WING),
SECTOR 26, CHANDIGARH**

(FAX No. 0172-2750872, Phone No. 0172-2750943)

**NOTICE FOR PURCHASE OF MATERIAL FOR
VARIOUS LABS OF ME DEPTT.**

College website: - www.ccet.ac.in

Chandigarh College of Engineering & Technology (Degree Wing), Sector-26, Chandigarh invites sealed envelopes in physical form for the purchase of materials for various labs of Mechanical Engineering Department. The last date for receipt of the same in this institute is 23.01.2020 at 3.00 P.M. Detail of material and terms & conditions are available at Notice Section of www.ccet.ac.in. However for any query, general information, guidance and reference with regard to above purchase, you can also approach to office of Principal, Chandigarh College of Engineering & Technology (Degree Wing), Sector-26, Chandigarh on any working day between 9.00 am to 5.00 pm.

Principal

List of material to be purchased for various labs of Mechanical Engineering Department in Chandigarh College of Engineering and Technology (Degree Wing) Chandigarh. Each Participant is required to submit EMD amounting to Rs. 7500/- in favour of Principal, Chandigarh College of Engineering and Technology (Degree Wing) Chandigarh on or before 23.01.2020 at 3.00 P.M., the said EMD will be returned to unsuccessful participants after opening the envelopes (rate quoted). The EMD of L1 will be returned after receiving of inspection of committee/fulfill of contract etc.

For Mechanics of Material Lab:

S. No.	Name of the Materials	Quantity	Rate quoted
1.	Square Bar of Aluminium (10 mm)	30 Kg	
2.	Square Bar Of Mild Steel (10 mm)	70 Kg	
3.	Round Bar 10 mm	70 Kg	
4.	Round Bar 16 mm	50 Kg	
5.	Round Bar 25 mm	50 Kg	
6.	Round Bar 35 mm	50 Kg	
7.	Chop Saw Blade (Dia 300 mm)	10Pcs.	
8.	Hand Hacksaw Blade	01 Packet	
9.	Open End Spanner Set (12 Pieces)	01 Set	
10.	Bench Vice	01 Pc.	
11.	Coarse File (8'' inch)	01 Pc.	
12.	Fine File (8'' inch)	01 Pc.	
13.	Plier	01 Pc.	
14.	Adjustable Spanner	01 Pc.	
15.	Screw Driver Kit	01 Pc.	

For Mechanical Vibration Lab:

S. No.	Name of the item	Quantity	Rate quoted
1.	Drill Chuck	10	
2.	Mobil Oil (5W-30 viscosity)	01 litre	
3.	Motor Repair	01	

4.	Male Plugs and Female Plugs	20	
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For CNC Project:

Item No.	Part Name	Description	Quantity	Rate quoted
1	MDF Sheets	2'*4' 3/4" thick	4	
2	MDF Sheet Cutting	Labour charges	1	
3	Al Angled Rail	1/8" t, 3/4" w, 8'	1	
4	Al Angled Rail	1/8" t, 1 1/4" w, 8'	1	
5	Bolt	l=2",d=1/2"	15	
6	Washer	1/2"	15	
7	Nut	1/2"	15	
8	Stepper Motor	2.8 A	3	
9	Stepper Motor Driver	40V DC, 3A	3	
10	Power Supply	36V,9 .7A output	1	
11	Breakout Board	Bi-Directional, Parallel	1	
12	5V Transformer	DC 400mA (6V also works)	1	
13	Cooling Fan	1 for 1 stepper motor each	3	
14	18 Gauge BLACK Wire	For connections	50 ft	
15	18 Gauge RED Wire	For connections	50 ft	
16	18 Gauge GREEN Wire	For connections	10 ft	
17	18 Gauge WHITE Wire	For connections	10 ft	
18	Soldering Kit	Solder rod, wire stripper, solder etc.	1	
19	Fan	120V	1	
20	Shrink Tube	Commercially available size	0.5m	
21	Plastic Wire Conduit	1" dia	1m	
22	8' Extension Cord	For Power Supply (3 pronged)	1	
23	5' Extension Cord	For 120V fan (2-pronged)	1	
24	Multimeter	For checking	1	

		connections		
25	6*2 Screw Terminal	Wire connection hub	1	
26	Third hand clamp	Tool holding device	1	
27	Lead Screw	1/2" dia, Reg. Threaded Rod 13 TPI	6'+3'+3'	
28	1/4" Nut	l=1"	94	
29	1/4" Pan Head Bolt	l=2"	16	
30	Cross Dowel	For securing MDF sheets	55	
31	Bearing(for Lead Screw)	ID=1/2", OD=1 1/8"	6	
32	Bearing(for BRAs)	ID=5/16", OD=7/8"	24	
33	1/4" Bolt(for BRAs)	l=1"	26	
34	1/4" Bolt	l=1 1/4"	36	
35	1/4" Bolt	l=3"	24	
36	1/4" Bolt	l=1 1/2"	2	
37	1/2" Square Nut	t=0.5"	2	
38	1/4" Bolt	l=2"	4	
39	2" Bolt	d=1/8"	12	
40	#8 Nut	l=1 5/2"	12	
41	#8 Bolt	l=2 1/2"	12	
42	Palm Router	Bosch	1	
43	Motor/Lead Screw Coupling	1 per 1 motor	3	
44	Protective Glove	Safety Equipment	6	
45	Breathing Mask	Safety Equipment	5	
46	Safety Glass	Safety Equipment	5	
47	Miscellaneous Tools	Frostner bits, Transfer punch, Taps, Laminate Routers etc.		
48	Adapter Cable	USB to Parallel IEEE 1284 36 Pin	1	
49	Power Adapter	6V DC, 1A	1	
50	Solid State Relay	5V, 10A	1	

51	Limit Switch	3 Pin Switches	5	
52	Emergency Stop Switch	10A	1	

For 3D PRINTER:

Sr. No.	Name of Item	Quantity	Rate quoted
1	PLA 1.75mm 3D Printer Filament	10	

Theory of Machine:-

Sr. No.	Name of Item	Quantity	Rate quoted
1	Digital Weight Balance 25 Kg	04	
2	Spring Balance 10 Kg	03	

Automobile Engineering: -

S. No.	Name of Item	Quantity	Rate quoted
1	Spanner set (Double sided open-end 12 Pieces)	01	
2	Spanner set (Ring type Double sided 12 Pieces)	01	
3	Socket key set	01	
4	Screw driver set with tester	01	
5	Plier	01	
6	Power extension board	04	
7	3 Pin 16 Amp. Plug	05	
8	3 Pin 6 Amp. Plug	08	
9	Digital Tank Thermometer	01	
10	Energy meter	02	
11	Digital clamp Multimeter	01	
12	Alien key set	01	
13	Cone (Lubricator oil keep)	01	
14	Tool Kit box	01	
15	Digital Tachometer	01	