



सीएसआईआर-प्रगत पदार्थ तथा प्रक्रम अनुसंधान संस्थान  
CSIR-Advanced Materials And Processes Research Institute

**ANNUAL PROCUREMENT PLAN: 2023-2024**

Annual procurement plan for P50 budget head (apparatus equipment/computer equipment)

<b>Sr. No.</b>	<b>Nature of Apparatus/Equipment</b>	<b>Tentative Budget (Rs. in Lakh)</b>
1.	CVD furnace/RF generator/vacuum chamber with turbo pump	13.00
2.	Wet Bench	1.75
3.	Glove Box	2.40
4.	2 Cylinders with 2 regulators	0.90
5.	Atomic Force microscope	100.00
6.	Stylus surface profilometer	50.00
7.	3D Optical surface profilometer	70.00
8.	Diesel Generator-40 KVA	7.00
9.	Upright brightfield microscope	1.93
10.	Incubator shaker	1.95
11.	Beta surface analyser	40.00
12.	Knot removing machine	1.50
13.	Impact tester	1.50
14.	Inert gas ball milling	20.00
15.	Laptop	4.8
16.	Probe Ultrasonicator	5.00
17.	High score+ Software	15.00
18.	Deep Fridge	6.00
19.	Probe Sonicator	2.50
20.	Weighing Balance	2.25
21.	Nano drop UV	10.00
22.	Refrigerator	0.50
23.	Vacuum Casting Machine	2.00



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Sr. No.	Nature of Apparatus/Equipment	Tentative Budget (Rs. in Lakh)
24.	VSP 300 Power supply	1.90
25.	Photocatalytic Reactor	2.50
26.	Shock Tube	13.00
27.	UPS	8.00
28.	Motorized Hardness Tester	11.00
29.	Chiller	3.00
30.	Atmospheric CVD	18.00
31.	Printer	0.25
32.	pH meter	8.00
33.	TDS	0.70
34.	Analytical Balance	0.60
35.	Lyophilizer	4.80
36.	Lifetime measurement system	50.00
37.	Source meter	7.50
38.	Weighing balance	3.50
39.	Wet Chemical Bench	1.25
40.	Hot plate with ceramic base	0.40
41.	Spin coater	1.25
42.	Muffle furnace (up to 1200 C)	1.25
43.	Thermal evaporation system	25.00
44.	Belt grinder and computer hardware	0.70d
45.	Almirah	0.30
46.	AMC of FESEM	6.00
47.	EDS AMC	5.00
48.	Air Conditioner	1.00
49.	Tractor	5.00
50.	Photocopy Machines	3.00
51.	Telephone	0.40
52.	Desktop computers	22.60



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Sr. No.	Nature of Apparatus/Equipment	Tentative Budget (Rs. in Lakh)
53.	Printers / Color Printers /MFP	7.00
54.	Smart Display/Televisions	5.60
55.	Spare parts of vacuum hot press + electrochemical testing	3.00
56.	Water Cooler	0.80
57.	Fan (Wall Mounted) (02)	0.60
58.	Smart Board	2.00
59.	Photoluminescence Spectrometer	9.00
60.	DSO	1.50
61.	LabView Software (Perpetual License Version)	8.26
62.	Bench Top ED-XRF	105
63.	Table Top XRD	88
64.	In – Situ Oxygen Monitoring Kit	8.00
65.	Microwave Synthesiser	17.15
66.	Interactive Display Panel	1.3
67.	Water Qualifier Testing Spectrophotometer	4.95
68.	BLDC Ceiling Fan/ Pedestal Fan / Wall Fan	0.35
69.	Electro/Universal testing Machine	10.00
70.	Micro Weighing Balance	1.00
71.	Optical Microscope	2.50
72.	Online 20kva UPS (3 phase input and 3 phase output)	10
73.	Double Quartz Distillation Unit	1.25
74.	Rotary Vacuum Pump and KF-25 Steel	0.84
75.	Fatigue Rated Servo-Hydraulic UTM Machine of 100kN Capacity	

Note: The annual procurement plan shall not be construed as initiation of a procurement process and cast any obligation on the procuring identity to issue the bidding document or confer any right on prospective bidders (Rule 144(x) of GFR 2017).