

**CSIR-IMMT Annual Procurement Plan with Tentative list of Equipment for the year 2023-24**

<b>Sl. No.</b>	<b>Item Description</b>	<b>Quantity</b>
1.	Benchtop X-Ray Diffractometer(XRD)	1 No
2.	Design, supply, fabrication, installation, erection & commissioning of Paste Thickener Pilot Plant	1 No
3.	Pilot Slurry Pipe Loop Erosion Setup	1 No
4.	Dense Phase Pneumatic Conveying Pilot plant	1 No
5.	Numerical Control Press Brake	1 No
6.	Center Lathe Machine(All Geared Type)	1 No
7.	SOFC Single cell sample testing Ceramic holder with required heating assembly for SOFC/SOEC testing	1 No
8.	DNA/RNA Sequencing and Data Analysis System	1 No
9.	XRD	1 No
10.	Dual Furnace Thermo-Gravimetric Analyzer/Proximate Analyzer	1 No
11.	Sound system for Auditorium	1 No
12.	Isoperibol Calorimeter (PC Controlled) for GCV of Coal/Coke	1 No
13.	Benchtop Optical Emission Spectrometer	1 No
14.	Induction Melting Furnace System	1 No
15.	Double Beam Atomic Absorption Spectrometer	1 No
16.	Laptop	As per requirement
17.	Hot Plate	As per requirement
18.	Furnace	As per requirement
19.	Fume Hood	As per requirement
20.	Computer Workstation	As per requirement
21.	Spin Coater	As per requirement
22.	Vacuum Mixer	As per requirement
23.	Split AC 1.5/2.0 Ton etc.	As per requirement

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24.	Tower AC	As per requirement
25.	Cutting Machine	As per requirement
26.	Analytical Balance	As per requirement
27.	Gas Chromatograph	As per requirement
28.	Electrical Panel	As per requirement
29.	Crimping Machine	As per requirement
30.	Fume Hood	As per requirement
31.	Motorized Worm	As per requirement
32.	Laboratory Furniture	As per requirement
33.	Sample Collection Bag	As per requirement
34.	Vacuum Pump	As per requirement
35.	PH Meter	As per requirement
36.	Hydrothermal	As per requirement
37.	Mass Flow Controller	As per requirement
38.	Microscope	As per requirement
39.	Magnetic Stirrer	As per requirement
40.	Pelletizing Disc	As per requirement
41.	Vacuum Desiccator	As per requirement
42.	Variable Frequency Drive	As per requirement
43.	Hydrothermal bomb heating	As per requirement
44.	Programmable AC-DC Power Source	As per requirement
45.	Sound Systems	As per requirement
46.	Centrifuge	As per requirement
47.	Automatic Weather Station	As per requirement
48.	Surveillance system	As per requirement
49.	Press Die	As per requirement
50.	Contact angle Meter	As per requirement

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51.	Various size Glass Jacketed Reactor	As per requirement
52.	IP Camera	As per requirement
53.	Bench Scale Pot Grate System	As per requirement
54.	Automatic Pull-Off Adhesion Gauge	As per requirement
55.	Laser Cutting Machine	As per requirement
56.	Various Gas Cylinder with Gas	As per requirement
57.	High Pressure reactor	As per requirement
58.	Polishing Machine	As per requirement
59.	PTEF Liner	As per requirement
60.	Various Pumps	As per requirement
61.	Corrosion testing Machine	As per requirement
62.	DC Power Supply Unit	As per requirement
63.	Coin Cell Electrode	As per requirement
64.	Desiccator	As per requirement
65.	Vibratory Cup Mill	As per requirement
66.	Assay Kit	As per requirement
67.	Central gas Distribution System	As per requirement
68.	Lab Roll Crusher	As per requirement
69.	Slurry Coating Machine	As per requirement
70.	Leas Silver Sheet	As per requirement
71.	Rectifier Unit	As per requirement
72.	Various size Graphite Crucible	As per requirement
73.	PKI Green Injection	As per requirement
74.	Electrochemical Device	As per requirement
75.	Probe Sonicator	As per requirement
76.	Crimping Machine	As per requirement
77.	Magnetic Stirrer	As per requirement

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78.	Lithium Air Battery	As per requirement
79.	Various size Batteries	As per requirement
80.	Electrolyzer test Kit	As per requirement
81.	Glassy Carbon	As per requirement
82.	Animal cell culture media	As per requirement
83.	Dip Coating system	As per requirement
84.	Agate Mortar	As per requirement
85.	Automated Coating system	As per requirement
86.	Plasma cleaner	As per requirement
87.	Rotary Evaporator	As per requirement
88.	Enamel Try	As per requirement
89.	Automated Compression Testing Machine	As per requirement
90.	Various Hot Plates	As per requirement
91.	Analytical Balance	As per requirement
92.	Various Size Ball Mill	As per requirement
93.	Glass Jacketed Reactor	As per requirement
94.	Various size Vacuum Pump	As per requirement
95.	Electrochemical Machine	As per requirement
96.	Acrylic Sheet	As per requirement
97.	Crimping Machine	As per requirement
98.	Graphite Rod	As per requirement
99.	Desktop Computers/Printers/ Scanners/ Photocopier Machine etc.	As per requirement

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