

CSIR-Central Institute of Mining and Fuel Research**Procurement Plan**

A	FOR THE FINANCIAL YEAR 2024-25
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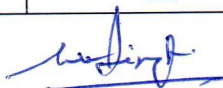
A (a)	Equipment
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(i)	Equipment: Out of CSIR Infra Grant (P-50)
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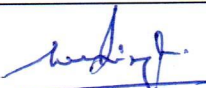
Sr. No.	Name category of equipment/ Vehicle Item	Quantity (Nos.)	Approximate Cost (Rs.)
1.	AC and stabilizer	1	57,000
2.	Workstation	1	3,50,000
3.	Desktop Computer i7	1	80,000
4.	Printer (MFM)	1	1,35,000
5.	Biometric Access Control System	1	32,000
6.	Desktop Workstation PC with UPS	1	3,12,700
7.	Laptop Computer	1	1,41,000
8.	Server	1	4,60,000
9.	Multifunction Machine	1	1,28,000
10.	1.5 Ton AC	1	38,647
11.	Biometric Access Control System	2	40,492
12.	01 KVA UPS	1	90,620
13.	Portable Delay Timer	1	4,40,000
14.	Air Conditioner	5	2,00,000
15.	Desktop Computer	1	1,65,000
16.	Tube Furnace with PID Controlled	1	96,000
17.	Ice flaker machine	1	99,404
18.	Chairs and Tables for HRD training Hall at Satkar Guest H.	As per indent	4,04,744
19.	Laptop Computer	1	1,40,000
20.	Water Purification System	1	3,00,000
21.	Lab scale electrocoagulation setup basic	1	98,000
22.	Lab Refrigerator	1	90,000
23.	Refrigerated Chiller	1	98,000
24.	Magnetic Stirrer with Hot Plate	1	99,300
25.	Weighing Balance	1	99,650
26.	Carrying Idler for Belt Conveyer	1	2,35,000
27.	Fabrication of Crossing Point Temperature reactor	1	2,50,000
28.	CSN Furnace for swelling index	1	1,07,200
29.	400 A ATS with Enclosure	1	1,75,563
30.	Laptop Computer	1	90,000
31.	Refrigerator	1	98,235

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32.	Controlled atmosphere Muffle furnace for Bio-coke formation	1	1,00,000
33.	Sharpening Tool	1	3,00,000
34.	Desktop Computer	1	90,000
35.	Air Conditioner	2	1,00,000
36.	Voltage Stabilizer	2	14,000
37.	Air Conditioner	2	1,00,000
38.	Voltage Stabilizer	2	14,000
39.	Point Load Index Tester	1	2,00,000
40.	Desktop Computer	1	90,000
41.	Rock Cutting Machine	1	2,50,000
42.	Rock Polishing Machine	1	2,00,000
43.	Air Conditioner	3	1,50,000
44.	Voltage Stabilizer	3	21,000
45.	Desktop Computer	1	90,000
46.	Colour Printer	1	1,00,000
47.	Inverter with Battery	1	1,20,000
48.	Fume Hood/Fume Chamber	1	4,50,000
49.	UV-Visible Spectrophotometer	1	5,00,000
50.	Magnetic Stirrers with Heating Multiple position	1	90,000
51.	Dehumidifier System	1	2,50,000
52.	Air Conditioner	6	2,40,000
53.	Deep Freezer (-20 degree C)	1	33,000
54.	Refrigerator (4 degree C) 300 litre	1	37,500
55.	Lab sonicator bath	1	1,00,000
56.	Magnetic Stirrer	2	1,00,000
57.	Electronic balance	1	1,00,000
58.	Hot air oven	1	1,00,000
59.	Muffle furnace	1	1,00,000
60.	Vacuum oven	1	1,00,000
61.	Vacuum Filtration Unit	1	1,00,000
62.	Glass door refrigerators	1	50,000
63.	PPL or Teflon Lined Hydrothermal Autoclave	4	1,00,000
64.	Magnetic Hot Plate Stirrer	1	88,500
65.	Vacuum Oven and Vacuum Pump Oil free	1	1,12,749
66.	Server Computer	1	5,00,000
67.	Desktop Computer	4	3,80,000
68.	Laptop	1	1,50,000
69.	High Back Chair	4	50,000
70.	Photocopier Machine	1	1,20,000
71.	Air Conditioner	4	2,80,000
72.	Borehole Micrometer	1	2,00,000
73.	Rotating Ring Disk Electrode	1	---
74.	Real Time PCR	1	---
75.	Rotary Evaporator	1	---
76.	Triaxial Shear/ compression Test Apparatus	1	---
77.	Oxygen Gas Analyser	1	---
78.	Fluidization Cold/ Hot set up Experimental facility	1	---
79.	Electrochemical Analyzer	1	---
80.	Manual total station	1	---
81.	Workstation	1	---


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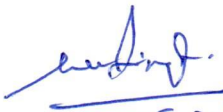
82.	High Sensitivity UV-VIS Spectrophotometer	1	---
83.	Bench Top Ultrapure Water Purification system with remote dispenser, filter and cartridges	1	---
84.	Desktop Computer i7	1	---
85.	Automatic Bomb Calorimeter	1	---
86.	Multi Stage Crushing & Multi Desk Screening Facility	1	---
87.	Test Set up for Wateringress	1	---
88.	Human Vibration Analyser	1	---
89.	Environmental Chamber	1	---
90.	Double beam UV VIS Spectrophotometer	1	---
91.	Muffle Furnace	1	---
92.	Desktop Computer	28	---
93.	Nitridation Reactor	1	---
94.	Contact Angle Optical Tensiometer	1	---
95.	Motorized Total Station	1	---
96.	Flow Reactor and accessories	1	---
97.	Fume Hoods, Gas Unit, Island Table, UPS, HVAC, Electrical and accessories	1	---
98.	High Precision Immersion Cooler	1	---
99.	Benchtop-NMR Spectrophotometer and accessories flow cell	1	---
100.	Portable handheld sound level meter	1	---
101.	Noise dosimeter and calibrator	1	---
102.	High Temperature Furnace up to 3000°C	1	---
103.	Furnitures for Bilaspur Research Centre	As per indent	---
104.	ICP-OES	1	---
105.	Automated Flash and Prep Chromatography system UV-Vis	1	---
106.	Stirrer with Hot Plate and Accessories	1	---
107.	Sorption Induced Strain Measurement System with Access	1	---
108.	Wire Rope Tester	1	---
109.	250kg capacity Rotary Furnace	1	---
110.	FLAC3D Version (9.0) web license	1	---
111.	Standard License with Dynamic option	1	---
112.	Portable Delay Timer	1	---
113.	Software & Camera Upgrade Axio Vision Platform	1	---
114.	High temperature furnace up to 3000°C	1	---
115.	Hand Arm Vibration & Whole Vibration Analyzer	1	---
116.	Differential Scanning Calorimeter (DSC) with Accessories	1	---
117.	Time Domain Electromagnetic	1	---
118.	Particle flow code	1	---
119.	Multi Gas Analyzer	1	---
120.	Primary Current Injection Kit for Heat Run	1	---
121.	Thermal Imager	1	---
122.	Fork Lift	1	---
123.	ICP-OES	1	---
124.	Jaw Crusher	1	---


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125.	ICP-MS	1	---
126.	Fluorescent Microscope	1	---
127.	Multi Mode Reader	1	---
128.	Stirrer with Hot Plate and Accessories	1	---
129.	ICP-OES	1	---
130.	Two Stage Moving Bed Gasifier	1	---
131.	Universal Rheometer System	1	---
132.	Surface area Analyzer (BET)	1	---
133.	Life-time integrated fluorescence	1	---
134.	TPR/ TPD/ TPO	1	---
135.	Synthetic Chemistry Work Station with Particle size analyzer and accessories	1	---
136.	Split Air Conditioner	12	---
137.	Electrochemical workstation with RRDE	1	---
138.	Young modulus and poison ratio measurement setup	1	---
139.	Benchtop Fume Hood	2	---
140.	Ultra Pure Water Purification System	1	---
141.	iCAP Generator	1	---
142.	Direct Mercury Analyzer	1	---
143.	Digital Ultrasonic Flaw Detector	1	---
144.	Solar Simulator	1	---
145.	Laboratory Centrifuge	1	---
146.	1700 C Single zone non split Tube furnace	1	---
147.	Double Beam Spectrophotometer	1	---
148.	High Vacuum Gas Sorption Analyzer	1	---
149.	Raman Spectrometer	1	---
150.	Simultaneous DSC-TGA	1	---
151.	Automatic Coating Machine	1	---
152.	MBR Automated Membrane Reactor	1	---
153.	Flash Joule Heating System	1	---
154.	Laptop	1	---
155.	Multifunction Machine	1	---
156.	Reflectance measurement system	1	---
157.	COMET 3 Reservoir Simulation Software	1	---
158.	Automatic Petrographic sample preparation and polishing system along with accessories	1	---
159.	Slim Borehole Scanner	1	---
160.	Rock Bolt Pull Test Instrument	1	---

Note:

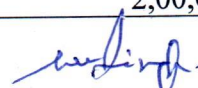
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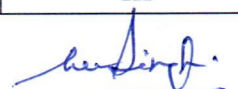
B	FOR NEXT 2-4 FINANCIAL YEARS (2025-29) (From 01/04/2025 to 31/03/2029)
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B (a)	EQUIPMENT
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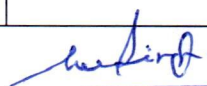
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92.	Desktop Computer	28	---
93.	Nitridation Reactor	1	---
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95.	Motorized Total Station	1	---
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149.	Raman Spectrometer	1	---
150.	Simultaneous DSC-TGA	1	---
151.	Automatic Coating Machine	1	---
152.	MBR Automated Membrane Reactor	1	---
153.	Flash Joule Heating System	1	---
154.	Laptop	1	---
155.	Multifunction Machine	1	---
156.	Reflectance measurement system	1	---
157.	COMET 3 Reservoir Simulation Software	1	---
158.	Automatic Petrographic sample preparation and polishing system along with accessories	1	---
159.	Slim Borehole Scanner	1	---
160.	Rock Bolt Pull Test Instrument	1	---

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