

"The Director, CSIR-CIMFR has been pleased to approve the equipment as enlisted below under four categories which are expected to be procured during the Financial Year 2023-24 under Annual Procurement Plan from the Government Grant.:

**Items under Priority List:P1**

<b>S. No.</b>	<b>Name of Equipment</b>
1	Public Place Seating Chair
2	Submercible Pump Set
3	250 kg Rotary Furnace
4	High Precision Immersion Cooler
5	Touch Screen Automatic Film Applicator with Glass and Vacuum Bed
6	Thermal Imaging Camera
7	Refrigrator
8	Flame Photometer
9	Vibration meter
10	Charge Amplifier
11	Desktop Computer
12	Printer
13	Laptop
14	UPS
15	Desktop Computer (Total 6 indent 05 for Accounts and 05 for PME)
16	RO water Purification System
17	Android Based Biometric Attendance System
18	Dust Sampler kit.
19	Noise Dosimeter (9 with 2 calibrators)
20	Noise level meter (5 nos.)
21	Whole body vibration with hand-held vibration measuring equipment (2 nos.)
22	Multigas and single gas detectors (3 nos.)

23	Chairs
24	Multigas Analyzer for Post Detonation Fumes (CO, CO2, CH4 & NOx) - 2 Nos.
25	Portable Multigas Detector - 2 Nos
26	Digital VOD Meter and Delay Timer
27	Digital Humidity Measuring Instrument - 2 Nos.
28	Air compressor with dryer
29	Borehole Micrometer
30	30T Short Encapsulation Anchorage testing machine
31	LISCAD Survey Civil Pro Premium Software

### Items under Priority List:P2

S. No.	Name of Equipment
1	Rotary Evaporator
2	Portable PH meter
3	Magnetic Separator
4	Stereoscopic Camera Microscope
5	Environmental Chamber
6	Ingress Protection (I.P.) Test setup
7	Current Injection Transformer
8	Oxygen gas analyzer
9	Fork lift
10	Air Conditioner (5 nos.)
11	Noise mapping software
12	Artificial Breathing simulator
13	Determination of flushover voltage of electronic detonators
14	Determination of capacitance, insulation resistance and insulation breakdown of lead-wires
15	Total Station (Manual/Non-Motorised, 1 no. ) including Traverse kit (6 nos.)
16	Triaxial Compression Test Apparatus (Motorised, Digital/Electronic)

### Items under Priority List:P3

S. No.	Name of Equipment
1	Sieve Shaker
2	Weighing Balance (3 nos.)
3	Wooden Furniture
4	Lawn Mover Machine
5	Rotary Evaporator with digital automatic vacuum pump and chiller
6	Stirrer with Hot Plate and Accessories
7	Diffuse Reflectance Accessories
8	Photo Catalytic Reactor
9	Split AC 12 nos.
10	Hot air oven
11	Kjeldahl Distillation Unit
12	Thermal Imaging Camera
13	Thermal Imaging Camera
14	Jaw Crusher
15	Pelletizer Machine (Pelleting Machine)
16	Differential Scanning Calorimeter (DSC) instrument
17	High Speed Video Camera
18	Thermal Stability Test Equipment for explosives electronic detonator, Nonel, Cord relay etc.
19	Impact Test Equipment for electronic detonator, Nonel, Cord relay etc
20	Resistance to lead wires to abrasion Test equipment
21	Resistance of lead Wires to Cutting Damage Equipment
22	Resistance of lead-wires to cracking in low temperature conditions
23	Mechanical strength of lead wires, connections crimps and closure
24	Resistance of detonators to bending

## Items under Priority List:P4

S. No.	Name of Equipment
1	Benchtop-NMR Spectrophotometer and Accessories flow cell
2	Flow Reactor and Accessories
3	Automated Flash and Prep Chromatography system UV-Vis
4	High Senitivity UV-VIS Spectrophotometer
5	Bench Top Ultrapure Water Purification systgem with remote dispenser
6	Workstation
7	Mass Flow Controller and accessories
8	Rotating Ring Disk Electrode
9	Continuous flow carbon dioxide to carbon monoxide via flow electro photo reactor technology
10	Fume Hoods, Gas Units , Tables, UPSs, HVACs and Electrical Accessories
11	High temperature furnace up to 3000°C.
12	ICP-OES
13	Automatic Bomb Calorimeter
14	Split Air Conditioner
15	Split Air Conditioner
16	Split Air Conditioner for WDXRF Room
17	Fluidization cold/hot setup experimental facility
18	Air Conditioner
19	Universal Rheometer System
20	Personal Dust sampler kit
21	Diesel particulate monitor (2 nos.)
22	Hand Arm Vibration & Whole body Vibration Analyzer and EMG& NCV Machine
23	Hand Arm Vibration & Whole Vibration Analyzer, EMG & NCV
24	Point studio software of Maptech make
25	Split Hopkinson Pressure Bar with Accessories
26	Multi Mode Reader
27	Fluorscent Microscope
28	Real Time PCR
29	Sorption Induced Strain Measurement for Coal/Shale/rocks with accessories
30	ICP-OES
31	Digital Seismographs for measurement of blast induced ground vibration and air overpressure/noise: (1) No. of seismographs with trial axial geophone and microphone (2) Triaxial high frequency sensors with frequency range up to 1000 Hz and PPV 2540 mm/s - 02 Nos. (3) High Frequency Bore hole geophone with sensor diameter with 65 mm and cable length up to 30 m

## Items under Priority List:P4

S. No.	Name of Equipment
32	Slim borehole scanner
33	Bomb Calorimeter(s) 4 no.
34	Thermo Gravimetric (Proximate) Analyzers (dual furnace) 4 nos.
35	Total Station (Motorised,1 no.) including Traverse Kit (6 nos.)
36	Double beam UV VIS Spectrophotometer
37	Triple/Multi Quadropole ICP-MS
38	Wire Rope Tester
39	Automatic Transfer Switch

Disclaimer: - “However such publication of the Annual Procurement Plan does not carry any obligation on CSIR-CIMFR to compulsorily issue the bidding document for any or all equipment as listed and it also does not confer any right any on any prospective bidder”.