

**[CSIR-CMERI, Durgapur]**  
**Procurement Plan**  
**[Financial Year 2025-26]**

**[A] Equipment:**

**Table 1: Equipment for procurement during the FY 2025-26 and subsequent 3 – 5 years (under Non-project mode; out of CSIR Grant / Lab Grant):**

<b>Financial Year 2025-2026</b>			
<b>Sl. No.</b>	<b>Name of Equipment / Item</b>	<b>Quantity</b>	<b>Approximate Cost (Rs. in Lakhs)</b>
1.	High Voltage E-Motor and Controller Test Bed for EV power train	1 No	1000.00
2.	Infrared camera for thermal mapping from distance	1 No	20.00
3.	Investment casting unit for aerospace component development	1 No	500.00
4.	Vacuum Induction Melting and Casting Systems (Aluminium and Ferrous, one each)	1 Lot	1000.00
5.	Supply and Installation of Clean Room Class 10000 (ISO-7) Facility for 200 to 250 square feet area	1 No	25.00
6.	Upgradation of existing FESEM (SIGMA HD) with texture feature facility along with vacuum level enhancement	1 No	320.00
7.	Supply and installation of Drop shape analysis system	1 No	42.00
8.	Laser Interferometer measurement system along with compensation unit & calibration certificate from NMI	1 No	65.00
9.	Cold Metal Transfer System	1 No	42.00
10.	Supply and Installation of 80 kW Atmospheric Plasma Spray System	1 No	230.00
11.	Selective laser melting based powder bed fusion machine	1 No	240.00
12.	Gantry type CNC filament winding machine	1 No	60.00
13.	Video Extensometer	1 No	30.00
14.	100 kN High-Temperature Thermo-Mechanical Fatigue System with supporting accessories	1 No	275.00

15.	Gauge Block Comparator with Calibration certificate from NMI or NABL accredited LAB	1 No	40.00
16.	2x100 kW (or higher) Modular, Live/Hot Swappable Parallel Redundant UPS System at 8 different locations	1 No	400.00
17.	Gas Booster Unit (Nitrogen)	1 No	25.00
18.	Burst Pressure Test Unit (Hydraulic/Water)	1 No	20.00
19.	Automatic Proximate Analyzer	1 No	35.00
20.	CHNS Analyzer	1 No	50.00
21.	Thermal conductivity meter for liquids	1 No	15.00
22.	Benchtop lab scale parallel twin screw extruder with micro-injection molding, filament spooler, and LASER-based diameter monitoring system	1 No	190.00
23.	Fourier Transform Infra-Red (FTIR) Spectrometer	1 No	45.00
24.	Supply of Control Console Container Size 20 ft X 8 ft X 8.5 ft for testing of underwater robotic systems with associated accessories and tools	1 No	24.00
25.	Coriolis Mass Flow Meter with Controller and Test Control Panel	1 No	18.00
26.	Thermal Calibration and Testing Equipment	1 No	20.00
27.	Planetary Ball Mill	1 No	20.00
28.	Upgradation of existing Sigma Zeiss FESEM with correlative microscopy	1 No	50.00
29.	Four license servers and one GPU-based computational platform for CFD/FEA simulations using ANSYS software.	1 Lot	45.00

Note:

1. Equipment costing less than INR 10 lakh is not included in the list.
2. The names of the equipment and the approximate costs are tentative and subject to change as per the recommendations of TSC/PC.

**[CSIR-CMERI, Durgapur]****Procurement Plan****[Financial Year 2025-26]****[B] Consumables:**

The following categories of consumables are likely to be procured during the FY 2025-26.

**Table 3:** Consumables likely to be procured during **Financial Year 2025-26** (Annual):

Sl. No.	Category	Expected Procurement Value (Rs. In Lakhs)
1	Chemicals (ex.- Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.)	300.00
2	Other Consumables (ex- Insecticide, Raw Materials, Packing Material, Column, Syringes, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.)	500.00
3	Glass wares (ex- name the different glass wares)	80.00
4	Plastic wares (ex- Name the different plastic wares)	50.00
5	Cartridges, Batteries, etc.	40.00
6	Gases (ex- tentative names)	40.00
7	Maintenance/AMC/repairing of existing equipment	200.00
8	Stationary items (ex- name a few)	20.00
9	IT / software-related Items (Name the items required during year)	150.00
10	Furniture (Name the items required during year)	30.00
11	Electric Items (Name the items required during year)	20.00

**Note:**

- ☐ The above procurement plan is dynamic and could be revised as often as may be necessary with the approval of competent authority.
- ☐ The procurement of the chemicals & consumables would be based on the need and time to time requirement of the R&D activities of CSIR.....
- ☐ The procurement is subject to the funds availability/release of sufficient grant from CSIR / or funding agency.
- ☐ The indicated procurement value is an estimate only.

This is issued with the approval of the competent authority.