

CSIR-Central Glass & Ceramic Research Institute

Name of the Division: **BCCD**

Consolidated Procurement Plan Format for the FY 2024-2025

(Out of the Externally Funded Projects and CSIR Funded projects, i.e., other than P50 and P07)

(A) Procurement Plan out of Externally Funded Projects (i.e. GAP, SSP, TSP, CLP, etc.)

Sl. No.	Name of the Equipment/items	Project No.	Cost (Tentative, in Rs.)
1.	ANSYS Academic Mechanical + CFD , Single user Perpetual license with 1 year AMC Research License	SSP0432	10,00,000.00
2.	Digimat simulation software for extrusion based AM		40,000,00.00
3.	Table top high temperature lift bottom furnace with chamber volume of 2 litres or more	GAP0271+P-50	13,000,00.00
4.	Precise low-temperature controllable Muffle furnace (up to 1000 degreeC)		15,000,00.00
5.	Planetary Ball Mill	-----	8,000,00.00

(B) Procurement Plan out of CSIR Funded and In-house Projects (i.e. HCP, NCP, MLP, FBR, FTT, MMP, OLP, etc.)

Sl. No.	Name of the Equipment/items	Project No.	Cost (Tentative, in Rs.)
1.	Ultra low temperature freeze dryer	FTT070509	9,30,000.00
2.	Ultra low temperature freezer, (Temp range: -40oC to -86oC)	FTT070509	5,00,000.00
3.	Large size medical refrigerators (Temp range: 2oC to 8oC)	FTT070509	4,00,000.00
4.	Programmable Laboratory Muffle Furnace (1400C)	FTT070509	3,70,000.00
5.	Upgradation of existing electrospinning system	FTT070508	5,00,000.00
6.	Automated Cell Counter	FTT070508	4,00,000.00
7.	Micro Centrifuge	FTT070508	3,40,000.00
8.	Batch type atmosphere controlled Pyrolysis Furnace upto 1000 °C	HCP54 (WP25)	9,90,000.00
9.	High power UV LED type Digital Light Processing (DLP) or SLA based 3D printer for ceramic printing -Specification: (1) The 3D printer should be compatible with third party photocurable polymer resins with and without ceramic/glass powder loading; (2) Light source: High-resolution DLP projector with LED light at 385 nm or 405 nm or 450-460 nm wavelength or laser for SLA; (3) Build dimensions (XYZ): Minimum 50 mm X 30 mm X 120 mm; (3	P-50	4,00,000,00.00
10.	Compax drivers for LENS Optomec (AM system)	P-50/P-07	25,00,000.00
11.	Upgradation of MESCO Ball and Cup Polishing Machine comprising of holding unit, drive spindle and bearings with VFD, oscillating head with new motor, gear box, VFD and pressure/force control system (with load cells)	P-50	11,00,000.00
12.	Accessory for existing freeze dryer; Round shape dryer with shelf for drying of petridishes & test tubes in racks with suitable and compatible oil vacuum pump and adapters	P-50	7,00,000.00
13.	Consolidated indent of plasma spray accessories (powders hoppers – 2 nos. & spray gun) and acoustic spray booth	P-50	35,00,000.00
14.	Bench Top Ultrapure Water Purification system (Type 1) directly from tap water for laboratory R&D purpose	P-50	15,00,000.00
15.	Up-gradation of existing cold isostatic press (CIP)	P-50	20,00,000.00
16.	Molybdenum Disilicide (MoSi2) heating elements for furnace	P-07	6,20,000.00
17.	10 mm agate balls for planetary milling	P-07	3,90,000.00
18.	SiC heating elements for furnace	P-07	4,50,000.00
19.	Conversion kit display for PM 100 milling machine	P-07	1,50,000.00
20.	4MP335 Powder Feed Hose Assy 15'; 4MP194 Powder Feed Hose - Orange 9 ft	P-07	1,10,000.00
21.	Laser purging and melting setup	P-50	40,00,000.00