CSIR- Central Glass & Ceramic Research Institute
Name of the Division: RTCD
Procurement Plan
[Financial Year 2026-27]

[A] Equipment:

Table 1: Equipment for procurement during the FY 2026-27 and subsequent 3 – 5 years (under **Non-project mode**; out of **CSIR Grant / Lab Grant**):

Financial Year 2026-27			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost (Rs. in Lakhs)**
01	Particle Size Analyser	01	15
02	Infrared Moisture Analyser	01	4
03	High energy mill	01	10

Next 3-5 Years			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost (Rs. in Lakhs)**
01	Thermal Cycling Furnace	1	14
02	High-Temperature Viscometer	1	16
03	Weighing balance	1	2.0
04	Vacuum oven	1	2.6
05	Data logger system	1	2.0
06	Laboratory mixer	1	1.5
07	Hot plate	1	1.0
08	stirrer	1	0.5
09	Magnetic stirrer	1	0.5
10	Ultrasonicator/ultrasonic bath	2	0.8
11	Air compressor	1	2.0

Table 2: Equipment for procurement during the FY 2026-27 and Next 3-5 years under **CSIR-Funded Projects (CSIR Project Mode)**:

Financial Year 2026-27				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost (Rs. in Lakhs)**	**Project Number/Code**
01	Portable compressor for glaze application	1	1.5	HCP2502
02	Laptop for onsite training	1	1.0	HCP2502
03	Ultrasonicator/ultrasonic bath	2	0.8	MMP035201
04	Water bath (100 C)	1	2.0	HCP2502
05	Vernier callipers 150mm, 300mm	2	0.75	MMP035201
06	High-capacity stirrer for slip preparation	1	2.0	HCP2502
07	Weighing balance	1	2.0	HCP2502

Table 3: Equipment for procurement during the FY 2026-27 and Next 3-5 years under **Externally Funded Projects (EFP)**:

S. No.	Name of Equipment / Item	Quantity (Nos.)	Approximate Cost (Rs. in Lakhs)	Project Number
01	Optical pyrometer 2000°C	1	2	GAP0415
02	A glaze spray booth equipped with a compressor, movable bench, proper exhaust system for fine particles, glaze recycling etc	1	4.99	GAP0415
03	Furnace cavity for thermal emissivity measurement 1600°C	1	8.0	GAP0415
04	Type B thermocouple with data acquisition device	1	1.0	GAP0415
05	Controlled atmosphere tube furnace, H_2, Ar purging (1600°C)	1	30.00	GAP0414
06	High temperature furnace (1800°C)	1	15	IREL (Project sanctioned)

CSIR- Central Glass & Ceramic Research Institute

Name of the Division: RTCD

Procurement Plan

[Financial Year 2026-27]

[B] Consumables:

The following categories of consumables are likely to be procured during the FY 2026-27

Table 3: Consumables likely to be procured during **Financial Year 2026-27 (Annual):**

S. No.	Category	Expected Procurement Value (Rs. In Lakhs)
1	Chemicals (Aluminium, Zinc, Magnesium, Zirconium based Nitrate or Sulphate Salts, Aluminium Isopropoxide, Titanium Isopropoxide, Hafnium oxide, Zirconium oxide, Colloidal silica, White and Fused alumina aggregates, Sintered and Fused Magnesia Aggregates etc.)	08
2	Other Consumables (Syringe filters, carbon-coated TEM grids, Filter papers, Alumina crucibles, Alumina base plates, Graphite moulds etc.)	04
3	Beaker, Conical flask, Round bottom flask, Glass rod,	02
4	Plastic grid box, plastic bottles, tissue rolls	0.5
5	Cartridges for printers	0.5
6	Argon, Nitrogen, Oxygen, Hydrogen gas	1.0
8	Maintenance/AMC/repairing of existing equipment	5.0
9	Stationary items (Marker, Sticky notes, Binder clips, stapler, Scissors)	0.5
10	Anti-virus Software	01
11	Furniture for laboratory	01
12	Heating elements, PID Controller, Thermocouple	05
13	Re-fabrication cost for platinum crucible (~200 gms)	1.48
14	Heating element for high high-temperature furnace	5.0
15	Chemicals for GAP0415 (AlN, Si3N4, TiN, ZrB2, TaSi2, Boron amorphous, Si metal, Lithium salts, Borax)	11.0
16	Windows 11 operating system	1.0

17	Graphing, plotting and data analysis software- 10 licences	5.0
18	Alumina aggregates of different sizes (3-1, 1-0.5, 05-0.3, 0-0.3 mm)	3.0
19	Colloidal silica	0.5
20	Kerosene, Ammonia, Alcohol	1.0
21	Alumina, Zirconia, Hardened steel grinding/milling media	3.0
22	Alumina, Zirconia, hardened steel jars for planetary milling	8.0
23	Magnesium aluminate spinel aggregates	1.5
24	Zinc oxide, Magnesium oxide, Manganese Oxide, Manganese Dioxide, Aluminium nitrate Nonahydrate, Zinc nitrate hexahydrate, Manganese nitrate hexahydrate, etc	1.5
25	Silicon carbide different fractions	1.0
26	Graphite, Nano-carbon, Resin	1.5
27	Spanners, Pliers, Spirit level, Hammer and other tools	0.5
28	Sieves	0.5
29	Alumina, Quartz tube for inert (tube) furnace	3.0
30	Bar, Cylindrical pressing and casting moulds	3.0
31	High alumina cement	0.75
32	Nitrile gloves, Disposable and N95 Mask, Shower caps, Water proof apron, Asbestos gloves, Emery papers, Stopcock, Petri dish, magnetic bars, Wash bottles, etc	1.5
33	Polishing solutions, Polishing disc	3.0
34	Cutting blade different sizes	2.0
35	Security camera, Wifi router, Pendrive, SSD, memory card, battery, etc	1.0
36	Moulds for pressing/ fabrication of shapes	2.0

CSIR- Central Glass & Ceramic Research Institute

Name of the Division: Khurja Centre

Procurement Plan

[Financial Year 2026-27]

[A] Equipment:

Table 1: Equipment for procurement during the FY 2026-27 and subsequent 3 – 5 years (under **Non-project mode**; out of **CSIR Grant / Lab Grant**):

Financial Year 2026-2027			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)
1	Digital cold compressive strength cum modulus of rupture machine	01	50.00
2	X-ray Diffractometer	01	100.00
3	X-Ray Fluoresence Spectrometer	01	100.00
4	Computer Numerical Control (CNC) machining	01	80.00
5	Scanning Electron Microscopy (SEM) with EDS	01	120.00
6	Laser Diffraction Particle Size Analyser	01	80.00
7	Simultaneous Thermogravimetric (TGA) and Differential Thermal Analysis (DTA)	01	75.00
8	Physical Vapour Deposition Unit	01	90.00
9	High Temperature furnace (1700°C)	01	15.00
10	AC split 2 ton	04	1.80
11	Double distilled water plant with RO unit	01	1.50
12	Hot plate, water bath	01 each	1.0

Next 3-5 Years			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)
1	Lab Scale press (40 ton)	01	25.00
2	Rheometer	01	95.00
3	Furnace (2ft*1.5ft*2Ft.)	01	20.00

Table 2: Equipment for procurement during the FY 2026-27 and Next 3-5 years under **CSIR-Funded Projects (CSIR Project Mode)**:

Financial Year 2026-2027				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1	Electric chak	04	1.25	HCP-002502
2	Few small equipments (Vernier caliper/computer/printer)	01	4.00	HCP-002502
3	Laboratory Extruder	01	4.00	HCP-002502 (WP-4)

Next 3-5 Years				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				
2				

Table 3: Equipment for procurement during the FY 2026-27 and Next 3-5 years under **Externally Funded Projects (EFP)**:

Financial Year 2026-2027				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				
2				

Next 3-5 Years				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				
2.				

CSIR- Central Glass & Ceramic Research Institute

Name of the Division: Khurja Centre

Procurement Plan

[Financial Year 2026-27]

[B] Consumables:

The following categories of consumables are likely to be procured during the FY 2026-27.

Table 3: Consumables likely to be procured during **Financial Year 2027-27** (Annual):

S. No.	Category	Expected Procurement Value (Rs. In Lakhs)
1	Chemicals (ex.-Acids, ammonia, filter papers, EDTA and other chemicals requires for chemical analysis of sample)	1.0
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.)	1.0
3	Glass wares (ex- name the different glass wares)	0.50
4	Plastic wares (ex- Name the different plastic wares)	0.20
5	Cartridges, Batteries, etc.	0.30
6	Gases (ex- tentative names)	0.00
8	Maintenance/AMC/repairing of existing equipment	1.0
9	Stationary items (files, pads, pens etc.)	0.50
10	IT / software-related Items (Name the items required during year)	0.20
11	Furniture (Name the items required during year)	0.00
13	Electric Items (Name the items required during year)	0.50

Details of procurement of Consumables				
S. No.	**Consumables/ Items**	**Category** *(As above 13 categories)*	**Expected Procurement Value** (Rs. In Lakhs)	**Project / Fund**
1				
2				

CSIR- Central Glass & Ceramic Research Institute

Name of the Division: 4M Division

Procurement Plan

[Financial Year 2026-27]

[A] Equipment:

Table 1: Equipment for procurement during the FY 2026-27 and subsequent 3 – 5 years (under **Non-project mode**; out of **CSIR Grant / Lab Grant**):

Financial Year 2026-2027			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)
1.	Scratch Tester	1	25.00
2.	Electrochemical Workstation coupled 10A current booster and EIS	1	41.00
3.	Ultrasonic Probe System for Mechanical Property evaluation	1	15.00
4.	Multifunctional Colour Laser Printer	1	1.20
5.	Valved Cracker Cell with accessories (Add-on to existing thermal deposition chamber)	1 set up	56.00
6.	FastHall Station with accessories	1 set up	90.00
7.	**High Resolution X-Ray Diffractometer** (Specifications: High Resolution XRD for powder and Thin Film analysis using Bragg-Brentano and parallel Beam geometry)	01	170
8.	Ion Selective Electrode (ISE/pH) Bench top Multiparameter	01	13.0
9.	Fume Hood with Scrubber	01	7.0
10.	Direct Mercury Analyser	01	7.0

Next 3-5 Years			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)
1.	LASX - Microscope Image analysis	1	28.00
2.	Micro-pore Analyzer with Turbo-molecular pumping System and Vacuum Degasser	1	55.00
3.	Tribo-Indentor coupled with profilometer for evaluation of nano-mechanical properties	1	130.00
4.	Bulk /Powder conductivity measurement set-up	1	7.50

Table 2: Equipment for procurement during the FY 2026-27 and Next 3-5 years under **CSIR-Funded Projects (CSIR Project Mode)**:

Financial Year 2026-2027				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1.				
2.				

Next 3-5 Years				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1.	Bulk /Powder conductivity measurement set-up	1	7.50	
2.				

Table 3: Equipment for procurement during the FY 2026-27 and Next 3-5 years under **Externally Funded Projects (EFP)**:

Financial Year 2026-2027				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1.				

Next 3-5 Years				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1.				
2.				

[CSIR-CGCRI Naroda Centre, Ahmedabad]

Procurement Plan

[Financial Year 2026-27]

[A] Equipment:

Table 1: Equipment for procurement during the **FY 2026-27** and subsequent 3 – 5 years (under **Non-project mode**; out of **CSIR Grant / Lab Grant**):

Financial Year 2026-2027			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost (Rs. in Lakhs)**
1.	Particle Size Analyzer (particle in the size range from 10 nm to 2,100 µm or better in wet mode), along with instrument software and Indian accessories such as PC, Printer, Standards for calibration	01	65
2.	Roller hearth furnace, length 21 feet, working temperature 1250, max temp 1300, useful volume - 250 (w) X 50 (H) X 2000 (L) mm.	01	20
3.	CCS machine of 5000 Tons capacity, with computer and necessary software	01	18
4.	Split type AC (2.0 tons) with standard installation	21	14.70
5.	Split type AC (1.5 tons) 5 star inverter type with standard installation	03	2.60
6.	Cassette type AC (3.0 tons) with standard installation	10	12.0
7.	CCTV System with 27 Cameras and other accessories	01	07
8.	Desktop Computer System (Intel Core i7 14th Generation or above, Windows 11 Home/Professional Pre-loaded, Ram:32 GB or better, SSD:1024 GB or better), TFT/ LED/OLED Monitor, Keyboard, wireless mouse speakers and HD inbuilt camera and all necessary accessories.	03	3.6

9.	Laptop (Intel core i7/ 16GB RAM SSD capacity – 1024 GB Display Size- 15.6 Integrated graphics Operating system- windows 11 professional Microsoft office 3Battery life – Greater than 8 h Wi-Fi and Blue tooth connectivity, HDMI, USB)	1.0	1.20
10.	Multifunction printer(Print, copy, scan type)	03	1.05
11.	Multifunction Scanner cum Printer All-in-One Monochrome Laser Photo Copier Machine Printer with Network, Auto Duplex & ADF (A3)	01	0.80
12.	UPS for 4 Nos. of PC's of CGCRI, Naroda Centre	04	0.20
13.	Web Camera (1080 HD)	11	0.275
14.	Eye Wash for chemical lab	01	0.20
15.	RO Purifier Water Cooler	02	1.50
16.	Beverages dispenser thermo steel 4500 ml.	03	0.21
17.	Office Sitting Chair, Executive revolving type	01	0.20
18.	Office Sitting Chair, Executive revolving type	01	0.20
19.	Executive table with Chair size; 4 feet x 2 feet	01	0.60
20.	Steel Almirah, size 78 inches x 36 inches x 18 inches	04	1.70
21.	Water Jug (20 ltr.) for training	03	0.05
22.	Microwave Oven (Capacity / Volume 20 Litres)	01	0.20
23.	750-Watt 2-Slice Pop-up Toaster	01	0.05
24.	Earthing resistance tester	01	0.20
25.	6 ft. folding industrial Aluminium ladder	01	0.01
26.	12 feet Aluminium Straight Wall Ladder	01	0.01
27.	Fume Hood (HF Compatible)	01	13.00
28.	Dryer - size 1 mtr x 1 mtr x 2 mtr. (inner useful space), temperature max - 250 deg C, stainless steel construction, heavy duty suitable for heating tiles. Including six numbers of SS trays	01	3.0

Next 3-5 Years			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost (Rs. in Lakhs)**
1.	XRF with melting furnace facility and accessories	1	300
2.	Heating Microscope	1	65
3.	Solar Panel of 50 KW with sprinkler system, instalment and other accessories	01	40
4.	PL Spectrometer (200 nm - 870 nm)	01	110
5.	MUFFLE CUM TUBE FURNACE with working temperature 1600 °C and size approx. 200 mmX200 mm X 200 mm with MFC and accessories	01	11
6.	Ultrasonic Bath/cleaner with heater and timer	01	01

Table 2: Equipment for procurement during the **FY 2026-27** and Next 3-5 years under **CSIR-Funded Projects (CSIR Project Mode)**:

Financial Year 2026-2027				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost (Rs. in Lakhs)**	**Project Number/Code**
1.	Electronic weighing balances of different capacities	1	0.30	HCP002502-WP-05
2.	Induction stove with utensils	2	0.30	HCP002502-WP-05
3.	RO water system 100 ltr capacity for drinking water	1	0.50	HCP002502-WP-05
4.	Water cooler capacity 100 ltr for drinking water	1	0.50	HCP002502-WP-05
5.	Hydraulic press for terracotta items (bowls and tumbler type items)	1	2.0	HCP002502-WP-05

Next 3-5 Years				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost (Rs. in Lakhs)**	**Project Number/Code**
1.	Colour sorter with S.S chute	1	8.0	MLP002609
2.	Air Compressor, 7.5 HP (screw type)	1	2.0	MLP002609

3.	Triple Roller Rare Earth Dry Magnetic separator (Full Body S.S) Capacity- Min.500 Kg/hour	1	6.0	MLP002609
4.	Portable Wet Magnetic separator using rare earth magnet for slurries Min. 100L.	1	3.0	MLP002609
5.	Lab Wet high intensity Electromagnetic separator(option for Variable intensity)-Max. field intensity -20000 Gauss or more – For few grams.	1	11.0	MLP002609
6.	Electromagnetic separator (1.5 Tesla or higher) for purifying Min. 2L slurry samples.	1	20.0	MLP002609
7.	Laboratory furnace Chamber size: - 400mmx400mmx600mm Capacity: - 96L Working Temp:- 1350°C Heating rate > 10°C/min With 3 Layer Ceramic fiber insulation coating	1	25.0	MLP002609

Table 3: Equipment for procurement during the FY 2026-27 and Next 3-5 years under **Externally Funded Projects (EFP)**:

		Externally Funded Projects (EPF) 2026-27		
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost (Rs. in Lakhs)**	**Project Number**
1.	Metal Racks for storing samples and products	8	1.0	GMKRTI- In principle approved.
2.	Hydraulic hand Pallet truck	1	0.60	GMKRTI- In principle approved.
3.	RO water system and water cooler for drinking purpose	1	1.0	GMKRTI- In principle approved.
4.	Assorted Information and product display fixtures, Visitors facilities, facility upkeep and maintenance support items as per requirement of the project,		4.10	GMKRTI- In principle approved.
5.	Furnace 1150℃	1	13.0	GMKRTI- In principle approved.
6.	Dryers	1/2	3.0	GMKRTI- In principle approved.

7.	3 D printer 12 x 12 inch article (suitable for clay based system)	1	4.0	GMKRTI- In principle approved.
8.	Terracotta articles Press (different type) and dies	1/2	10.00	GMKRTI- In principle approved
9.	Granulator machine	1	1.0	GMKRTI- In principle approved
10.	Assorted equipment for information processing and document management as per requirement of the project.		5.80	GMKRTI- In principle approved

Next 3-5 Years				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost (Rs. in Lakhs)**	**Project Number/Code**
1.	Fast Mill (rapid action grinding mill)	1	2.5	GMKRTI- In principle approved.
2.	Stirrer	2	1.0	GMKRTI- In principle approved.

[CSIR-CGCRI Nardoa Centre, Ahmedabad]

Procurement Plan

[Financial Year 2026-27]

[B] Consumables:

The following categories of consumables are likely to be procured during the FY 2026-27.

Table 3: Consumables likely to be procured during **Financial Year 2026-27** (Annual):

S. No.	Category	Expected Procurement Value (Rs. In Lakhs)
1	Chemicals (ex.- white fused Aluminium oxide Grit size:80, ICP standards, Acetone, Hydrochloric acid, Hydrofluoric acid, Hydroxylammonium chloride, Potassium pyrosulphate, EDTA solution N/50, Sodium hydroxide solution 0.1 mol/l, Sodium sulphate anhydrous, Potassium sulphate, Ammonium Ferrous sulphate, Calcium gluconate gel etc.)	2.5
2	Other Consumables (ex- different types of clays, frits, decoration materials, Plaster of Paris, quartz, feldspar, organic binders, Raw Materials for glaze and engobe making, Insecticide, Packing Material, Filter papers, Planting materials, seeds, Chemical standards, Alumina liners for TG-DTA, ntrile gloves, cryogenic gloves, ceramic pigments, paints, colours, brush, dispersants, polymer,	5.00
3	Glass wares (ex- Beakers, volumetric flask, Burette, Pipette, Erlenmeyer flask, measuring cylinder etc)	0.50
4	Plastic wares (ex- HDPE beakers, Plastic boxes, Plastic containers and covers for preserving samples, volumetric flask, gloves, etc.)	0.75
5	Cartridges and drum for printers and Fax machine, Batteries for UPS, etc.	2.0
6	Gases (ex- argon, nitrogen & Mixed Gas, Air (99.99 %) etc)	0.50
8	Maintenance/AMC/repairing of existing equipment (XRD, XRD Chiller, TG-DTA, 2 UPS, UV-VIS spectrophotometer, Roller Kiln, Water Tank Cleaning, ICP-Digester, Calibration of Measuring Equipment)	10.0
9	Stationary items (ex- registers, pins, pens, files, xerox papers, microfibre cloths etc)	0.5
10	IT / software-related Items (Antivirus software, Microsoft Office, External storage devices, SSD external, SSD internal, pen drive, origin software)	3.5

11	Electric Items (Lights, thermocouple, heating element, electric boards, MCB switches, fuses, electric Induction cooktop, Microwave oven, screwdrivers, spanner, SS tongs)	4.5
13	ABC Type, CO_2 type – Procurement &/refilling of old fire extinguishers	2.50

Details of procurement of Consumables				
S. No.	**Consumables/ Items**	**Category** *(As above 13 categories)*	**Expected Procurement Value** (Rs. In Lakhs)	**Project / Fund**
1				
2				
3				
4				

CSIR- Central Glass & Ceramic Research Institute

Name of the Division : 4M Division

Procurement Plan

[Financial Year 2026-27]

[B] Consumables:

The following categories of consumables are likely to be procured during the FY 2026-27.

Table 3: Consumables likely to be procured during **Financial Year 2027-27** (Annual):

S. 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.) a) Chemicals & Solvents for sample preparation & Testing on day-to-day basis (say, Iso-propyl alcohol, Acetone, Dimethyl formamide (DMF), N-Methyl pyrrolidone (NMP), Propylene Carbonate (PC), Nitric acid, Hydrochloric acid, etc., regularly require for undertaking the mechanical testing jobs and Resins with hardeners [for 4MD_Mech: Rs, 6.00 lakhs) b) Chemicals [for 4MD_XPS: Rs. 1.00 lakhs] c) Chemicals [for 4MD_XRD: Rs. 1.00 lakhs] d) Chemicals like Acids (HF, HNO3, HCl etc) [for 4MD_ACS: Rs. 1.00 lakhs	9.00
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.) a) Essential Consumable for testing Mechanical properties for daily testing work (say, Machine grease, Vacuum grease, Vac. Pump oil, Filter paper, tools for samples preparation, Drill bits/ hacksaw blades, Emary papers, etc. and Essential Consumable for implementation of NABL Accreditation [say, **SRM /CRM for Various Mechanical Testing for NABL Accreditation;** Calibration of instruments for compliance with NABL Accreditation for Testing Mech. Properties) [for 4MD_Mech : Rs, 8.50 lakhs) b) Spare parts for XPS (1.Cover for intro-chamber, 2. Controller for Ion Gun, etc.) [for 4MD_XPS: Rs. 17.00 lakhs] c) Essential consumable. like SRM, Conducting carbon tape, Silver epoxy, enclosure tweezer, tissue, gloves etc. [for 4MD_XPS: Rs. 2.00 lakhs] d) Consumable [for 4MD_XRD: Rs. 1.00 lakhs]	28.50
3.	Glass wares (ex- name the different glass wares) a) Glass Beakers of diff capacity, Measuring cylinders, Filtering flasks, Glass desiccators with base plat, etc. [for 4MD_Mech : Rs, 3.50 lakhs) b) Glass wares [for 4MD_XRD: 0.50 lakhs]	5.00

	c) Glass wares like Beaker, Burette, Pipette, Volumetric Flasks [for 4MD_ACS: 1.00 lakhs]	
4.	Plastic wares (ex- Name the different plastic wares) a) Plastic beakers, Bottle, Teflon, Water storage canasta, etc. [for 4MD_Mech : Rs, 1.50 lakhs) b) Plastic wares like Teflon Beaker, Rods, Lids, Plastic Beaker, Reagent Bottle [for 4MD_ACS: 1.00 lakhs]	2.50
5.	**Cartridges, Batteries, etc**. a) Printer cartridges & Toners, UPS Batteries, etc. [for 4MD_Mech: Rs, 2.00 lakhs) b) Printer cartridges [for 4MD_XPS: Rs. 0.60 lakhs] c) Printer cartridges [for 4MD: XRD: Rs. 0.30 lakhs]	2.90
6.	Gases (ex- tentative names) a) UHP N_2 gas, Argon, etc. [for 4MD_Mech : Rs, 0.50 lakhs) b) He, N2, Ar etc. [Rs. 1.00 lakhs for 4MD_XPS] c) Argon Gas [4MD_XRF: 0.30 lakhs] d) Argon Gas Gases [4MD_ACS: 1.00 lakhs]	2.80
7.	Maintenance/AMC/repairing of existing equipment a) AMC for Online UPS (attached with UTM instrument), AMC for ZwickRoell UTM, Repair of existing Tribo-Indenter Instrument and Repair/servicing of other existing instruments [for 4MD_Mech : Rs, 9.50 lakhs) b) Maintenance/AMC/repairing of existing equipment [for 4MD_XPS: Rs. 8.50 lakhs] c) Maintenance/AMC/repairing of existing equipment [for 4MD_XRD: Rs. 12.00 lakhs] d) Repairing of Millipore and ICP-OES (2 Nos) AMC (Non-Comprehensive) [for 4MD_ACS: Rs. 6.80 lakhs]	36.80
8.	Stationary items a) Stationary items [for 4MD_Mech: Rs. 0.25 lakhs	0.25
9.	IT / software-related Items (Name the items required during year)	Nil
10.	Furniture (Name the items required during year)	Nil
11.	Electric Items (Name the items required during year) a) To replace old Window and Split ACs in XRD and XRF Laboratory [for 4MD_XRD: 3.50 lakhs] b) Electric Hot Plate [for 4MD_ACS: 1.50 lakhs]	5.00

Details of procurement of Consumables				
S. No.	**Consumables/ Items**	**Category** *(As above 13 categories)*	**Expected Procurement Value** (Rs. In Lakhs)	**Project / Fund**
1.				
2.				

CSIR- Central Glass & Ceramic Research Institute

Name of the Division: CMCF(4MD)

Procurement Plan

[Financial Year 2026-27]

[A] Equipment:

Table 1: Equipment for procurement during the FY 2026-27 and subsequent 3 – 5 years (under **Non-project mode**; out of **CSIR Grant / Lab Grant**):

Financial Year 2026-2027			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)
1	Table top SEM	1	135.00
2	Heavy duty colour printer	1	0.45
3	Vacuum cleaner cum blower	1	0.15
4	Table top Oven (upto 300°C)	1	1.2
5	UPS 10KVA 1/1 ϕ with 15 min back-up	1	1.6
6	UPS 6KVA 1/1 ϕ with 15 min back-up	3	3.15

Next 3-5 Years			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)
1			
2			
3			
4			

Table 2: Equipment for procurement during the FY 2026-27 and Next 3-5 years under **CSIR-Funded Projects (CSIR Project Mode)**:

Financial Year 2026-2027				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				
2				
3				
4				

Next 3-5 Years				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				
2				
3				
4				

Table 3: Equipment for procurement during the FY 2026-27 and Next 3-5 years under **Externally Funded Projects (EFP)**:

Financial Year 2026-2027				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				
2				
3				
4				

Next 3-5 Years				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				
2.				
3.				
4.				

CSIR- Central Glass & Ceramic Research Institute

Name of the Division : CMCF(4MD)

Procurement Plan

[Financial Year 2026-27]

[B] Consumables:

The following categories of consumables are likely to be procured during the FY 2026-27.

Table 3: Consumables likely to be procured during **Financial Year 2027-27** (Annual):

S. 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.)	1.5
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.)	1.5
3	Glass wares (ex- name the different glass wares)	0.5
4	Plastic wares (ex- Name the different plastic wares)	0.5
5	Cartridges, Batteries, etc.	2.5
6	Gases (ex- tentative names)	1.5
8	Maintenance/AMC/repairing of existing equipment (with spares)	10
9	Stationary items (ex- name a few)	1.0
10	IT / software-related Items (Name the items required during year)	0.25
11	Furniture (Name the items required during year)	
13	Electric Items (Name the items required during year)	

Details of procurement of Consumables				
S. No.	**Consumables/ Items**	**Category** *(As above 13 categories)*	**Expected Procurement Value** (Rs. In Lakhs)	**Project / Fund**
1	Chemicals: Acetone, Isopropanol, Ethanol, Nitric Acid, Hydrochloric acid, Hydrofluoric acid, KBr etc.	1	1.5	STS1624
2	Consumables: Syringes, Needles, PTFE tube, Alumina Crucibles and Pans etc.	2	1.5	STS1624
3	Beaker, petri dish, measuring cylinders. Glass syringe etc	3	0.5	STS1624

4	Desiccator, Jug, tweezers, dropper, pipette tips, duster, MOP etc.	4	0.5	STS1624
5	Cartridges for HP P1007, HP1008, HP 1020PLUS, MFM136W 12V26AH batteries-50 nos	5	2.5	STS1624
6	Nitrogen UHP-04 Nos, Zero Air UHP-01No., Helium UHP, Oxygen UHP, Liquid Nitrogen-Approx 1000lit	6	1.5	STS1624
7	Maintenance and repairing (if needed)STA, DIL, PSA, RHEOMETER, TCA, SAA, MIP, FTIR, C-O-N ANALYZER, spin coater, planetary ball mill, electro spinning machine	8	10	STS1624
8	Tool kit for day to day work comprising adjustable wrench, plier etc., SS Spatula. Tissue paper rolls, lintfree tissue papers, Scotch tape, Teflon tape, Zip pouches of various sizes, Parafilm rolls, butter paper, aluminium foils, blank stickers of various sizes, CD covers, Glue, etc.	9	1.0	STS1624
9	Monitor, CD-ROM, pen drive,	10	0.25	STS1624

CSIR- Central Glass & Ceramic Research Institute

Name of the Division: ACCD

Procurement Plan

[Financial Year 2026-27]

[A] Equipment:

Table 1: Equipment for procurement during the FY 2026-27 and subsequent 3 – 5 years (under **Non-project mode**; out of **CSIR Grant / Lab Grant**):

Financial Year 2026-2027			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)
1	Tube furnace 1700 ^{o}C	1	17
2	Vortex Mixture	1	2
3	Dryer 100 ^{o}C	1	1
4	IR pyrometer	1	7
5	Vacuum pump : Rotary Pump - Roots Pump	1	6
6	Rotating Disc Electrode	1	25
7	Temperature controller (4 loop)	1	3
8			

Next 3-5 Years			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)
1	CNC Turning Machine	1no.	35.00
2	GPS Furnace	1no.	200.00
3	Controlled Atmosphere Vacuum Sintering Furnace 2000^{0}C (Graphite) for various Gases	1no.	220.00
4	Vacuum Sintering Furnace 2300^{0}C	1no.	100.00
5	Rotary Disc Electrode	1no.	25.00
6	Tube Furnace	1no.	10.00
7	Glove Box	1no.	15.00
8	Vortex Shaker	1no.	1.50
9	PE-CVD	1no.	200.00
10	Rapid Thermal Annealing	1no.	200.00
11	Magnetron Sputtering	1no.	110.00
12	Bench Top Solution Blowing System	1no.	20.00
13	Controlled Atmosphere High Temperature UTM	1no.	0.85
14	Cold Isostatic Press	1no.	1000.00
15	Atomic Force Microscopy	1no.	60.00
16	Spectrofluorimeter	1no.	200.00
17	Vacuum Hot Press 50mm dia.	1no.	30.00

Table 2: Equipment for procurement during the FY 2026-27 and Next 3-5 years under **CSIR-Funded Projects (CSIR Project Mode)**:

Financial Year 2026-2027				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				
2				
3				

Next 3-5 Years				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				
2				
3				

Table 3: Equipment for procurement during the FY 2026-27 and Next 3-5 years under **Externally Funded Projects (EFP)**:

Financial Year 2026-2027				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1	Upgradation of Hot press furnace	1	25	GAP0279
2				
3				

Next 3-5 Years				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				
2.				

CSIR- Central Glass & Ceramic Research Institute

Name of the Division : ACCD

Procurement Plan

[Financial Year 2026-27]

[B] Consumables:

The following categories of consumables are likely to be procured during the FY 2026-27.

Table 3: Consumables likely to be procured during **Financial Year 2026-27** (Annual):

S. 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.)	20.00
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.)	50.00
3	Glass wares (ex- name the different glass wares)	10.00
4	Plastic wares (ex- Name the different plastic wares)	5.00
5	Cartridges, Batteries, etc.	3.50
6	Gases (ex- tentative names)	20.00
8	Maintenance/AMC/repairing of existing equipment	30.00
9	Stationary items (ex- name a few)	10.00
10	IT / software-related Items (Name the items required during year)	50.00
11	Furniture (Name the items required during year)	2.00
13	Electric Items (Name the items required during year)	10.00

Details of procurement of Consumables				
S. No.	**Consumables/ Items**	**Category** *(As above 13 categories)*	**Expected Procurement Value** (Rs. In Lakhs)	**Project / Fund**
1	Solvents, acids, gases, ceramic powder, metal powder, graphite mould, target, glassware	1 to 6	50	GAP0279 and GAP0280
2	Alumina powder, plastic ware, cartridges, vacuum gauge	1 to 6	10	GAP0276
3	Solvents, acids, gases, ceramic powder, metal powder, graphite mould, target, glassware	1 to 6	3	OLP0838

Updated on 04/09/2026

CSIR- Central Glass & Ceramic Research Institute

Name of the Division : BMDD

Procurement Plan

[Financial Year 2026-27]

[A] Equipment:

Table 1: Equipment for procurement during the FY 2026-27 and subsequent 3 – 5 years (under **Non-project mode**; out of **CSIR Grant / Lab Grant**):

Financial Year 2026-2027				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost (Rs. in Lakhs)**	Requisition given by
1	4-station high-energy planetary milling machine; 4 grinding stations; To be used for 250/ 500 mL (4 nos.) zirconia pots, Floor model	1	25.00	Dr.Biswanath Kundu
2	FTIR with UATR with: Wavenumber minimum range 4000-400 cm-1; Resolution 0.5 cm-1 or better; 30000:1 or better peak-peak signal-to-noise for 1 min. scan; Wavelength accuracy 0.1 cm-1 or better at 3000 cm-1; Long-life source; Optimum optics, detector, beam splitter, desiccant and software; Diamond UATR accessory for direct sample measurement without KBr pallet making	1	25.00	
3	Replenishment of gamma source of Gamma Chamber (GC-5000 unit)	1	40.00	
4	Automatic sample grinding and polishing unit		22.00	
5	Laptop	1	1.00	
6	Cold Isostatic Press (CIP)	1	250.00	
7	Upgradation of existing Hot Isostatic Press (HIP) including control panel, furnace chamber, software, pressure line and safety features	1	200.00	

8	Extrusion based Bioprinter capable of printing biopolymer and hydrogel	1	20.00	Dr. Mitun Das
9	Repairing or procurement of 1.0 KW Laser system	1	40.00	
10	Desktop PC for student's sitting place at BCCD	05	5.0	
11	Repairing of CNC table associate with additive manufacturing machine	1	50.0	
12	Volumetric 3D Printer. This volumetric printing technique is based on the principle of selective photopolymerization in which intersecting structured light fields to initiate polymerization only at the points where the beams converge within a photopolymerizable material. This volumetric technique improves print speed and resolution by enabling the simultaneous fabrication of an entire structure in a single continuous process.Depending on the complexity of the structure, typical print time can be 20 seconds to 5 min with the volume-built rate up to 0.8cm3/min and can be utilized in bio printing of tissues/organoids using cells, hydrogels and resin.	1	25.00	Dr. Subhadip Bodhak
13.	Require a desktop PC of the latest version (WINDOWS 11 with compatible MS version) urgently as the present PC is outdated (windows 7) and limits day to day official working schedules	1	1.00	Dr. Jui Chakraborty

Next 3-5 Years				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost (Rs. in Lakhs)**	Requisition given by
1	Hip joint simulator with advanced features; 6-station together mimicking body environment, load and physiological condition; actual implant-stem combination; facility of volumetric wear calculation, fatigue, displacement; temperature controller and	1	250.00	Dr. B. Kundu

	soaking liquid level automatic sensor; facility of various loading profile as per ISO (for level walking, staircase movements, running, etc.); Options for suitable fixture for dental implants			
2	6-axis CNC grinding and polishing machine for ceramic hip and knee implants; 6 CNC axis for grinding and polishing of complex shapes; programmable pressure; reproducible and repeatable material removal; Advanced controller with integrated operator panel; Solid continuous one-piece machine; Robust belt drive; Capable to achieve < 30 nm Ra of ceramic hip and knee implants after grinding and polishing.	1	400.00	
3	Selective Laser Sintering (SLS) machine suitable for ceramic processing with following tentative spec; Laser and Scanning: 100 watt CO2 laser; Additional laser source with 500 W output; Physical maximum build envelope: Approx. W 380 x D 330 x H 450 mm (± 10%); Input data file format: *.STL; CAD/CAM module: 3D shop having capability of typical standard Read/Write formats like IGES, STEP, VRML, STL, B-Rep etc.	1	400.00	

Table 2: Equipment for procurement during the FY 2025-26 and Next 3-5 years under **CSIR-Funded Projects (CSIR Project Mode)**:

Financial Year 2025-2026				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost (Rs. in Lakhs)**	**Project Number/Code**
1	NABL Certified Calibrated Analytical Balance		2.00	FIR010403
2	Powder hopper assembly (for Air plasma spray system)		18.00	FIR010403

Next 3-5 Years	

S. No.	Name of Equipment / Item	Quantity (Nos.)	Approximate Cost (Rs. in Lakhs)	Project Number/Code

Table 3: Equipment for procurement during the FY 2025-26 and Next 3-5 years under **Externally Funded Projects (EFP)**:

Externally Funded Projects (EPF)				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost (Rs. in Lakhs)**	**Project Number**
1	pH meter	1	1.00	
2	Precision weighing balance	2	1.50	
3	High power ultrasonic probsonicator	1	10.0	
4	Digimat-Am Hexagon software	1	40.00	GAP0277
5	Desktop Computer for project staff	1	1.00	GAP0277
6	Desktop Workstation	1	3.50	GAP0277

[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 2026-27**(Annual):

S. No.	Category	Expected Procurement Value (Rs. In Lakhs)
1	Polymer filament and Powder, Purging Compound for Extruder,	5 Lakhs
2	Artificial Bone, 3D Printer consumables like Nozzle, thermal sensors, printing bed. 3d printed lattice structures Magnet	3 Lakhs
3	Printer Cartridges	0.12 Lakhs
4	RAM ,SSD Storage for Up gradation of existing workstation.	2 Lakhs

CSIR- Central Glass & Ceramic Research Institute

Name of the Division: EMDD

Procurement Plan

[Financial Year 2026-27]

[A] Equipment:

Table 1: Equipment for procurement during the FY 2026-27 and subsequent 3 – 5 years (under **Non-project mode**; out of **CSIR Grant / Lab Grant**):

Financial Year 2026-2027			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)
1	Electrochemical Battery testing Workstation with EIS and High/Low measurement system	1	125 lakh
2	Water Bath Shaker	1	1.50
3			
4			

Next 3-5 Years			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)
1	Wire cutting machine for glasses	1	25
2	Glass polishing machine	1	20
3	Self-contained 25 ton Auto-Pellet press	1	50
4			

Table 2: Equipment for procurement during the FY 2026-27 and Next 3-5 years under **CSIR-Funded Projects (CSIR Project Mode)**:

Financial Year 2026-2027				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1	PG-Stat	1	20	NA
2	Multi Channel Workstation with EIS and HT/LT measurement cabinet	1	50	NA
3	Muffle Furnace	1	3.19	IST552506
4	Vacuum Oven	1	1.5	IST552506
5	Research centrifuged	1	1.6	NA
6	Filtering device (system)	1	1.1	NA
7	Syringe for spray coating unit	2	3.0	NA
8	Electrophoresis power supply	2	2.4	NA

9	Augmentation of 2kW SOEC test bench to 4kW indigenous SOEC stack Consisting of: Horizontal Split Heating Box as Thermal Source for Solid Oxide Electrolyser Stack and Electrochemical Active Box, etc.	1	100.00	MMP-065202

Next 3-5 Years				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1	Slurry coater	1	5.0	NA
2	Electrochemical analyzer	1	20	NA
3	Temperature controlled photochemical reactor	1	20	NA
4	Ion Chromatography System	1	35	NA
5	Electrochemical workstation with potentiostat/ galvanostat with windows-based acquisition software	1	22	NA

Table 3: Equipment for procurement during the FY 2026-27 and Next 3-5 years under **Externally Funded Projects (EFP)**:

Financial Year 2026-2027				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1	Two target sputtering units (for 10 mm x 10 mm samples)	1	40	NA
2	Two target sputtering units (for 20-50 mm x 20-50 mm samples)	1	90	NA
3	Battery Tester 16 channels	1	65	DST NEST Mission
4	PG-Stat	2	20	DST NEST Mission
5.	Multi Channel Workstation with EIS and HT/LT measurement cabinet	1	50	NA
6	Assorted Furnace (BBO)	4	141	GAP0387
7	Assorted Furnace (Sintering)	2		GAP0387
10	Helium Leak detector	1	25	GAP0387
12	Semi-automated Screen Printer	1	10	GAP0387
13	Spray infiltration unit	1	10	GAP0387
	Open flange cell and short stack tester for rapid evaluation of EC properties			

Next 3-5 Years				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1	Two target sputtering units (for 10 mm x 10 mm samples)	1	40	NA
2	Two target sputtering units (for 20-50 mm x 20-50 mm samples)	1	90	NA
3.	Battery Tester 16 channels	1	65	DST NEST Mission
4.	PG-Stat	2	20	DST NEST Mission
5.	Multi Channel Workstation with EIS and HT/LT measurement cabinet	1	50	NA
6	Time Correlated Single Photon Counting Fluorescence Lifetime System (TCSPC)	1	60	NA
7	High Performance Liquid Chromatography (HPLC)	1	40	NA
8	EPR/ESR Spectrometer	1	60	NA
9	Three Zone High Temp. Gradient Split tube furnace	1	20	NA
10	FTIR spectroscopy	1	24	NA
11	Mechanical stirrer	1	1.5	NA
12	Drying chamber	1	1.5	NA
13	Spraying chamber	1	1.5	NA

CSIR- Central Glass & Ceramic Research Institute

Name of the Division : EMDD

Procurement Plan

[Financial Year 2026-27]

[B] Consumables:

The following categories of consumables are likely to be procured during the FY 2026-27.

Table 3: Consumables likely to be procured during **Financial Year 2026-27** (Annual):

S. No.	Category	Expected Procurement Value (Rs. In Lakhs)
1	Chemicals: SiO2, Na3PO4, Al2O3, NH6PO4, Li3PO4, Bismuth salts, electrolytes, graphene, monomers for polymer synthesis, Toluene, 2 propanol, Acetone, Ethanol, Oleic acid, Oleylamine (ex.- Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.)	~30
2	Other Consumables: Metal targets (Au, Ag, Cu, Ni, Fe, Pt, Au/Pd), photo reactor components, Ag paste, Silicon oil (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.)	~31
3	Glass wares (ex- name the different glass wares)	5.5
4	Plastic wares (ex- Name the different plastic wares)	1.5
5	Cartridges, Batteries, etc.	3
6	Gases (He, Ar, N2)	20
8	Maintenance/AMC/repairing of existing equipment: Thermoelectric instrument (ZEM-3)	7.5
9	Stationary items (ex- name a few)	2.5
10	IT / software-related Items (Name the items required during year)	
11	Furniture (Name the items required during year)	
13	Electric Items (Name the items required during year)	2
14	Raw materials pertaining to screen printing	10
15	Raw materials pertaining to tape casting	15
16	Miscellaneous consumables for electrochemical testing involving meshs/wires/pastes/anabond sealants etc.	10
17	Indigenous fabrication for various EC test set up to establish end to end EC testing process lines for cells and stacks	10

Details of procurement of Consumables				
S. No.	**Consumables/ Items**	**Category** *(As above 13 categories)*	**Expected Procurement Value** (Rs. In Lakhs)	**Project / Fund**
1				
2				
3				
4				

Updated On: 06/08/2026

Name of the Laboratory: Central Glass and Ceramic Research Institute

Name of Division: Fiber Optics & Photonics Division (FOPD)

Procurement Plan

A	FOR THE FINANCIAL YEAR/YEARS 2026-2027 & 2027-2028

A(a)	EQUIPMENT

(i)	Equipment: Out of CSIR Infra Grant

Sr. No	Name category of equipment/vehicle/Item	Quantity (Nos)	Approximate cost (Rs. in Lakhs)

(ii)	Equipment: Out of CSIR funded projects

Sr. No	Name category of equipment/vehicle/Item	Quantity (Nos)	Project Nos/Code	Approximate cost (Rs. in Lakhs)
	Optigrating Software	1	OLP2315	11
	PH meter	1	OLP2315	0.5
	Hot plate with magnetic stirrer	2	OLP2315	3
	High Temperature Furnace	1	OLP2315	23

(iii)	Equipment: Out of externally funded projects (EFP)

Sr. No	Name category of equipment/vehicle/Item	Quantity (Nos)	Project Nos/Code	Approximate cost (Rs. in Lakhs)
1.	Up gradation of existing MCVD-VPCD system	1	GAP-0188	450.00
2.	Up gradation of existing fiber drawing tower	1		320.00

3.	Automated Fiber Optic pump and signal combiner fabrication workstation with large diameter fiber cleaver	1		301.00
4.	Glass Processing System for fabrication of End Cap	1		201.00
5.	High Performance Optical spectrum analyser and spectrometer	1		50.00
6.	Digital Storage Oscilloscope	1		29.75
7.	Programmable DC Power Supply	4		18.50
8.	Laser Sensor	1		6.52
9.	Scanning slit beam profiler with Source	1		9.26
10.	Air cooled chiller	2		18.31
11.	Thermal Mass Flow Controller			
	GF120CXXC-0001500CVXAOG1-XXXXAX-000 (For Helium)	8		31.22
	GF120CXXC-0015002LVXAOG1-XXXXAX-000 (For Oxygen)	1		3.90
	GF120CXXC-0110020CVXAOG1-XXXXAX-000 (For SF6)	1		3.90
	SLA5851S-1E-A-B-1-B-1-A-1(For Nitrogn)	1		3.65
12.	Stainless steel Bubbler	6		30.0
13.	Air Shower for MCVD room	1		8.38
14.	Automatic changeover, integrated Modular regulated Panel (Point of use Regulator), SS316 for H2, O2 gases along with accessories	1		4.98
15.	Multi-Function Large Diameter Glass Fiber Processing System	1		502.00
16.	Indoor Water Cooling System for Laser Thermal Control	1	GAP-0188	7.00
17	High-Resolution Spectrophotometer and accessories	1	GAP0193	24.6
18	Bio-Safety Cabinet	1	GAP0193	2
19	Lasers & Components	5	GAP0193	2
20	Dehumidifier	4	GAP0183	3
21	Vertical Bath Circulator	1	GAP0193	1.3
22	Optical table	10	GAP-0183	30
23	Desktop Computers	5	GAP-0183	5

24	UPS	4	GAP-0183	4
25	Printers	5	GAP-0183	2.5
26	Laptop	4	GAP-0183	4
27	Splicing Machine	2	GAP-0183	5
28	Drilling Machine with Bits	1	GAP-0183	1
29	Stabilized broadband light source, tungsten-halogen, 360–2400 nm, SMA 905 output Optical Spectrum Analyzer, 600–1700 nm, ≤0.05 nm resolution Optical power and energy meter console with Si (400–1100 nm) and InGaAs (800–1700 nm) sensor heads Laser diode driver with TEC controller and diode mounts (for 405/450/520/660/780 nm modules) Digital Abbe / benchtop refractometer (nD 1.30–1.70, 10^{-4} accuracy) for calibrating RI standard solutions Recirculating chiller, compressor-based, –20 °C to +40 °C, for temperature-dependent sensing studies Syringe pump (programmable, dual-channel) and peristaltic pump for flow-cell based sensing Table-top gold sputter coater with film thickness monitor (for Au nanostructure / nanohole array fabrication) Plasma cleaner (air/O_2) for PDMS bonding and surface activation Ultrasonic cleaner (bench-top, 3–5 L, heated) Ultrapure (Type-I) water purification system, 18.2 MΩ·cm High speed photodetector for 2 µm wavelength, Laser heat sink, Seed diode laser, DFB seed laser, laser diode driver module	21	GAP-0188/ GAP-0186/ GAP-0189/ GAP-0190/ GAP-0191/ MMP065202	25

A(b)	FOR THE NEXT 3-5 YEARs

(i)	Equipment: Out of CSIR Infra Grant

Sr. No	Name category of equipment/vehicle/item	Quantity (Nos)	Approximate cost (Rs. in Lakhs)
1.			
2.			

(ii)	Equipment: Out of CSIR funded projects

Sr. No	Name category of equipment/vehicle/item	Quantity (Nos)	Project Nos/Code	Approximate cost (Rs. in Lakhs)
1.	Thermal camera	1	OLP2315	5
2.	Oxygen plasma cleaner	1	OLP2315	9
3.	Liquid Circulator	1	OLP2315	3
4.	Optical power meter	1	OLP2315	3
5.	Laboratory syringe pump	2	OLP2315	5
6.	Portable vibration resistant industrial hot plate	1	OLP2315	2
7.	Time resolved Spectrometer	1	OLP2315	23
8.	High temperature vibration bench	1	OLP2315	13
9.	Ruggedized field DAQ system	5	OLP2315	5
10.	Single Channel interrogator	7	OLP2315	7

Equipment: Out of externally funded projects (EFP)

S. No.	Name category of equipment/vehicle/item	Quantity (Nos.)	Project Nos/Code	Approximate cost (Rs. in Lakhs)
1	Optical table	10	GAP-0183	30
2.	Computers and Printers	5	GAP-0183	8

A (b)	CONSUMABLES

(i)	Consumable: Out of CSIR Infra Grant

Sr. No	Category/Item	Expected procurement value (Rs. in Lakhs)
1.		
2.		

(ii)	Consumable: Out of CSIR funded projects

Sr. No	Category/Item	Expected procurement value (Rs. in Lakhs)	Project / Fund
1.	Inconel tubes, SS tubes, Metal housing for FBG sensors	5	FFT010609/OLP2315
2.	HT cement from Crotonics, USA	1	FFT010609/OLP2315
3.	3M adhesive (black)	.5	FFT010609/OLP2315
4.	MT 13 (White)	.5	FFT010609/OLP2315
5.	Sapphire fiber with arrangemnet	2	FFT010609/OLP2315
6.	Optical component for femto system (mirror, shutter, mount , periscope etc.)	3.5	FFT010609/OLP2315
7.	Harsh environment connector (MIL grade)	1	FFT010609/OLP2315
8.	Small electronics consumables for FBG calibration experiments	1	FFT010609/OLP2315
9.	Reference sensors (Electrical/Optical for benchmarking)	2	FFT010609/OLP2315
10.	Battery for UPS, UPS (2KVA/1 KVA)	1	FFT010609/OLP2315
11.	Flexible splice protection sleeve (1000 NOS)	1	FFT010609/OLP2315
12.	FC/APC(100 nos) and SC/APC(100 nos) Patchcord armoured	1	FFT010609/OLP2315
13.	Level Printer	0.5	FFT010609/OLP2315
14.	Furcation Tube	0.5	FFT010609/OLP2315

15.	Damping liquid	0.75	FFT010609/OLP2315
16.	Rectangular slide for long length FBG writing	1	FFT010609/OLP2315
17.	LI battery power supply for field application (FBG interrogator and Laptop)	1	FFT010609/OLP2315
18.	Servicing of Chiller Unit	0.25	FFT010609/OLP2315
19.	Fault locator(2 nos)	0.5	FFT010609/OLP2315
20.	Spring and refrective index gel	1.15	FFT010609/OLP2315
21.	Blue tape (3M), Kapton tape	0.5	FFT010609/OLP2315
22	*CCD array Module*	2	FFT010609/OLP2315
23	Optical Pedestal Periscope Mount	2.5	FFT010609/OLP2315
24.	Optical Post	1.25	FFT010609/OLP2315
25	Phase mask(uniform or chirped) for FBG grating	18	FFT010609/OLP2315
26	Servicing and repairing of lab equipments including spare parts	5	FFT010609/OLP2315
27	Polydimethylsiloxane (PDMS) materials	1	FFT010609/OLP2315
28	Sapphire fiber and other accessories	3	FFT010609/OLP2315
29	cladding mode free fiber from coherent usa	5	

(iii)	**Consumable: Out of externally funded projects (EFP)**

Sr. No	**Category/Item**	**Expected procurement value (Rs. in Lakhs)**	**Project / Fund**
1.	<u>F-300 Grade Silica Tube</u> SilicaTube(20/17)mm, SilicaTube(20/12)mm, SilicaTube(10/3)mm	71.62	GAP-0188/ GAP-0186/ GAP-0189/ GAP-0190/ GAP-0191/ MMP065202
2.	<u>Local Silica tube & rods</u> Silica Tube (20/17) mm, Silica Tube (28/24) mm, Silica Tube (40/36) mm, Silica Rod (10 mm), Silica Rod (18 mm)	6.16	
3.	<u>Fuel and purging gases</u> Commercial H2 gas (99.5%)	71.20	

	Commercial O2 gas (99.97%) N2 (99.999%) High purity He gas (99.999%) High purity Argon gas (99.999%) Hih purity He gas (99.9995%) High purity Oxygen (99.9995%)		
4.	High Purity Nitrogen (99.999%) Grade-1	19.03	
5.	<u>Consumable items for MCVD HTS system</u> Thermosensor (CN117775); Thermosensor (CN117774); Thermosensor (CN117776); Temperature Sensor (C0108095); Temperature Sensor (C0108097); Temperature Sensor (C0108096); O-ring (CN115565); Pressure Transducer (CN200696)	5.30	
6.	<u>Consumable items for MCVD preform fabrication run</u> Kalrez 9100 O-ring K-32091; Kalrez 9100 O-ring K-210; MFC Connector; Ball Valve 546 Pro PVC-U/EPDM; Ball Valve 179 PVC-U/EPDM; MF Module MFM PPGF	12.03	
7.	Lab Chemicals (Acetone, Isopropyl Alcohol, Hydrofluoric Acid etc.)	3.0	
8.	<u>Fiber Draw Tower consumable items</u> Furnace Element , Furnace Liner, Furnace Element clamp, Furnace Element clamp mounting nut, Manual potentiometer of main control panel, Solenoid Valve -2 port NC, Solenoid Valve - 2 port NO, Eccentric Diaphragm Pump, EP Converter/Electro-pneumatic regulator, Tractor Belts, Coating Die, Flow Meter, OMRON AC Servo Drive, contactor DC24V, Contactor Timer ,Metal Exhaust Fan for Control Panel Cabinet mount, KIT-RFLTR,F10T,VENT,R500,STRIP W/STRIP, KIT-REFLE,I600M/LHI10,R500,BASIC,DF,QCS , KIT-RF SCREEN,10 INCH,QCS/STD, Glass Wool Filter, Pad for UV housing cooling Filter, Zirconia cell for Gettering furnace, Titanium charge for Gettering furnace, Mass flow controller, VCR/tube fitting, VCR gasket, Male connector, Equal T, gauge calibration	26.50	

	mount, Viton O-ring, BULB AY-UV IRAD, KIT-MAGNETRON, KIT-RF DETECTOR		
9.	Consumable items for NGC & Lathe (Pneumatic brunching module, Teflon Tube, Fiber glass wool, Heat resistance tape, lubricant oil, grease, Iron removal spray, glass cutting diamond blade, soot removal paddle, dust removing filter)	20.10	
10.	Optics and Opto mechanical Components	13.45	
11.	Graphite filament assembly and Fluorine doped Fused Silica Capillary tube	42.09	
12.	Specialty Fibers (different specifications)	81.83	
13.	FBG for seed Oscillator / High Power Reflector and High Optocoupler	9.97	
14.	Grinding of circular glass perform into Octagonal shaped structure	25.0	
15.	Electron probe micro analyses of Yb doped optical fiber samples	3.27	
16.	High Purity SiCl4 (99.9999%)	35.0	
17.	High Purity POCl3 (99.99999%)	10.62	
18.	UV Curable Polymer Cladding Resin Efiron UVF SPC-375 Efiron SCU 2000	16.5	
19.	Specialty Chemical for active fiber Cerium(III) 2,4- pentanedionate hydrate) Aluminum chloride, anhydrous, 99.999% (metals basis) Ytterbium Tris(2,2,6,6-tetramethyl-3,5-heptanedionato) ytterbium(III) Aluminum nitrate hydrate, Puratronic™, 99.999% Cerium(III) chloride hydrate, REacton™, 99.9% Ytterbium(III) chloride hydrate, REacton™, 99.99% Germanium(IV) Chloride 99.9999% Lutetium (III) Chloride hexahydrate 99.9%	10.45	
20.	Fiber Coupled Semiconductor diodes	130.0	
21.	Mode field adaptor with strippers and Fiber Cladding Power stripper	7.50	

22.	Collimating Unit with QBH Output Fiber	19.00	
23.	Water Cooled Heat Sink for Pump Diodes	65.23	
24.	Inspection and replacement of purging nitrogen, hydrogen/oxygen gas lines and soot collection and scrubber unit	6.10	
25.	Speciality optical fiber Ytterbium, Erbium, Thulium, Holmium, microstructure fiber, nonlinear fiber and Passive fiber, PM gain and passive fiber	10.0	GAP0186/ GAP0189/ GAP0190/ GAP0192
26.	Laser/coherence source (Pump diode)	10.0	GAP0186
27.	Fiber Optical components (FBG's, Pump combiner, Optical isolator, Optical circulator, Pump signal combiner, Optical fiber coupler, Cladding power stripper, optical pulse generator, AOM and RF driver, Fiber to Free space collimator, High power fiber coupler, etc)	5.0	GAP0189/ GAP0183/ GAP0193 /GAP0192/ GAP0190
28.	Optomechanical items Stage mount, lens/mirror holder, vibration isolation stages, motion control stage etc.	5.0	GAP0186
29.	Hybrid cooling system	1.0	GAP0190
30.	Electrical items for packaging	1.0	GAP0190
31.	Mechanical items for packaging	1.0	GAP0190
32.	Optical fiber stepper, clever and splicer,	1.0	GAP0189
33.	Optical fiber cleaning items	0.5	GAP0186
34.	Laser light characterization items (power meter. Detector, camera etc)	5.0	GAP0186
35.	Thermal imager	8.0	GAP0186
36.	Ytterbium –Doped LMA Double Clad Fiber	2.0	GAP0186/ GAP0189
37.	High power polarization Insensitive Circulator	4.0	GAP0186/ GAP0189
38.	Other Consumables	27	GAP0183/ GAP191/ MMP065202
39.	Cartridges, Batteries etc	2	GAP0183/ GAP191/ MMP065202
40.	Gases	5	GAP0183/ GAP191/ MMP065202

41.	Maintenance/AMC/repairing of existing equipment	10	GAP0183/ GAP191/ MMP065202
42.	IT / software-related Items	5	GAP0183/ GAP191/ MMP065202
43.	Electric Items	20	GAP0183/ GAP191/ MMP065202
44.	DC - 500 MHz Balanced Photo detectors with Fast Monitor Output	1	GAP-0186
45	Gold Chloride salt	1	GAP0193
46	Gold target for sputter coater	1.5	GAP0183/ GAP191/ MMP065202
47	*CCD array Module*	2	GAP-0183
48	Optical Pedestal Periscope Mount	2.5	GAP-0183
49	Optical Post	1.25	GAP-0183
50	Phase mask(uniform or chirped) for FBG grating	18	GAP-0183
51	Servicing and repairing of lab equipments including spare parts	5	GAP-0183
52	Sensor housing for strain, vibration, tilt, displacement, load , pressure	10	GAP-0183
53	cladding mode free fiber from coherent usa	5	GAP-0183
54	*Lab Tools for mechanical, electrical and electronics work*	5	GAP-0183
55	*Optical Splitter, combiner, connectors, optical fiber*	10	GAP-0183/ GAP0193
56	*Light source for optical fiber*	2	GAP-0183
57	Portable Drilling Machine with Bits	1	GAP-0183
58	Optical interrogator module	12	GAP-0183
59	Fiber connector epoxy, UV-curable optical adhesive (NOA 61/68 class), heat-cure epoxy Protection sleeves, furcation tubing, ferrules, glass/metal capillaries for probe packaging Gold sputtering targets (99.99%, 57 mm) and Cr/Ti adhesion-layer targets Gold(III) chloride trihydrate ($HAuCl_4 \cdot 3H_2O$), silver nitrate, trisodium citrate, $NaBH_4$ (nanoparticle synthesis) Refractive index calibration materials – sucrose, NaCl, glycerol (AR grade); certified RI liquids set	20	GAP0183/ GAP0193/ GAP191/ MMP065202 / GAP0187/

	Buffers and salts – PBS tablets, Tris, MES, HEPES, NaOH, HCl (AR grade) Solvents – acetone, isopropanol, ethanol (AR/HPLC grade); piranha components (H_2SO_4, H_2O_2) Microscope glass slides, coverslips, silicon wafer pieces (deposition substrates) Micropipettes (2-1000 µL set) with tips; syringes, syringe filters (0.22/0.45 µm), PTFE tubing and fittings Laboratory glassware – beakers, volumetric flasks, measuring cylinders, reagent bottles Nitrile gloves, lint-free wipes (Kimwipes class), cleanroom swabs, parafilm, aluminium foil Optomechanical hardware – posts, post holders, kinematic mounts, fiber chucks, iris, cage components Photodiodes (Si, InGaAs), ND filter set, bandpass/longpass filter set, beam splitters, mirrors, lenses		
60	Printed Circuit Boards, Processor boards and modules, Graphics board and modules, FPGA and Microcontroller Kits, Enclosures for System, Cables, Connectors etc	7.5	GAP0183/ GAP0191/ GAP0187/ MMP065202

CSIR- Central Glass & Ceramic Research Institute

Name of the Division: IITD/Instrumentation

Procurement Plan

[Financial Year 2026-27]

[A] Equipment:

Table 1: Equipment for procurement during the FY 2026-27 and subsequent 3 – 5 years (under **Non-project mode**; out of **CSIR Grant / Lab Grant**):

Financial Year 2026-2027			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)
1	Mixer 24 channel	1	1.40
2	Mixer 8 channel	1	0.30
3	LED Display panel 55/ 65 inch	3	2.50
4	PTZ Camera	2	3.00
5	Display screen (110 inch diagonal)	2	2.00
6	Speaker phone	2	1.20
7	Monitor Speaker	2	3.00
8	Condensor microphone	1	0.55
9	Handheld wireless Microphone dual channel	1 set	0.50
10	Vocal Microphone	3	1.00
11	Instrument Microphone	1	0.16
12	Super cardiod Microphone	1	0.1
13	High temperature infrared pyrometer, measurement range: 400˚C to 2000˚C with data logging facility	1	4.0
14.	Temperature programmer/controller	4	2.0

Next 3-5 Years			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)
1	High temperature (up to 1700 ˚C) dry block calibrator with standard thermocouple	1	5
2			
3			

Table 2: Equipment for procurement during the FY 2026-27 and Next 3-5 years under **CSIR-Funded Projects (CSIR Project Mode)**:

Financial Year 2026-2027				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				
2				
3				
4				

Next 3-5 Years				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				
2				
3				
4				

Table 3: Equipment for procurement during the FY 2026-27 and Next 3-5 years under **Externally Funded Projects (EFP)**:

Financial Year 2026-2027				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				
2				
3				
4				

Next 3-5 Years				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				
2.				
3.				
4.				

CSIR- Central Glass & Ceramic Research Institute

Name of the Division : IITD-Instrumentation

Procurement Plan

[Financial Year 2026-27]

[B] Consumables:

The following categories of consumables are likely to be procured during the FY 2026-27.

Table 3: Consumables likely to be procured during **Financial Year 2026-27** (Annual):

S. No.	Category	Expected Procurement Value (Rs. In Lakhs)
1	(ex. -Isopropyl alcohol, Acetone, Carbon tetra chloride, Ferric chloride , Rust cleaner etc.)	0.30
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.)	
3	Glass wares (ex- name the different glass wares)	
4	Plastic wares (ex- Name the different plastic wares)	
5	Cartridges, Batteries, etc.	3.00
6	Gases (ex- Helium)	0.40
8	Maintenance/AMC/repairing of existing equipment	6.00
9	Stationary items (ex- white board marker , duster, gloves, mask etc)	0.30
10	IT / software-related Items (Name the items required during year)	
11	Furniture (Name the items required during year)	
13	Electric Items (Name the items required during year) Thyristor drives, relay/contactor, wires, lamps , different audio-visual cables , different adaptor , different splitter , matrix , different connectors , pointer , heating elements for high temperature furnaces, electronic PCB mount components, electrical and electronic tools etc	6.00

Details of procurement of Consumables				
S. No.	**Consumables/ Items**	**Category** *(As above 13 categories)*	**Expected Procurement Value** (Rs. In Lakhs)	**Project / Fund**
1				
2				
3				
4				

CSIR- Central Glass & Ceramic Research Institute

Name of the Division: ITCMS

Procurement Plan

[Financial Year 2026-27]

[A] Equipment:

Table 1: Equipment for procurement during the FY 2026-27 and subsequent 3 – 5 years (under **Non-project mode**; out of **CSIR Grant / Lab Grant**):

Financial Year 2026-2027			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)
1	Server	1	10
2	Workstations for IT Section	3	6
3	Switch	5	10
4	Colour printer	1	0.3
5	Laptop	2	2.0
6	High end laptop	2	3.0
7	Monitor	2	0.6
8	1. 1 KVA UPS	1	0.2

Next 3-5 Years			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)
1	Switches (Core, Distribution)	4 + 20	80
2	Servers	4	30
3	Firewall	1	15
4	UPS	2	20

CMS (Computational Material Section)

Financial Year 2026-2027			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)
1	CPU Server	3	25
2	GPU Server	1	15
2	Workstations	3	6

Next 3-5 Years			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)
1	CPU Servers	8	80
2	GPU Servers	4	70
3	Workstations	8	24

Table 2: Equipment for procurement during the FY 2026-27 and Next 3-5 years under **CSIR-Funded Projects (CSIR Project Mode)**:

Financial Year 2026-2027				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1	Macbook Pro	1	2	MMP015203
2	Laptop	1	2	MMP015203

Next 3-5 Years				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				
2				

Table 3: Equipment for procurement during the FY 2026-27 and Next 3-5 years under **Externally Funded Projects (EFP)**:

Financial Year 2026-2027				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				
2				

Next 3-5 Years				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				
2.				

CSIR- Central Glass & Ceramic Research Institute

Name of the Division : ITCMS

Procurement Plan

[Financial Year 2026-27]

[B] Consumables:

The following categories of consumables are likely to be procured during the FY 2026-27.

Table 3: *Consumables likely to be procured during* ***Financial Year 2026-27*** *(Annual):*

S. 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.)	
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.)	
3	Glass wares (ex- name the different glass wares)	
4	Plastic wares (ex- Name the different plastic wares)	
5	Cartridges, Batteries, etc. : Printer Certridges	0.6
6	Gases (ex- tentative names)	
8	Maintenance/AMC/repairing of existing equipment	
9	Stationary items (ex- name a few)	
10	IT / software-related Items (Name the items required during year) : Wifi Router and Wildcard SSL Certificate and others*	75.5
11	Furniture (Name the items required during year)	
12	Harddisk	2.0
13	SSD	3.0
14	AMC for UPS	1.0
15	RAM for Workstations	3.0
16	HPC Server related accessories	8.0
17	Software related to Computational research	5.0

*Details of procurement of Consumables				
S. No.	**Consumables/ Items**	**Category** *(As above 13 categories)*	**Expected Procurement Value** (Rs. In Lakhs)	**Project / Fund**
1	2 TB external SSD - 1	10	0.45	
2	1 TB external SSD - 3	10	0.25	
3	8 GB RAM - 4	10	0.1 lakhs per item	
4	Wifi access points (60)	10	0.165 lakhs	
5	LAN cable – (4 rolls – 305 mtr each)	10	0.25 lakh/roll	
6	Patch cord – various lengths	10	3 Lakh	
7	Proxmox Backup server license – 2	10	1.8 lakhs/item	
8	SSL Certificate	10	0.5 lakhs/item	
9	MS Office for Mac – 2	10	0.3 lakhs/item	
10	Software Subscription for Code Assistance and Testing Tools – 1 year	10	1 lakh	
11	Misc. IT Items	10	0.2 lakhs	
12	Fiber Cable laying service	10	1 lakh	
13	Fiber Cable – 1 Km	10	1 lakh	
14	Fiber connectors - 100	10	0.02 lakhs/item	
15	1 G Fiber SFPs - 10	10	0.3 lakhs/item	

CSIR- Central Glass & Ceramic Research Institute

Name of the Division: SGD

Procurement Plan

[Financial Year 2026-27]

[A] Equipment:

Table 1: Equipment for procurement during the FY 2026-27 and subsequent 3 – 5 years (under **Non-project mode**; out of **CSIR Grant / Lab Grant**):

Financial Year 2026-2027			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)
1	**Salt Spray Chamber**	**1**	**4.00**
2	**Abrasion test meter**	**1**	**1.00**

Next 3-5 Years			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)
1	**Viscometer**	**01**	**17 lakhs**

Table 2: Equipment for procurement during the FY 2026-27 and Next 3-5 years under **CSIR-Funded Projects (CSIR Project Mode)**:

Financial Year 2026-2027				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost (Rs. In Lakhs)**	**Project Number**
1	One UV cure chamber	01	5.5 Lakhs	Up-coming FTT project
2	Weather resistance Chamber	01	2.5 lakhs	Up-coming FTT project
3	Ultrasonication bath	01	0.6 lakhs	Up-coming FTT project

4	Workstation with computer for modelling and AL/ML	01	1.5 lakhs	Up-coming FTT project

Next 3-5 Years				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				
2				

Details of procurement of Consumables				
S. No.	**Consumables/ Items**	**Category** *(As above 13 categories)*	**Expected Procurement Value** (Rs. In Lakhs)	**Project / Fund**
1	Alkoxide of Si, Ti, Zr, Al etc., Resins Type ty types	1	10 lakha	FTT project
2	Different type of solvents	1	5 lakhs	FTT project
3	Salt of Cu, Zn, Ag and Au etc.	1	5 lakhs	FTT project
4	Glass wares with other consumables	2 &3	5 Lakhs	FTT project

Table 3: Equipment for procurement during the FY 2026-27 and Next 3-5 years under **Externally Funded Projects (EFP)**:

Financial Year 2026-2027				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				
2				

Next 3-5 Years				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				
2.				

CSIR- Central Glass & Ceramic Research Institute

Name of the Division : SGD

Procurement Plan
[Financial Year 2026-27]

[B] Consumables:

The following categories of consumables are likely to be procured during the FY 2026-27.

Table 3: Consumables likely to be procured during **Financial Year 2027-27** (Annual):

S. 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.) 1. Al2O3 2. ZrO2 3. WO3 4. Bi2O3 5. La2O3 6. SiO2 7. Ga2O3 8. Ge2O3 9. TiO2 10. Nb2O3 11. Sb2O3 12. Si wafer 13. Sputtering targets: SiO2, HfO2, Ag, Cu, Al2O3, TiO2, ITO, ZnS, MoS2, MoSe2 14. Machine oil 15. Soluble oil 16. Grease 17. Polishing powder 18. Polishing felt 19. Calcium carbonate, 20.Strontium carbonate, 21. Boric acid, 22.Tri-calcium phosphate, 23.Nickel oxide, 24. Lanthanum oxide, 25. Quartz (fine granular),	**58.5**

	26. Aluminium oxide calcined, 27. Red lead, 28.Sodium carbonate, 29. Potassium nitrate, 30. Cerium oxide, 31. Tantalum oxide, 32. Tellurium oxide, 33. Vanadium oxide, 34. Niobium oxide, 35. Germanium, 36. Antimony, 37. Selenium, 38. Arsenic, 39. Tellurium, etc 40. GeO_2 41. Ga_2O_3 42. $BaCO_3$ 43. La2O3	
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.)	
3	Glass wares (ex- name the different glass wares) 1. Silica Lid 2. Silica Channel 3. Silica Rod 4. Silica Tubes **5.** Silica ampoule	20.0
4	Plastic wares (ex- Name the different plastic wares)	
5	Cartridges, Batteries, etc. Printer Cartridge Laptop battery	0.50
6	Gases (ex- tentative names) UHP Nitrogen, Hydrogen, Argon, Oxygen, Helium, Mixed Gas	2.0
7	Maintenance/AMC/repairing of existing equipment 1. AMC of Clean Room related to 15 L Induction Furnace	10.5
	2. AMC of 3kW Microwave Furnace	2.2
	3. Non Comprehensive AMC of Metal Evaporation System, Model 12” MSPT with RF/DC Sputtering and Thermal Evaporation System	1.1

	4. AMC of 5L Induction Melting Furnace (Megatherm make) at Room No. 54	2.1
	5. AMC of 5L Induction Melting Furnace (Megatherm make) at Optical Glass Plant	2.5
	6. AMC of 1L Induction Melting Furnace (Megatherm make) at Optical Glass Plant	2.0
	7. AMC of 15L Induction Melting Furnace (Electrotherm make) at Room No. 548A	3.0
	8. AMC of 5L Induction Melting Furnace (Electrotherm make) at Optical Glass Plant	3.0
	9. Non-comprehensive Annual Maintenance Contract for 5 Nos. Dehumidifiers	2.0
	10. AMC of FRS-1800-DRS furnace Rheometer System 1800	1.35
	11. Repairing of Heat treatment furnace	5.0
	12. AMC of Confocal Laser Micro Raman Spectrometer	3.0
	13. Non Comprehensive AMC of (i) FTIR (Model No. Frontier MIR/FIR DTGS/KBr Serial No. 000000000000089995 & Frontier Diffuse Reflectance Accy Serial No. PODL1111141) (ii) UV-VIS-NIR Spectrophotometer (Model No. LAMBDA950 Serial No. 950L1211273) 14. Spares for PM100 15. Servicing of Equipments: 1. Raman Spetrometet 2. Ellipsometeter 3. Compresor 4. Contact Angle Meter 15. AMC of Planetary Ball Mill	2.0 6.0 0.50
	16. Spares for Laser Micro Raman Spectrometer	18.00
	17. SENTRYGLAS® PLUS INTERLAYERSG5000	15.00
	18. DSC Sample crucible (NGB825767) Pt/Rh, outer bottom Ø 6.8 mm, 85 µl Netzsch, Germany . Qty: 20 nos	7.00
	19. IR heater	1.00
	20. Mould heating mantle	4.00
9	Stationary items (ex- name a few)	
10	IT / software-related Items (Name the items required during year)	
11	Furniture (Name the items required during year)	
13	Electric Items (Name the items required during year)	

CSIR- Central Glass & Ceramic Research Institute

Name of the Division: KRC

Procurement Plan

[Financial Year 2026-27]

[A] Equipment:

Table 1: Equipment for procurement during the FY 2026-27 and subsequent 3 – 5 years (under **Non-project mode**; out of **CSIR Grant / Lab Grant**):

Financial Year 2026-2027			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)
1	Desktop with latest configuration	3	2.5
2	Vaccum Cleaner	1	.50
3	Webcam	2	.50
4			

Next 3-5 Years			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)
1			
2			
3			
4			

Table 2: Equipment for procurement during the FY 2026-27 and Next 3-5 years under **CSIR-Funded Projects (CSIR Project Mode)**:

Financial Year 2026-2027				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				

2				
3				
4				

**Please provide Project No. of each items for smooth processing of indents through ACCESS.*

Next 3-5 Years				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				
2				
3				
4				

Table 3: Equipment for procurement during the FY 2026-27 and Next 3-5 years under **Externally Funded Projects (EFP)**:

Financial Year 2026-2027				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				
2				

Next 3-5 Years				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				
2.				
3.				
4.				

CSIR- Central Glass & Ceramic Research Institute

Name of the Division : KRC

Procurement Plan

[Financial Year 2026-27]

[B] Consumables:

The following categories of consumables are likely to be procured during the FY 2026-27.

Table 3: Consumables likely to be procured during **Financial Year 2027-27** (Annual):

S. 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.)	
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.)	
3	Glass wares (ex- name the different glass wares)	
4	Plastic wares (ex- Name the different plastic wares)	
5	Cartridges, Batteries, etc.	0.30
6	Gases (ex- tentative names)	
8	Maintenance/AMC/repairing of existing equipment	
9	Stationary items (ex- name a few)	
10	IT / software-related Items (Name the items required during year)	0.09
11	Furniture (Name the items required during year)	
13	Electric Items (Name the items required during year)	

Details of procurement of Consumables				
S. No.	**Consumables/ Items**	**Category** *(As above 13 categories)*	**Expected Procurement Value** (Rs. In Lakhs)	**Project / Fund**
1	Cartridges 12A (4)	5	.30	
2	Pen drive 128 GB (2)	10	.03	
3	Wifi Router (1)	10	.06	

CSIR- Central Glass & Ceramic Research Institute

Name of the Division: Testing and Characterisation Cell (TCC)

Procurement Plan

[Financial Year 2026-27]

[B] Consumables:

The following categories of consumables are likely to be procured during the FY 2026-27.

Table 3: Consumables likely to be procured during **Financial Year 2027-27** (Annual):

S. 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.)	NA
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.)	NA
3	Glass wares (ex- name the different glass wares)	NA
4	Plastic wares (ex- Name the different plastic wares)	NA
5	Cartridges, Batteries, etc.	NA
6	Gases (ex- tentative names)	NA
8	Maintenance/AMC/repairing of existing equipment	NA
9	Stationary items (ex- name a few)	NA
10	IT / software-related Items (Name the items required during year)	NA
11	Furniture (Name the items required during year)	NA
13	Electric Items (Name the items required during year)	NA

Details of procurement of Consumables				
S. No.	**Consumables/ Items**	**Category** *(As above 13 categories)*	**Expected Procurement Value** (Rs. In Lakhs)	**Project / Fund**
1	*Laser Printer Cartridge* CF510A, 511A, 512A, 513A (1 set+ 1 black)	5	.30	
2	Laser Printer Cartridge 335X (1)	5	.08	
3	HP Laser Jet CC388AC (4)	5	.25	
4	Room Freshner (4 pcs)	9	.015	
5	Mosquito repellent refil (10)	9	.008	
6	Pen- Blue (12) and Red (6)	9	.009	
7	Liquid Hand wash (750ml) Dettol/Lifebuoy (4 bottles)	9	.01	
8	Pencil Battery (R06) AA, Duracell	5	.003	

CSIR- Central Glass & Ceramic Research Institute

Name of the Division: MSTD

Procurement Plan

[Financial Year 2026-27]

[A] Equipment:

Table 1: Equipment for procurement during the FY 2026-27 and subsequent 3 – 5 years (under **Non-project mode**; out of **CSIR Grant / Lab Grant**):

Financial Year 2026-2027			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)
1	Mid Level PC(As per MEITY specification)	03 nos.	1.85
2	A4 Size Multifunction Printer	02 nos.	0.35
3	Flatbed Scanner	03 nos.	0.15
4	Interactive Panels with CPU	01 no.	0.65
5	Xerography Machine	01 no.	0.6
6	Water Purifier	02 nos.	0.4
7	Electric Hot & Cold Pouch Laminator	01 no.	0.12
8	Paper Shredder	01 no.	0.16
9	Thermal Binding Machine	01 no.	0.12
10	Executive Table with Pedestal	01 no.	0.3
11	Sofa	01 no.	0.3

Next 3-5 Years			
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)
1			
2			
3			

Table 2: Equipment for procurement during the FY 2026-27 and Next 3-5 years under **CSIR-Funded Projects (CSIR Project Mode)**:

Financial Year 2026-2027				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**

1	Desktop Monitor	01	0.10	HCP002502 (WP3)
2				
3				
4				

Next 3-5 Years				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				
2				
3				
4				

Table 3: Equipment for procurement during the FY 2026-27 and Next 3-5 years under **Externally Funded Projects (EFP)**:

Financial Year 2026-2027				
S. No.	**Name of Equipment / Item**	**Quantity (Nos.)**	**Approximate Cost** (Rs. In Lakhs)	**Project Number**
1				
2				
3				
4				

**Please provide Project No. of each items for smooth processing of indents through ACCESS.*

Next 3-5 Years

S. No.	Name of Equipment / Item	Quantity (Nos.)	Approximate Cost (Rs. In Lakhs)	Project Number
1				
2.				
3.				
4.				

CSIR- Central Glass & Ceramic Research Institute

Procurement source: INFRA (ULIP)

Procurement and Payment Plan

[Financial Year 2026-27]

[A] Equipment:

Table 1: Equipment for procurement during the FY 2026-27 or payment booked during FY 2026-27(as on 14/07/2026):

S. No.	Name of Equipment of which procurement plan made / Expenditure booked 2026-2027	Approximate Cost (Rs. In Lakhs)
1.	Audio Conference System for KC	8.30
2.	Upgradation of Versaprobe	15.23
3.	COMSOL Multiphysics Software	24.96
4.	Multifunctional Printer	0.69
5.	CNC Lathe	26.40
6.	Gas Cylinder trolley	0.19
7.	Mid level Desktop Computer	0.75
8.	Computer Laptop	0.90
9.	Vacuum Scanning Tunneling Microscope	30.00
10.	Large Format Display	0.83
11.	Desktop Computer	61.20
12.	Insurance coverage of United India Insurance Co on HR-TEM	8.04
13.	10 KVA online UPS	1.48
14.	Universal Gauge	16.00
15.	Gas Chromatography	41.67
16.	20V/120A Power Booster	13.13
17.	MCVD Preform Manufacturing System	11.75

Equipment prioritization list with justification (year wise) for ULIP Project for

ACCD (SC)

S. No.	Description of equipment	Approx. price in Lacs
Financial Year 2027-28		
1	Pyrometer for ASTRO furnace	7.50
2	Compressor for chiller	3.00
3	PID controller	1.00
4	FDM 3D Printer OR Shaper machine	4.50
5	Bath sonicator	0.50
6	Spot welding	3.50
7	Electronic weighing balance with the capacity of 10 kg	1.00
8	Forklift with the capacity of 1.5 Ton	3.00
Financial Year 2028-29		
1	Semi-automatic grinding cum slicing machine	25.00
Financial Year 2029-30		
1	Digital Micro Vickers Hardness Tester	13.00
2	Oxy-acetylene torch with heat flux measurement	15.00
Financial Year 2030-31		
1	Immersion Ultrasonic (NDT) System	23.00

[B] Consumables:

Table 1: Consumables for procurement during the FY 2026-27 or payment booked during FY 2026-27 (as on 14/07/2026):

S. No.	Name of the items of which procurement made/ Expenditure booked 2026-2027	Approximate Cost (In Rs.)
1.	Alumina Cylindrical Crucible	99,865.00
2.	Heat sink, 3Phase AC SSR	22,850.00
3.	Hydrofluoric Acid	27,457.00
4.	Unline 6 KVA Online UPS	94,191.00
5.	Argon Gas, regulator	122,000.00
6.	AMC of SENSOFAS S NEOX Optical Profilometer	150,000.00
7.	AMC of 6KVA UPS	22,798.00
8.	Refractory Alumina Porous Tube	49,980.00
9.	Fiber coupled pump diode array	5,921,418.00
10.	AMC of FTIR and UV VIS NIR Spectrophotometer	172,976.00
11.	AMC of 12"MSPT	106,200.00
12.	USB Pen drive and cable	0.00
13.	Travel Adapter USB hub, presenter	23,000.00
14.	Cover for Ultra High Vacuum Chamber	95,000.00
15.	HP Toner Cartridge	5,199.00
16.	WL Keyboard and mouse set	3,000.00
17.	Various Gases	66,700.00
18.	SS 2 stage regulator	18,000.00
19.	Lint freee tissue packet, IPA, Acetone, etc.	30,700.00
20.	Scintillation Tube, etc.	700,000.00
21.	Servicing of Edwarddry scroll vacuup pump	250,000.00
22.	One time service of Thermal Conductivity Analyser	112,690.00
23.	Repairing of MEC	148,860.00
24.	USB Pendrive and cable	12,100.00
25.	AMC of 10KVA online UPS	65,000.00
26.	Refractory Alumina Porous Tube	71,500.00
27.	Spares for Xray Micro CT Model	5,300,000.00
28.	Mass Flow Controller	198,240.00
29.	Canon 054 H Black Cartridge	32,000.00

Miscellaneous Procurement (A&E from CPS Data)

Sl.	Other Equipments	Qty.	Value	Division
1.	Heat sink cooling process module with PLC Display control for Fiber Laser test bed	1.00	7.00	FOPD
2.	Raj Fan Type Direct Evaporative Air Cooler with Air Delivery 5001 to 6000 CMH	1	0.16	Khurja
3.	High End Desktop Computer	1	1.00	Khurja
4.	Height adjustable workstation/ table	1	0.48	Admin
5.	5 Star Wall Mount type Split Air Conditioner of capacity between 1.3 Ton - 1.5 Ton Medium, Inverter, Variable speed, Cooling only, 5 Star	1	0.50	Khurja
6.	Laptop M5 Pro chip with 15-core CPU and 16-core GPU, 24GB unified memory, 1TB SSD	1	2.00	SGD
7.	2 Ton Split type AC Machine	4	3.00	ACCD
8.	Paper Shredder Machine	1	0.25	Admin
9.	String: Complete PLC Module Combination of 8 I/O slots & Battery Fitted , 8 channel mA input module , 4 Channel Isolated in Pairs TC/CJC Module, 2 Channel Isolated DC Output Module two numbers , 16 Channel Digital Input Module, 16 Channel Digital output Module with software and Logical operation uploading	1	12.25	ACCD
10.	Search String: Pyrometer operating range 600OC - 2500OC with suitable mounting fixture for focusing the pyrometer to the hot zone of hot press, Repeatability :	1	8.75	ACCD

	<1 OC, Resolution: 0.1 OC and accuracy Accuracy minimum 0.25%+1°C			
11.	4 Channel Isolated in Pairs TC/CJC Module	1	0.45	ACCD
12.	Vacuum Pressure Transmitter (DP type) – 1No. Range: -1000 mbar to 600 mbar	1	0.65	ACCD
13.	Design fabrication of logical operation modification of existing control panel , repairing refurbishment of cooling system and installation commissioning of PLC and pyrometer for the hot press equipment	1	2.80	ACCD
14.	High Power Multimode Pump Diode Driver	8	6.14	FOPD
15.	Butterfly Type Single Mode Pump Laser Controller	4	3.82	FOPD
16.	High pressure Stainless Steel Flexible tail pipe with bellow & double wire braided for suitable cylinder connection (1 mtr Long)	10	0.53	FOPD
17.	High temperature Pyrometer Water cooling processing setup during MCVD System	1	0.99	FOPD
18.	Planetary Ball Mill, Input Feed size: <10mm ; Output material size: <500nm ; Ball mill speed: 200 -800rpm ; Speed Ratio: 1:2 ; Grinding Jar Volume: 1000ml ; Grinding: dry and wet mode	1	10.00	RTCD
19.	Laptop, M5 chip with 10-core CPU, 10-core GPU, 16-core Neural Engine, 16 GB unified memory, 1TB SSD	1	2.00	SGD