

Procurement List - Consumable Items - for the FY 2026-27 out of CSIR Grant		
Sl. No	Name of the Item	Approx Cost Rs. In Lakhs
1	Batteries	1
2	Sputtering targets	14
3	Silicon Wafers	8
4	Metallography polishing papers, Powders and pastes	2
5	Glassware	5
6	Acids	2
7	Bases	1
8	Organic Solvents	3
9	Gases (Ar, N)	1.5
10	Hydraulic and Vacuum pump oil	1
11	Thermocouples	0.5
12	Workshop Consumables	1
13	SEM Spares such as vibration damper, apertures and aperture clamps	1.8
14	Thermocouples	2
15	Metallography Consumables	0.5
16	Conducting Phenolic powder	0.5
17	Organic Solvents	3
18	Argon and Nitrogen Gases	4
19	Spares for XRD Equipments	1
20	Workshop Consumables	5
21	Spares and consumables for Thermogravimetric Analysis (TGA) Equipment	1
22	Spares and consumables for Dilatometer	2
23	National/International Conference on Structural Health Monitoring	16
24	Spares for Optical and Stereo binocular microscopes	7
25	Methytrichlorosilane	8
26	One-day workshop on Carbon Fibers and Prepregs	5
27	Coating paper- easy release	1.8
28	Coating paper- Medium release	1.8
29	HDPE release film	1
30	TGPAP -25 kg	1.9
31	TGDDM-25kg	3.6
32	TGMAP-15kg	1.8
33	33 DDS-25 kg	1.8
34	44 DDS- 25 kg	1.8
35	Carbon Fiber	11
36	Bobbins	1
37	Consumables for process utilities	5.5

38	Computer consumables	1
39	Other Consumable items	0.7
40	Computer Maintenance Charges	0.2
41	Replacement of spare parts of equipment	0.6
42	Proc. of radome material	10
43	Proc. of substrate laminate	4
44	Computer Consumables	4
45	Other Consumable items	2
46	Computer hire charges	10
47	Procurement of Aircraft materials for coupon level testing	10
48	Testing/Outsourcing charges	3
49	Charges for trainings/workshops/conferences	1
50	Computer accessories	2
51	Evaluation Boards, power supply modules, conversion modules	5
52	Components for testing	3.5
53	Miscellaneous items, wiring accessories for ground station and test rig	3
54	Division ORE	17
55	SW Group Consumables	1.5
56	FMCD group consumables	1
57	ORE (Software Group)	1
58	Chemicals and Consumables	1
59	Cutting tools and Inserts	5
60	Lubricants, Cutting Oil, Hydraulic oils, etc.	2.5
61	DM Water, Hardware, Grinding Wheels, Fasteners, Soldering Wirtes, Brass Wire for W-EDM, Emery Sheets, M-Seal, Araldite, etc.	1.75
62	Compressor servicing, certification and spares	1.5
63	Maintenance of equipments, Overhead cranes & its certification, Machines, Inspection equipments, Calibration and spares	5
64	Chemicals for NDT Lab and Electroplating Section	1.25
65	Safety Equipments	0.75
66	Chemial Analysis, Calibration and Maintenance / spares for Electroplating Lab	1.25
67	Painting consumables	1
68	PU Rubber for Rubber Press	2

69	Punch and Die for Press Brake	1
70	Furnace & Cold Storage calibration	0.75
71	Welding Consumables and Spares	1
72	Computer Consumables	0.5
73	Furnace - Mechanical and COntrOl System Accessories	0.75
74	I4.0 wiring, connectors, converters, consumables	4
75	Installation - Commissioning	26
76	Software/Engineering	15
77	Tools and Spare accessories	2
78	Flight testing consumables	2
79	Other Consumables	1.5
80	Wind Tunnel drive and other machine ma	1.5
81	Hyd Fluid, filters,hoses,O-rings, Seals, end fittings, connectors, Sealants, Adhesives,Primer, paints, Tapes,etc	2
82	Raw materials Sheet metal, Billets,pipes - AL alloy, Steel Sections	5
83	Bearings, Bellows, Fittings, Cables	4
84	Clamps, Clips, Plugs,Caps, Rivets,Bolts, Nuts, Special Fasteners, Drill bits, Reamers	2
85	Telemetry modules(Air unit & Ground unit) Microhard	4.1
86	Autopilot	1.41
87	GPS HERE 4	0.84
88	Transmitter	0.85
89	Miscellaneous accessories	0.015
90	Receiver	0.48
91	8V BEC	0.1
92	3D Printer consumable	0.025
93	Quad propeller set	0.18
94	catridges	2
95	computer peripherals and spares	1
96	Hydraulic Oil	4
97	Steel Fabrication Raw Materials	10
98	Strain Gages, / Sensors (load cell, LVDT, pressure sensor, displacement, temperature etc.)	6
99	Sensor Interconnection Wires	4
100	tools & spares for fabrication	1
101	hydraulic fittings and hoses	1
102	welding electrode, fasteners	1
103	safety gears	1
104	Printer and Plotter Cartridges	8

105	A4 Sheets and Drawing Sheets/Rolls (A0, A3)	3
106	Stationery Items	2
107	Calibration of Equipments	2.5
108	Consumables towards Operational Safety	1.5
109	General Testing Consumables	1.3
110	General Repair / Maintenance and required consumables	1
111	Computer Accessories / Consumables	1
112	Sensors and transducers	6
113	Strain Gauge, Bonding Adhesives, Servicing and calibration of UTM	6
114	Cables, sensors for the testing	2.5
115	Raw materials like prepreg/semipreg/thermoplastic films	15
116	Autoclave Consumables for welding Trials	7
117	Fixtures, rigs	5
118	Computer Consumables i.e SSD, RAM, Mouse and Keyboard	0.72
119	Toner Cartridges	0.4
120	Replacement of Spare Parts of Equipment's	1
121	Computer Consumables	1
122	Other consumables items	1
123	Hydraulic and Gear oil plus consumables	1.2
124	M25 bolts with nuts Length 100mm, gaskets etc	0.8
125	Engine oil and general consumables	1.2
126	replacement of spare parts of equipments and general consumables	3
127	maintenance.of equipment other than computer and consumables	4
128	Replacement of optics of PSP setup and misc items	3

129	FDM-filaments- PLA (5kg), FDM-filaments- CPLA (3kg), LCD 3D printer ABS Resin (5 kg), Araldyte (LY556,HY951,klar etc) IPA liquid and acetone -50ltrs, RPT Machine consumables (smpls, nozzle, extruder, glass bed, PEI sheet, coolant, glue for glass bed, ptfе tube, heat breaker, bed level sensor, etc	2.4
130	Replacement -IV spare part-Base flow facility and general consumables for 1ft tunnel	2.05
131	1.15 MW DC Motor health monitoring labour charges	2.00
132	Procurement of raw material for the test articles	5.00
133	Procurement of raw material for the test rig	5.00
134	Fabrication of the test section candidates, for some preliminary tests	6.00
135	Material procurement combustor fabrications and testing	9.00
136	Consumables for injector and burner testing	4.50
137	Upgradation of annular aero engine combustor	15.00
138	Test Rig components like orifice meter, heater, settling chamber manufacturing	19.50
139	Fabrication of test rig fixtures	5.00
140	Raw materials	7.00
141	Cutting tools, Lubricants, Oils etc.	10.00
142	Machine spares and maintenance	6.00
143	Fasteners, lubricants, tools, chemicals, gaskets, o-rings	5.00
144	Cascade blades, end plates	10.00
145	6" Pipe Line , Flanges/ Bellows in SS	4.20
146	Absolute Pressure Transmitters (0-6 bar a)	3.50
147	SS 316/L Tube	2.80
148	Lab Control Equipment for TERF	7.00
149	Steel Alloy Raw Matl. SS 316L, 17-4 PH etc.	2.80
150	Monel tubes and fittings	3.00
151	K Type and B Type Thermocouple	2.30
152	Drill bits, Adhesive, and Sealants	1.00

153	Compressor and pneumatic system maintenance	2.00
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