

## NPL Project Procurement List 2024-25 as on Jul 01 , 2024

S.No	Item Name	Recurring / Non-Recurring	Project No.	Qty.
1	Exhaust system with hood (For RFB test station)	Recurring	HCP 53	1
2	Sieve for vaccum filtration	Recurring	HCP 53	1
3	Nitrogen gas	Recurring	HCP 53	10
4	Helium gas	Recurring	HCP 53	2
5	Argon gas	Recurring	HCP 53	10
6	Glassy carbon electrodes	Recurring	HCP 53	2
7	Platinum sheet electrodes	Recurring	HCP 53	4
8	Ag/AgCl reference electrode	Recurring	HCP 53	2
9	Connecting cables	Recurring	HCP 53	30
10	ASE 60 thickner	Recurring	HCP 53	50 kgs
11	Zinc Bromide	Recurring	HCP 53	500g
12	Vanadyl sulphate	Recurring	HCP 53	1 kg
13	Sulphuric acid	Recurring	HCP 53	5 lit
14	Anhydrous KBr	Recurring	HCP 53	500 mg
15	Ammonia solution (NH4OH)	Recurring	HCP 53	5 lit
16	Perchloric acid	Recurring	HCP 53	500 ml
17	Potassium dichromate	Recurring	HCP 53	500 mg
18	Ethyl-methylpyrrolidinium bromide	Recurring	HCP 53	10 gm
19	Ethyl-methylmorpholinium bromide	Recurring	HCP 53	10 gm
20	Hexane	Recurring	HCP 53	5 lit
21	Ammonia solution (NH4OH)	Recurring	HCP 53	5 lit
22	5 cell stack for RFB system	Recurring	HCP 53	1
23	Carbon fiber	Recurring	HCP 53	2 kgs
24	Exhaust fan for laboratory	Recurring	HCP 53	1
25	Waxpole	Recurring	HCP 53	10
26	Release paper	Recurring	HCP 53	100
27	Carbon felt	Recurring	HCP 53	1 sq meter
28	Box files	Recurring	HCP 53	10
29	Connectors, Cables, electrical component and other relevant accessories	Recurring	FTT 070507	10
30	Incubator Analyzer	Non-Recurring	FTT 070507	1
31	Neonatal Incubator	Non-Recurring	FTT 070507	1
32	Temperature sensor	Non-Recurring	FTT 070507	1
33	Hygrometer	Non-Recurring	FTT 070507	1
34	anemometer	Non-Recurring	FTT 070507	1
35	Dry well	Non-Recurring	FTT 070507	1
36	Humidity Chamber	Non-Recurring	FTT 070507	1
37	Sound Calibrator	Non-Recurring	FTT 070507	1
38	Wind tunnel	Non-Recurring	FTT 070507	1
39	Anti-Vibration Table	Non-Recurring	FTT 070507	1
40	Humidifier with dry air controller	Non-Recurring	MLP 201232	1 no.
41	Sheffield Head with sensors	Non-Recurring	MLP 201232	1 set
42	IR Thermal Imager	Non-Recurring	MLP 201232	01 nos

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43	Nitrogen Gas regulator	Recurring	MLP 201232	2 nos.
44	Pushfit connectors, pneumatic tubes etc of different sizes	Recurring	MLP 201232	1 set
45	Mask Sample Holders	Recurring	MLP 201232	8 nos.
46	Pneumatic pipes, fittings, pushfits etc. of different sizes	Recurring	MLP 201232	1 set
47	Integrating Nephelometer	Non-Recurring	FTT 050502	1
48	Optical Particle Counter	Non-Recurring	FTT 050502	1
49	Tethered Balloon Kit	Non-Recurring	FTT 050502	1
50	Light Weight PM Sampler	Non-Recurring	FTT 050502	2
51	Denuder	Non-Recurring	FTT 050502	1
52	Connectors, Cables and other relevant accessories	Recurring	OLP 236132	10
53	Chemicals, metals, reagents, solvents and other consumables	Recurring	GAP 200332	As per requirement
54	Glass apparatus, Distillation sets	Recurring	GAP 200332	As per requirement
55	Gas, Laboratory Items	Recurring	GAP 200332	As per requirement
56	Chem draw, Scientific software, etc	Recurring	GAP 200332	As per requirement
57	Repair of instrument/ computer/ printer, UPS, etc	Recurring	GAP 200332	As per requirement
58	Electronic components, microprocessor, controller, sensor, camcorder, lens, switch, electronic circuit, electronic and electrical component etc	Recurring	HCP 52	As per requirement
59	High purity Chemicals like, acids, salts, glucose, hydrocarbons, reagents, enzymes, glucose, carbohydrates etc.	Recurring	HCP 52	As per requirement
60	MATLAB software, pdf writer, office 360, heat wave simulation software, anti virus etc	Recurring	HCP 52	As per requirement
61	Normal purity Chemicals like, acids, salts, glucose, hydrocarbons, reagents, enzymes, glucose, carbohydrates etc.	Recurring	HCP 52	As per requirement
62	Data acquisition system	Non-Recurring	HCP 52	1
63	Dry Vacuum Pump	Non-Recurring	GAP 230932	1
64	Dry Scroll Vacuum Pump	Non-Recurring	GAP 230932	1
65	Continuous optical source with wavelength control 200nm-1100nm	Recurring	GAP 230932	1
66	High Precision Probe with temperature control stage	Recurring	GAP 230932	1
67	Neutral Density Filter	Recurring	GAP 230932	1
68	Substrates (Si)	Recurring	GAP 230932	1
69	Temperature Controller with software	Recurring	GAP 230932	1
70	Vernier caliper	Recurring	GAP 230332	1
71	Rotameter	Recurring	GAP 230332	2
72	Melt pump heater	Recurring	GAP 230332	10

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73	Graphite ring	Recurring	GAP 230332	10
74	Nickel nitrate hexahydrate, 100 g	Recurring	GAP 230332	1
75	Cobalt acetate tetra hydrate, 100 g	Recurring	GAP 230332	1
76	Cobalt nitrate nonahydrate, 100 g	Recurring	GAP 230332	1
77	Thiophene, 1 L	Recurring	GAP 230332	1
78	Tetrahydronaphthalene, 4 L	Recurring	GAP 230332	5
79	Decalin, 4 L	Recurring	GAP 230332	1
80	Toluene	Recurring	GAP 230332	1
81	N-Hexane, 2.5 L	Recurring	GAP 230332	5
82	Petroleum ether, 2.5 L	Recurring	GAP 230332	5
83	Molybdeum sulfide, 100 g	Recurring	GAP 230332	1
84	Nitric acid	Recurring	GAP 230332	4
85	Sodium sulfate	Recurring	GAP 230332	1
86	Acetone, 2.5 L	Recurring	GAP 230332	10
87	Triethylenetetramine (TETA)	Recurring	GAP 230332	2 kg
88	Epoxy resin	Recurring	GAP 230332	20 kg
89	N-Methyl-2-pyrrolidone	Recurring	GAP 230332	1
90	Impregnating coal tar pitch	Recurring	GAP 230332	400 Kg
91	Polypropylene (PP)	Recurring	GAP 230332	50 kg
92	Hand grinder	Recurring	GAP 230332	1
93	MALDI-TOF mass spectrometer characterization	Recurring	GAP 230332	20
94	NMR testing	Recurring	GAP 230332	10
95	Elemental analysis (CHNS)	Recurring	GAP 230332	20
96	Wrench set	Recurring	GAP 230332	2
97	Pestle mortar	Recurring	GAP 230332	2
98	Screw driver set	Recurring	GAP 230332	1
99	Allen key set	Recurring	GAP 230332	2
100	Lab coat	Recurring	GAP 230332	10
101	HR-TEM grid	Recurring	GAP 230332	1 pack
102	Nickel foam	Recurring	GAP 230332	1
103	Reference electrode (SCE)	Recurring	GAP 230332	1
104	Emery paper of different grades	Recurring	GAP 230332	100 each
105	Cross-spin magnetic stirrer bar	Recurring	GAP 230332	1 set
106	Nitrile Gloves (Purple superior quality)	Recurring	GAP 230332	10
107	Glass assembly	Recurring	GAP 230332	1
108	Filtering flask assembly	Recurring	GAP 230332	1
109	Carboy HDPE, 50 L	Recurring	GAP 230332	1
110	Silicon pipe	Recurring	GAP 230332	10 m
111	Vacuum tubing	Recurring	GAP 230332	3 m
112	Pneumatic air tubing pipe	Recurring	GAP 230332	20 m
113	Water pipe	Recurring	GAP 230332	20 m
114	Plastic boxes (Large)	Recurring	GAP 230332	50
115	Nitrogen gas (Refilling)	Recurring	GAP 230332	20
116	Air gas (Refilling)	Recurring	GAP 230332	10
117	Repairing of UPS	Recurring	GAP 230332	1

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118	Fabrication of die mould	Recurring	GAP 230332	1
119	PVDF	Recurring	GAP 230332	1 kg
120	Waxpol	Recurring	GAP 230332	10
121	Softening point apparatus	Non-Recurring	GAP 230332	1
122	Optical microscope	Non-Recurring	GAP 230332	1
123	Polishing machine	Non-Recurring	GAP 230332	1
124	Oxidation oven	Non-Recurring	GAP 230332	1
125	Carbonization furnace	Non-Recurring	GAP 230332	1
126	Upgradation in existing melt-spinning assembly	Non-Recurring	GAP 230332	1
127	Minor equipments, its accessories and installation	Non-Recurring	GAP 230332	As per Req.
128	Sound Level Analyzer	Non-Recurring	NWP 100	1
129	Multifucntion Sound Calibrator	Non-Recurring	NWP 100	1
130	Hydraulic Pressure Gauge	Non-Recurring	NWP 100	1
131	Printer (Multi Function),	Non-Recurring	NWP 100	2
132	Check Master	Non-Recurring	NWP 100	1
133	Muffle Furnance	Non-Recurring	NWP 100	1
134	Charges for repair/upgradation of SRP43/SRI, SRP/SRI transportation charges, custom duty, and GST charges	Recurring	OLP 235932	As per requiremnt
135	Accessories and spare parts for Zero air generator	Recurring	OLP 235932	As per requiremnt
136	Miscellaneous items for Primary Oozne Standard facility	Recurring	OLP 235932	As per requiremnt
137	Digital Barometer	Non-Recurring	OLP 235932	1
138	Digital temperature and humidity meter	Non-Recurring	OLP 235932	1
139	Dehumidifier	Non-Recurring	OLP 235932	1
140	Digital Multimeter	Non-Recurring	OLP 235932	1
141	Oxygen gas cylinder	Recurring	GAP 230832	5
142	Nitrogen gas cylinder	Recurring	GAP 230832	2
143	Copper powder	Recurring	GAP 230832	3
144	Selenium powder	Recurring	GAP 230832	1
145	Magnesium powder	Recurring	GAP 230832	2
146	Antimony powder	Recurring	GAP 230832	4
147	Silver powder	Recurring	GAP 230832	4
148	Repair of furnace	Recurring	GAP 230832	1
149	Printer cartridge 88A, 30A and others	Recurring	GAP 230832	12
150	External CD writer	Recurring	GAP 230832	1
151	Anti-virus	Recurring	GAP 230832	1
152	Hard disk	Recurring	GAP 230832	3
153	Pen Drive 64 GB	Recurring	GAP 230832	5
154	Stationary items	Recurring	GAP 230832	As Per Req.
155	Tissue Paper	Recurring	GAP 230832	As Per Req.
156	Office furniture	Recurring	GAP 230832	As Per Req.

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157	Office miscellaneous items	Recurring	GAP 230832	1
158	Rewritable CD/DVD	Recurring	GAP 230832	200
159	Repair-miscellaneous	Recurring	GAP 230832	As Per Req.
160	Miscellaneous items	Recurring	GAP 230832	As Per Req.
161	Glassware	Recurring	GAP 230832	As Per Req.
162	Office softwares	Recurring	GAP 230832	As Per Req.
163	Tin shot	Recurring	GAP 230832	100gm
164	Selenium shot	Recurring	GAP 230832	50gm
165	Carbon activated	Recurring	GAP 230832	500gm
166	Sodium	Recurring	GAP 230832	450gm
167	Copper shot	Recurring	GAP 230832	50gm
168	Sulfur	Recurring	GAP 230832	10gm
169	Tellurium	Recurring	GAP 230832	500gm
170	Lead shot	Recurring	GAP 230832	100gm
171	Antimony shot	Recurring	GAP 230832	50gm
172	Quartz tube	Recurring	GAP 230832	As Per Req.
173	TEM Grid	Recurring	GAP 230832	As Per Req.
174	Graphite	Recurring	GAP 230832	As Per Req.
175	Alumina paste	Recurring	GAP 230832	100gm
176	Crucible	Recurring	GAP 230832	As Per Req.
177	Vernier Calliper	Recurring	GAP 230832	2
178	Mortar Pestle	Recurring	GAP 230832	2
179	Power supply	Non-Recurring	GAP 231232	1
180	Chamber	Non-Recurring	GAP 231232	1
181	Sputter guns	Non-Recurring	GAP 231232	2
182	Vacuum pumps	Non-Recurring	GAP 231232	1
183	Refrigerator/thermal staeg (80-730K)	Recurring	GAP 231232	1
184	modification of humity chamber	Recurring	GAP 231232	1
185	fabrication of customized electrical cabinet	Recurring	GAP 231232	as per requierment
186	gases	Recurring	GAP 231232	as per requierment
187	Insulating sheets	Recurring	GAP 231232	as per requierment
188	Repair of Power supplies	Recurring	GAP 231232	2
189	Refilling of precursor bottles/cylinders	Recurring	GAP 231232	2
190	gas line cabinet	Recurring	GAP 231232	1
191	UPS repairs	Recurring	GAP 231232	2
192	Repair of refrigerator/thermal staeg (80-730K)	Recurring	GAP 231232	2
193	IR lamps	Recurring	GAP 231232	25
194	Fabrication of 6" Magnetron	Recurring	GAP 231232	2
195	Fabriation of 4" to 6" adapter with ISO flanges	Recurring	GAP 231232	1
196	Sun attenuator	Recurring	GAP 231232	1
197	Fabrication of RF compatible heater	Recurring	GAP 231232	1
198	repair of compressors/dry air generators	Recurring	GAP 231232	2
199	Computer accessories (mother boards, mouse, keyboards, etc)	Recurring	GAP 231232	as per requierment
200	fabrication of gas cabinet	Recurring	GAP 231232	as per requierment

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201	bus-bar assembly for solar simulator	Recurring	GAP 231232	1
202	Fabrication of housing for degradation of cell (water cooled)	Recurring	GAP 231232	1
203	Upgradation of Chamber for water cooling with collar	Recurring	GAP 231232	1
204	sputtering targets (Oxides)	Recurring	GAP 231232	as per requirement
205	Repair of lifetime system,mPCD	Recurring	GAP 231232	1
206	Repair of EL system (MBJ)	Recurring	GAP 231232	1
207	Custom design and fabrication of 6" adapter for ISO to CF	Recurring	GAP 231232	1
208	Miscellaneous (vacuum components, electrical, valves and vacuum gauges, valves, needles silicon wafers etc.)	Recurring	GAP 231232	as per requirement
209	Replacement of Batteries	Recurring	GAP 231232	50
210	fabrication of frame	Recurring	GAP 231232	1
211	PU tubing accessories	Recurring	GAP 231232	as per requirement
212	hoses and fittings	Recurring	GAP 231232	as per requirement
213	water manifolds	Recurring	GAP 231232	as per requirement
214	Silicon wafers of different doping, sizes	Recurring	GAP 230632	as per requirement
215	Such as acetone, IPA, HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , AgNO <sub>3</sub> , H <sub>2</sub> O <sub>2</sub> , KOH, Ag wires, any other required other chemicals, etc.	Recurring	GAP 230632	as per requirement
216	Various glasswares and polypropylene based items such as Borosil beakers of different volumes, petri dishes, etc.	Recurring	GAP 230632	as per requirement
217	Nitrile gloves of (medium, small and large sizes), filter papers, Kimwipes lint free papers, Teflon made wares, etc.	Recurring	GAP 230632	as per requirement
218	DI water plant spares/consumables such cartridges, any other accessories, etc.	Recurring	GAP 230632	as per requirement
219	Repair/maintenance of existing spin coating unit, thermal evaporation system, any other unforeseen items/repair such as chiller, etc.	Recurring	GAP 230632	as per requirement
220	Spares of SR –IV system such as lamp, battery of UPS, any other electronic components, repair, etc.	Recurring	GAP 230632	as per requirement
221	Making of metal masks for metal electrode deposition	Recurring	GAP 230632	as per requirement
222	Printer Cartridges, pen drives, CDs, Stationary items, SSDs, files, folders, etc.	Recurring	GAP 230632	as per requirement
223	Cables, Connectors, RF distribution boards, Electronic boards and accessories	Recurring	GAP 150132	As per Requirement
224	GNSS receiver with accessories	Non-Recurring	GAP 150132	2
225	Tool Kit and Ratchet set	Recurring	TSP 180932	6

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226	Crimping Tool for RG316, RG223/U	Recurring	TSP 180932	6
227	Crimping Tool for LMR400.	Recurring	TSP 180932	6
228	Crimping Tool for RJ45	Recurring	TSP 180932	6
229	Hot Blower	Recurring	TSP 180932	6
230	Power Extension Board (min. 5 socket)	Recurring	TSP 180932	15
231	RG223/U RF cable (m)	Recurring	TSP 180932	2800
232	RG316 RF Cable (m)	Recurring	TSP 180932	1600
233	LMR400 Cable (m)	Recurring	TSP 180932	1650
234	BNC Connectors for RG223	Recurring	TSP 180932	820
235	BNC Connectors for RG316	Recurring	TSP 180932	575
236	N type Connectors for RG223	Recurring	TSP 180932	125
237	N type Connectors for LMR400	Recurring	TSP 180932	90
238	BNC Female to BNC Female Adapters	Recurring	TSP 180932	85
239	N-female to N –female adapter	Recurring	TSP 180932	85
240	SMA female to SMA female adapter	Recurring	TSP 180932	85
241	N-male to BNC Female adapter	Recurring	TSP 180932	85
242	N-male to BNC male adapter	Recurring	TSP 180932	85
243	BNC male to N –female adapter	Recurring	TSP 180932	85
244	SMA male to BNC female adapter	Recurring	TSP 180932	85
245	3-dB splitters (BNC)	Recurring	TSP 180932	75
246	3-dB Attenuators	Recurring	TSP 180932	40
247	Terminator (50 Ohm BNC)	Recurring	TSP 180932	160
248	LAN Cables (2 m)	Recurring	TSP 180932	145
249	LAN Cables (3 m)	Recurring	TSP 180932	350
250	LAN Cables (5 m)	Recurring	TSP 180932	350
251	LAN Cables (10 m)	Recurring	TSP 180932	115
252	Cat6 UTP Cable Roll (m)	Recurring	TSP 180932	430
253	RJ45 connectors	Recurring	TSP 180932	340
254	RS232 3 core shielded Cable Roll (m)	Recurring	TSP 180932	1025
255	Serial Connectors (DB9 Male)	Recurring	TSP 180932	420
256	Serial Connectors (DB9 Female)	Recurring	TSP 180932	420
257	Dust cap (Hood) DB9	Recurring	TSP 180932	840
258	H/S sleeve (8mm) (m)	Recurring	TSP 180932	115
259	H/S sleeve (3 or 4mm) (m)	Recurring	TSP 180932	115
260	H/S sleeve (1.5 or 2mm) (m)	Recurring	TSP 180932	115
261	Grounding Wire (Yellow or Green) 4sq m	Recurring	TSP 180932	75
262	Round lug for grounding wire (M6)Nos	Recurring	TSP 180932	850
263	AT-1 carrier strip (Packets)	Recurring	TSP 180932	75
264	H/S sleeve (Transparent) 7mm/8mm (m)	Recurring	TSP 180932	115
265	Cable tie (100mm) (packets)	Recurring	TSP 180932	75
266	Cable tie (200mm) (packets)	Recurring	TSP 180932	75
267	Cable tie (300mm) (packets)	Recurring	TSP 180932	45

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268	SMA Connectors for RG223	Recurring	TSP 180932	390
269	SMA Connectors for RG316	Recurring	TSP 180932	555
270	TNC type connector for RG223	Recurring	TSP 180932	55
271	TNC type connector for LMR400	Recurring	TSP 180932	90
272	TNC type connector for RG316	Recurring	TSP 180932	45
273	BNC-female to TNC-male	Recurring	TSP 180932	80
274	SMA-female to TNC-male	Recurring	TSP 180932	80
275	Power cords(Nos)	Recurring	TSP 180932	70
276	Operating system (Win-10 Professional, 64 bit)	Recurring	TSP 180932	6
277	Antivirus 3yrs Lic	Recurring	TSP 180932	30
278	MS Office 2019	Recurring	TSP 180932	30
279	Mouse USB	Recurring	TSP 180932	60
280	Keyboard USB	Recurring	TSP 180932	30
281	Pen drives (3.0) 32 GB	Recurring	TSP 180932	60
282	USB HARD DISK Drive (3.0) 2TB	Recurring	TSP 180932	12
283	Wireless USB Dongle	Recurring	TSP 180932	30
284	LAN Tester	Recurring	TSP 180932	12
285	Screw Driver Set (PC, Workstn)	Recurring	TSP 180932	12
286	USB to HDMI Cables	Recurring	TSP 180932	30
287	HDMI to HDMI Cables	Recurring	TSP 180932	12
288	Mouse PADS Anti Static	Recurring	TSP 180932	60
289	Laboratory Job work: 1. Building Management	Recurring	TSP 180932	As per Req
290	Maintenance of Equipment: AMC for UPS /AC / Generator/ Data logger/ CCD camera / other accessories	Recurring	TSP 180932	10
291	Audio-visual and Meeting expenses	Recurring	TSP 180932	10
292	Computer Software: 1. Antivirus 2. PTP, NTP and NMS 3. Word processing 4. Any other software	Recurring	TSP 180932	10
293	Computer and Printer Consumables	Recurring	TSP 180932	20
294	RF cables, connectors and consumables	Recurring	TSP 180932	20
295	Optical Fiber, connectors, and accessories	Recurring	TSP 180932	10
296	Stationary, Staplers, label printer, and other minor components & items	Recurring	TSP 180932	20
297	Video Conferencing accessories	Recurring	TSP 180932	10
298	Battery and Electrical & Electronic accessories	Recurring	TSP 180932	20
299	Replacement of Spare part of equipment	Recurring	TSP 180932	2
300	Other consumable items	Recurring	TSP 180932	10
301	Charges relating to organization of Meetings/ Seminars/ Workshops/ Conference / Training	Recurring	TSP 180932	As per Req
302	Training at ISRO for Project Team and temporary staff	Recurring	TSP 180932	As per Req

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303	Registration and Training fee of Project Team and temporary staff	Recurring	TSP 180932	As per Req
304	Job work	Recurring	TSP 180932	As per Req
305	License (including satellite license) and fees (IP / internet address charges)	Recurring	TSP 180932	As per Req
306	Honorarium to consultants, experts and TSC members	Recurring	TSP 180932	As per Req
307	Job work of Printing of Reports, Tenders, Advertisements, etc	Recurring	TSP 180932	As per Req
308	Transportation of equipment from ISRO to RRSLs	Recurring	TSP 180932	As per Req
309	Poster Printing charges/ exhibition arrangements	Recurring	TSP 180932	As per Req
310	Internet / Telephone / Transponder charges	Recurring	TSP 180932	As per Req
311	Web charges and Software development fee	Recurring	TSP 180932	As per Req
312	Books and Standards	Recurring	TSP 180932	As per Req
313	Stationary	Recurring	TSP 180932	As per Req
314	Printing charges	Recurring	TSP 180932	As per Req
315	Administrative charges for Meetings/ Seminars/ Workshops/ Conference	Recurring	TSP 180932	As per Req
316	Training of Project Staff	Recurring	TSP 180932	As per Req
317	Contract Staff (Five Skilled/ Semi Skilled and Two retired employees)	Recurring	TSP 180932	As per Req
318	Payment to Daily/Monthly wager	Recurring	TSP 180932	As per Req
319	Postage and Courier charges	Recurring	TSP 180932	As per Req
320	Canteen and food expenses	Recurring	TSP 180932	As per Req
321	Hot and Cold charges	Recurring	TSP 180932	As per Req
322	Legal expenses/ fee to consultants, auditor and	Recurring	TSP 180932	As per Req
323	Periodicals and books	Recurring	TSP 180932	As per Req
324	Office furnishings, curtains and related repairs	Recurring	TSP 180932	As per Req
325	Furniture repairs and maintenance	Recurring	TSP 180932	As per Req
326	Guest house charges including food charges	Recurring	TSP 180932	As per Req
327	Maintenance of office equipment	Recurring	TSP 180932	As per Req
328	Miscellaneous and unforeseen	Recurring	TSP 180932	As per Req
329	Furniture for traceability Lab	Non-Recurring	TSP 180932	As per Req
330	Antenna control unit	Non-Recurring	TSP 180932	1
331	Works and services for IT	Non-Recurring	TSP 180932	As per Req
332	Furniture for RRSLs and DRC	Non-Recurring	TSP 180932	As per Req
333	TWSTFT equipment	Non-Recurring	TSP 180932	1
334	AC systems	Non-Recurring	TSP 180932	As per Req
335	TV /Big Displays	Non-Recurring	TSP 180932	As per Req
336	Multifunctional Printers	Non-Recurring	TSP 180932	10
337	Office Computers	Non-Recurring	TSP 180932	20

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338	Electronic consumables (components, boards, etc)	Recurring	GAP 230732	As per Req
339	RF cables: RG223, RG174	Recurring	GAP 230732	50 m each
340	Connectors: SMA for RG 223, BNC for RG174,	Recurring	GAP 230732	20 nos each
341	Adaptors: SMA F to BNC M, N F to BNC M, N F to SMA M, TNC M to N F	Recurring	GAP 230732	10 nos each
342	Optical fiber & consumables	Recurring	GAP 230732	As per Req
343	Consumables for optical fiber link (electronic components, Optical components, fiber connectors, SFP etc.,)	Recurring	GAP 230732	As per Req
344	GNSS signal splitter 1:4	Recurring	GAP 230732	1
345	SMPS 12V	Recurring	GAP 230732	2
346	Network Switch	Recurring	GAP 230732	2
347	IP address pool	Recurring	GAP 230732	1
348	Other consumables	Recurring	GAP 230732	As per Req
349	Other Research Expenditure (ORE)	Recurring	GAP 230732	As per Req
350	Service charges / Job work for development of software	Recurring	GAP 230732	As per Req
351	Service charges / Job work for development of remote file system (RFS) for exchange of data between multiple clients and NPL.	Recurring	GAP 230732	As per Req
352	Contingency	Recurring	GAP 230732	As per Req
353	API publication charges at NIC API Exchange Platform (NAPIX).	Recurring	GAP 230732	As per Req
354	Broadband charges	Recurring	GAP 230732	As per Req
355	Printer Cartridges and Stationery	Recurring	GAP 230732	As per Req
356	Miscellaneous and Unforeseen	Recurring	GAP 230732	As per Req
357	Rubidium frequency Standard	Non-Recurring	GAP 230732	2
358	Time Interval Counter	Non-Recurring	GAP 230732	3
359	GNSS receiver with Antenna & cable	Non-Recurring	GAP 230732	2
360	Work station	Non-Recurring	GAP 230732	2
361	Kernel Virtual Machine	Non-Recurring	GAP 230732	2
362	White Rabbit Len Standalone kit	Non-Recurring	GAP 230732	2
363	Refilling of argon gas cylinders	Recurring	MLP 231832	30
364	Refilling of Hydrogen gas cylinders	Recurring	MLP 231832	10
365	Repairing of Oven	Recurring	MLP 231832	2
366	Testing of samples	Recurring	MLP 231832	As per requirement
367	Glass fiber cloth	Recurring	MLP 231832	20 square meter
368	Fabrication of CNT film collection assembly	Recurring	MLP 231832	One
369	Furance heating rods	Recurring	MLP 231832	6 Nos
370	Alumina reactor	Recurring	MLP 231832	1 No
371	ASE Surfactant	Recurring	MLP 231832	10 liter
372	N,N- Di methyl formamide	Recurring	MLP 231832	20 liter

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## NPL Project Procurement List 2024-25 as on Jul 01 , 2024

373	Toluene	Recurring	MLP 231832	15 liter
374	Syringes	Recurring	MLP 231832	100
375	Ethylene diamine	Recurring	MLP 231832	2.5 liter
376	Ethane 1,2-dithiol	Recurring	MLP 231832	500 ml
377	Multimeter	Recurring	MLP 231832	2Nos
378	Glass woolen	Recurring	MLP 231832	As per requirement
379	Repairing of furnace	Recurring	MLP 231832	One Nos
380	Buffing Wheel, Cutter	Recurring	MLP 231832	As per requirement
381	Fabrication of vacuum filtration unit	Recurring	MLP 231832	One
382	Thermocouples	Recurring	MLP 231832	4 Nos
383	Poly(dimethylsiloxane)	Recurring	MLP 231832	1 unit
384	Epoxy and Hardener	Recurring	MLP 231832	As per requirement
385	Cutting of samples	Recurring	MLP 231832	As per requirement
386	Control and safety valves for CVD system	Recurring	MLP 231832	
387	Silicon O-rings	Recurring	MLP 231832	As per requirement
388	Temperature indicator	Recurring	MLP 231832	3 Nos
389	Thiophene	Recurring	MLP 231832	1 liter
390	Ammonia	Recurring	MLP 231832	2 liter
391	Membrane filter	Recurring	MLP 231832	One packet
392	Mica Sheet	Recurring	MLP 231832	As per requirement
393	Twizers	Recurring	MLP 231832	One set
394	Waxpol	Recurring	MLP 231832	20 Nos
395	Hand grinder	Recurring	MLP 231832	1
396	CD	Recurring	MLP 231832	100 Nos
397	Decaline	Recurring	MLP 231832	4 liter
398	Stainless steel fin mesh	Recurring	MLP 231832	As per requirement
399	Hydrofloric acid	Recurring	MLP 231832	2 liter
400	Release paper	Recurring	MLP 231832	100 unit
401	Silicon cork	Recurring	MLP 231832	50 Nos
402	Polyurethane	Recurring	MLP 231832	1 bag
403	Nylon, PTFE cloth	Recurring	MLP 231832	As per requirement
404	CNT cleaning brush	Recurring	MLP 231832	10 Nos
405	Miscellaneous - Emergent chemical, urgent repairing, batteries, minor fabrication or job work, stationary, etc	Recurring	MLP 231832	As per requirement
406	Customized Optics including cross correlator	Recurring	MMP 015201	1
407	Dual Frequency Comb Based THz Comb. Consisting of : optical Frequency Comb (02) with THz emitter and detectors: ORS-Mini Ultrastable Laser System Beat Detection unit-02 Customized electronics module including THz emitters, Detectors,	Non-Recurring	MMP 015201	2,1,2,1
408	2.4mm (Female) to Type N (Male)	Recurring	OLP 236432	1
409	2.4mm (Male) to Type N (Female) connector	Recurring	OLP 236432	1

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## NPL Project Procurement List 2024-25 as on Jul 01 , 2024

410	Type N (Female) to Type N (Male) connector	Recurring	OLP 236432	1
411	Type N (Male) to BNC (Female) connector	Recurring	OLP 236432	1
412	Standard Attenuators (N-Type)	Recurring	OLP 236432	1
413	Power Sensor cable	Recurring	OLP 236432	1
414	Pens, Notebooks, Measuring Tapes, Adhesives, Folders, Ink, Envelopes, Stickers, Markers, Chalk, A4 Sheets (200-300 gsm). A4 sheets (70- 100 gsm), Chalk Board etc	Recurring	HCP 0101	As Req.
415	Color Ink & Cartridge for Printer	Recurring	HCP 0101	As Req.
416	Repair of computers, smart boards, chair, tables etc	Recurring	HCP 0101	As Req.
417	Software for quiz creation, mentimeter etc	Recurring	HCP 0101	As Req.
418	Refreshments, Honorarium, Prize: Books, Educational Kits for students, Guest House Accommodation etc	Recurring	HCP 0101	As Req.
419	Gas line fittings for experiment demonstration purpose	Recurring	HCP 0101	As Req.
420	Optics, Electronics etc components, Chemicals	Recurring	HCP 0101	As Req.
421	Civil and Electrical work for maintaining class rooms & Jigyasa Lab	Non-Recurring	HCP 0101	As Req.
422	Laser interferometer	Non-Recurring	TSP 231232	5
423	Mechanical Bed*	Non-Recurring	TSP 231232	6
424	Microscopic High Resolution Camera and related accessories	Non-Recurring	TSP 231232	5
425	Laptop / Desktop / laser printer with Dual Monitor	Non-Recurring	TSP 231232	5
426	Optics, Mirrors, Mounts, base, base plate, Beam splitters, Lenses, Wires, connecting cables, Electronic components, PZT, Soldering Iron, Multimeter, various connectors, Cartridges etc.	Recurring	TSP 231232	1
427	Lab consumables, muslin cloth, WD 40, extension boards, Teflon tape, scotch tape, lab slippers etc.)	Recurring	TSP 231232	As Req.
428	Chemicals: cleaning reagents, (isopropyl alcohol, ethanol, methyl alcohol, Acetone etc. Cleaning Tisstue papers	Recurring	TSP 231232	As Req.
429	Stationary items: Box files, ring folder, A4 size papers etc.	Recurring	TSP 231232	As Req.
430	Repairing of softening point equipment	Recurring	GAP 230332	1
431	Repairing of fume hood	Recurring	GAP 230332	1
432	Repairing of furnace	Recurring	GAP 230332	3

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## NPL Project Procurement List 2024-25 as on Jul 01 , 2024

433	UPS system and batteries	Non-Recurring	TSP 180932	As per Req.
434	Ultra precision capacitance bridge	Non-Recurring	OLP 236632	1
435	Conductivity Meter	Non-Recurring	GAP 240332	1
436	DC Power Supply (10 A)	Non-Recurring	GAP 240332	1
437	Digital overhead stirrer	Non-Recurring	GAP 240332	1
438	Digital hot plate stirrer	Non-Recurring	GAP 240332	1
439	Waterbath with circulator	Non-Recurring	GAP 240332	1
440	Syringe filter, zip lock etc.	Recurring	GAP 240332	1
441	Sulphuric Acid, Hexamethylenetetramine (HMTA), n-heptane, tri-iso-amyl phosphate (TiAP), tri-n-butyl phosphate (TBP), n-Dodecane (n-DD)	Recurring	GAP 240332	1
442	Mass comparator, 200 g, 1 micro gram	Non-Recurring	GAP 240232	1
443	Rheometer Testing Facility for viscosity measurements	Non-Recurring	GAP 240232	1
444	Absolute Gravimeter Testing Facility	Non-Recurring	GAP 240232	1
445	Refractive Index Testing Facility	Non-Recurring	GAP 240232	1
446	Guarded Hot plate Testing Facility	Non-Recurring	GAP 240232	1
447	Moisture Testing Facility (Moisture Analyzer & Forced convection oven)	Non-Recurring	GAP 240232	1
448	Clinical thermometer Testing Apparatus	Non-Recurring	GAP 240232	1
449	Power Supply (AC)	Non-Recurring	GAP 240232	2
450	Photo current meter	Non-Recurring	GAP 240232	1
451	Luminance Meter	Non-Recurring	GAP 240232	1
452	Brinell Hardness Testing Machine	Non-Recurring	GAP 240232	1
453	Optical based Low Force sensor as a new facility;Electro-optical components	Non-Recurring	GAP 240232	1
454	Ultrasonic Pulse Velocity Tester with suitable transducers	Non-Recurring	GAP 240232	1
455	Phased array Ultrasonic Flaw Detector Testing Facility	Non-Recurring	GAP 240232	1
456	Up-gradation of Microphone Calibration Facility using Insert Voltage method in range 20 Hz to 25 kHz	Non-Recurring	GAP 240232	1
457	Up-gradation of Acoustic Free-Field Calibration and Testing facility in frequency range of 125 Hz to 20 kHz	Non-Recurring	GAP 240232	1
458	PVTt standard (primary gas flow standard)	Non-Recurring	GAP 240232	1
459	Electrometer	Non-Recurring	MLP 231932	1
460	Aethalometer	Non-Recurring	GAP 161632	1
461	Nephelometer	Non-Recurring	GAP 161632	1
462	PVDF SYRINGE FILTER, 0.45 UM, 25 MM	Recurring	GAP 161632	2 pkt
463	NYLON SYRINGE FILTER, 0.22 UM, 13 MM	Recurring	GAP 161632	5 pkt
464	Gas Chromatograph	Non-Recurring	GAP 114732	1
465	Water bath with shaker	Non-Recurring	GAP 114732	1

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## NPL Project Procurement List 2024-25 as on Jul 01 , 2024

466	PM2.5 Sampler	Non-Recurring	GAP 114732	1
467	PM1.0 Sampler	Non-Recurring	GAP 114732	1
468	H2 Gas (GC)	Recurring	GAP 114732	15
469	H2 Gas (NMHC)	Recurring	GAP 114732	10
470	Zero Gas (GC)	Recurring	GAP 114732	25
471	Zero Gas (TOC)	Recurring	GAP 114732	5
472	N2 Gas (High purity)	Recurring	GAP 114732	3
473	N2 Gas (GC) Rinsing	Recurring	GAP 114732	10
474	N2 Gas (IC)	Recurring	GAP 114732	15
475	Gas Regulator (For N2 gas)	Recurring	GAP 114732	1
476	GLASS CUVETTE FOR UV-VIS SPECTROPHOTOMETER (SIZE- 2ML)	Recurring	GAP 114732	4
477	POTASSIUM PHOSPHATE DIBASIC	Recurring	GAP 114732	4
478	POTASSIUM PHOSPHATE MONOBASIC	Recurring	GAP 114732	4
479	DL-DITHIOTHREITOL(DTT) SOLUTION	Recurring	GAP 114732	40
480	5-5 DITHIOBASIC (2-NITROBENZOIC ACID)	Recurring	GAP 114732	40
481	9,10-PHENANTHREQUINONE	Recurring	GAP 114732	20
482	SODIUM HYDROXIDE- EXTRA PURE 50% WEIGHT SOLUTION IN WATER	Recurring	GAP 114732	5
483	METHANE SULPHONIC ACID (MSA), M.W. 96.10	Recurring	GAP 114732	5
484	Petri dish- 90*14 mm- 450 per pack	Recurring	GAP 114732	4
485	Petri dish- 140*16 mm- 136 per pack	Recurring	GAP 114732	3
486	VOC standard (25 species)	Recurring	GAP 114732	1
487	CHASSIS ASSY-NETLINK BOX	Recurring	GAP 114732	1
488	Detector for MIR9000	Recurring	GAP 114732	1
489	TISSUE QUARTZ 25 MM	Recurring	GAP 114732	10
490	N2 Gas	Recurring	GAP 210232	50
491	Gas Flow meter	Recurring	GAP 210232	10
492	6V DC pump	Recurring	GAP 210232	5

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## NPL Project Procurement List 2024-25 as on Jul 01 , 2024

493	Consumables of Ion Chromatograph ( KIT, PCB, MTR CNTRL/AUX for IC Auto Sampler SP PROD, MEM, ASRS 300,4MM SP PROD, MEM, CSRS 300,4MM PROD, COL, IP, CS17,4X250MM PROD, COL, IP, CG17,4X50MM Dionex Combined Six Cation Std-II, 50mL Dionex Combined Seven Anion Std I, 50mL ASSY, BTL,2L, ELUENT ASSY, BTL,4L,2PORT, HDPE IonPac AS11-HC Analyt. Column, 4x250mm IonPac AG11-HC Guard Column, 4x50mm MANIF, 3-WY 1.5 MM,1/4-28 PORTS FTG, ADPTR,1/4-28,F,LUER,NAT PP, RoHS FTG, CPLR,10-32FX10-32F,.02" FTG, NUT, FLNGLS,1/4-28X1/8 PK, RoHS FTG, FER, FLNGLS,1/8 TFZL, RoHS FTG, BOLT, 10-32,1/4 HEX, PEEK, NAT, RoHS FTG, FER, DBL CONE, P-1)	Recurring	GAP 210232	1
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## NPL Project Procurement List 2024-25 as on Jul 01 , 2024

494	Consumables of Water purification system (CDRC00201 RO CARTRIDGE 2" 84219900 ZF3000003 2" RO HOUSING ASSEMBLY 84212900 MX10X1X01 MX CARTRIDGE 1UM 10" 84219900 MX50X1X01 MX CARTRIDGE 5 UM 10" 84219900 PROG0T0S2 PROGARD TS2 84219900 TANKMPK01 PE TANK MILLIPAK FILTER 84212190 IPAKMETA1 IPAK Meta® polishing cartridge 84219900 IPAKQUAA1 IPAK Quanta® polishing cartridge 84219900 MPGP002A1 Millipak® 0.22µm filter 84219900 ZIQUVLPA1 ech2o oxidation lamp 85394900 ZFA10UVA1 ech2o A10 TOC lamp 85394900 ZF3000811 ATL_Distribution_Pump 84138190 FTB25720 SUREPRONG PUMP REPLACEMENT KIT)	Recurring	GAP 210232	1
495	NYLON SYRINGE FILTER, 0.22 UM, 13 MM	Recurring	GAP 210232	30 pkt
496	NYLON SYRINGE FILTER, 47MM 0.45uM 100/PK	Recurring	GAP 210232	2 pkt
497	PTFE, 25 MM, 1.0 UM	Recurring	GAP 210232	2 pkt
498	Power supply, incubator, waterbath, RO	Non-Recurring	HCP 52	1 each
499	workstation, Printer	Non-Recurring	HCP 52	1 each
500	Lab bench	Non-Recurring	HCP 52	3
501	WR-06 extension source	Recurring	MMP 015201	1
502	Mixer D band	Recurring	MMP 015201	1
503	Detector D band	Recurring	MMP 015201	2
504	Standard Horn (WR 06) 25dB gain	Recurring	MMP 015201	2
505	Adapters, bias Tee, Joints	Recurring	MMP 015201	As Per Req.
506	Cables	Recurring	MMP 015201	As Per Req.
507	Controlling modules for RIS with chip scale RF source, antenna printing materials and others consumables	Recurring	MMP 015201	As Per Req.
508	Chemicals, Glassware, Plastic ware	Recurring	MMP 015201	As Per Req.

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## NPL Project Procurement List 2024-25 as on Jul 01 , 2024

509	Anti wires, computer/laptop consumables	Recurring	MMP 015201	As Per Req.
510	Repair of printer And ups	Recurring	MMP 015201	As Per Req.
511	Moveable wheel,sleeper,Top,Extension board,Head phone	Recurring	MMP 015201	As Per Req.
512	Vector Network Analyzer (110GHz - 170GHz) two port along with base unit, calibration kit, adapter, enabled TDR option and appropriate Cables. (Output power upto +5dBm or higher)	Non-Recurring	MMP 015201	1
513	Signal Generator with power (built in or additional) amplifier (D band, 110GHz-170GHz) with vector software	Non-Recurring	MMP 015201	1
514	Spectrum Analyzer (D band, 110GHz-170GHz)	Non-Recurring	MMP 015201	1
515	Furniture repairs	Recurring	MMP 015201	As Per Req.
516	Office furnishings	Recurring	MMP 015201	As Per Req.
517	Repair of ups	Recurring	MMP 015201	As Per Req.
518	Repair of printer	Recurring	MMP 015201	As Per Req.
519	To RIS reconfigurable surface with power supply to control beamforming associated with D-Band (Proposed 6G).	Recurring	MMP 015201	As Per Req.
520	Seminar/workshop/symposia/conference	Recurring	MMP 015201	As Per Req.
521	Expenditure for outsourcing activities such as specialized design, lab work, workshop assignments and many others work related to projects.	Recurring	MMP 015201	As Per Req.
522	Flashcard for NTP server	Recurring	FBR 010307	as per requirement
523	Electronic boards, modules, minicomputers etc	Recurring	FBR 010307	as per requirement
524	RF cables, connectors, electrical/electronic accessories, optical fiber connectors, cables, fiber spools, SFPs, etc	Recurring	FBR 010307	as per requirement
525	Commercial software such as microsoft office	Recurring	FBR 010307	as per requirement
526	Computer consumables	Recurring	FBR 010307	as per requirement
527	Cutomized software development and other job works	Recurring	FBR 010307	as per requirement
528	Data Server	Non-Recurring	FBR 010307	1
529	Rubidium Frequency Standard	Non-Recurring	GAP 231032	4
530	Data Server	Non-Recurring	GAP 231032	1
531	Ansys Academic Research Optics	Recurring	FBR 010302	One

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## NPL Project Procurement List 2024-25 as on Jul 01 , 2024

532	Packing and transportation (including insurance) of Raman lidar and Portable equipment room from CSIR-IHBT, Palampur to CSIR-NPL, New Delhi and installation of Portable equipment room at CSIR-NPL, New Delhi campus	Recurring	FBR 010302	One
533	Photomultiplier tube with high volatege power supply	Recurring	FBR 010302	Two
534	Amplifier discriminator	Recurring	FBR 010302	Two
535	Polarization beam cube splitter with mount	Recurring	FBR 010302	One
536	355 nm narrow band interference filter	Recurring	FBR 010302	One
537	Beam expander	Recurring	FBR 010302	One
538	Stepper motorized highly reflective mirror	Recurring	FBR 010302	One
539	Highly Reflecting mirrors, lenses, dichroic mirrors, iris/orifice etc.	Recurring	FBR 010302	As per requirement
540	Optomechanical components	Recurring	FBR 010302	As per requirement
541	Controller for motorized rotation stage	Recurring	FBR 010302	One
542	Fabrication of optical box for 3D scanning lidar	Recurring	FBR 010302	One
543	Microsoft visual studio	Recurring	FBR 010302	One
544	Electronic components	Recurring	FBR 010302	As per requirement
545	Optical components	Recurring	FBR 010302	As per requirement
546	Accessories for 3D scanning lidar	Recurring	FBR 010302	As per requirement
547	Printer cartridges for hp1002	Recurring	FBR 010302	Two
548	355 nm pulsed laser source	Non-Recurring	FBR 010302	1
549	Miscellaneous glasswares	Recurring	HCP 53	2
550	Hydrothermal bomb	Recurring	HCP 53	2
551	Repair of electrochemical workstation along with spares	Recurring	HCP 53	1

**UPDATED AS ON JULY 01, 2024**

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