

## NPL Non-Project Procurement List 2023-24 as on Jan 17 , 2024

S.No	Item Name	Recurring / Non-Recurring	Project No.	Qty.
1	Primary Standard Viscometers	Recurring	OLP 230132	5
2	Standard Viscosity oils	Recurring	OLP 230132	5
3	Cylindrical Glass Jar	Recurring	OLP 230132	4
4	Repair of Length measuring machine and its work station	Non-Recurring	OLP 230132	1
5	(Spare parts for Atlas Copco air compressor, Model: GX2 P200) (i)Air Filter (Element)-1No. (ii)Roto Xtend Duty Oil- 5 Litre (iii) Nipple M22x1.5 (Nipple O-ring)-1 No.	Recurring	OLP 230132	1
6	(i)Contactor Coil 220VAC (LC1E1210) (ii) Overload Relay 9A-13A (LRE16) (iii) Phase Sequence Relay 380-440VAC	Recurring	OLP 230132	1
7	Lab consumable (cartridges etc)	Recurring	OLP 230132	2
8	Lab consumables (Isopropyl alcohol, muslin cloth, WD40, extension boards, Teflon tape, scotch tape etc)	Recurring	OLP 230132	As Per Requirements
9	Intercomparisons	Recurring	OLP 230132	2
10	Alumina tubes and thermocouple sheaths	Recurring	OLP 230132	6,6
11	Repair of High temperature carbolite furnace	Recurring	OLP 230132	1
12	Substrates	Recurring	OLP 230132	1 set
13	Chemicals	Recurring	OLP 230132	1 Set
14	Cartridges for Printers	Recurring	OLP 230132	6
15	Fabrication of Optical Table and Mounting accessories for Pyrometry Lab	Recurring	OLP 230132	1 set
16	Fabrication of Metal masks and IR sensors measurements	Recurring	OLP 230132	1 set
17	MS Office	Recurring	OLP 230132	3
18	Cosumables items for Humidity and Moisture Measurements	Recurring	OLP 230132	1 set
19	Electrical / Electronic components	Recurring	OLP 230132	As Per Requirements
20	Chemicals	Recurring	OLP 230132	As Per Requirements
21	Calibration Lamps	Recurring	OLP 230132	As Per Requirements
22	Laboratory Consumables	Recurring	OLP 230132	As Per Requirements
23	Glass blackening of new LED lab	Recurring	OLP 230132	As Per Requirements
24	Black curtaining & Glass blackening of new LED Lab	Recurring	OLP 230132	As Per Requirements
25	Network/LAN Switch Ports	Recurring	OLP 230132	1 No.
26	Computer consumables	Recurring	OLP 230132	As Per Requirements
27	Printer Cartridge (Not in common list)	Recurring	OLP 230132	2 Set
28	Spectral Flux Standard Lamps (uncalibrated)	Recurring	OLP 230132	3
29	Printer Cartridge Refill	Recurring	OLP 230132	As Per Requirements
30	Cartridge	Recurring	OLP 230132	4
31	Nitrogen Gas cylinders	Recurring	OLP 230132	5
32	AMC for Raman Spectrometer	Recurring	OLP 230132	1
33	Printer cartridges	Recurring	OLP 230132	8
34	AMC of Primary Pressure Standard (NPL-H1)	Recurring	OLP 230132	1
35	Harwood small cones	Recurring	OLP 230132	3
36	Harwood big cones	Recurring	OLP 230132	3
37	Harwood belt for Hanger Assy	Recurring	OLP 230132	4
38	Handling Charges for Harwood	Recurring	OLP 230132	as per requirements
39	Brother Toner Cartridge TN-2365	Recurring	OLP 230132	3

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40	Canon Printer MF3010 Cartridge 925	Recurring	OLP 230132	3
41	Job work for High Pressure Fitting Connectors	Recurring	OLP 230132	02 Set
42	He, O2 and N2 gas for day to day calibration process	Recurring	OLP 230132	as per requirements
43	Solid State Drive, Hard disk drive, RAM for PC	Recurring	OLP 230132	as per requirements
44	(a)Keyboard, (b)mouse	Recurring	OLP 230132	as per requirements
45	Gaskets, bellows, valves, fittings, adapters, tubings, Steel/ aluminium dotty seals, sealant, centring rings, o-rings, flanges	Recurring	OLP 230132	as per requirements
46	Hp laserjet printer 1015 cartridge no.(A12)/80A	Recurring	OLP 230132	as per requirements
47	Brother Printer Cartridge (TN-2365)	Recurring	OLP 230132	as per requirements
48	Canon Printer Cartridge 925 for MF3010F	Recurring	OLP 230132	as per requirements
49	Aluminium carrying case for BP monitoring system	Recurring	OLP 230132	as per requirements
50	Building Acoustics Measurement Partner Suite Software along with Microphone: B&K 4189	Recurring	OLP 230132	1
51	Insul Software	Recurring	OLP 230132	1
52	Consumables (Rachet Set, Adjustable Wrench, Spanner Set, Wire Cutter, Gaskets, Screw Driver Set, flanges, needle valve, gate valve etc)	Recurring	OLP 230132	as per requirements
53	Repair of Zygo Workstation (Model OPTIPLEX 760)	Recurring	OLP 230132	1
54	balance cover for 2000 kg & 500 kg	Non- Recurring	OLP 230132	2
55	Digital protable densitometer (DMA 35)	Non- Recurring	OLP 230132	1
56	Fabrication and insallation of crane for 60 kg balance	Non- Recurring	OLP 230132	1
57	Hand Held Multi Meter	Non- Recurring	OLP 230132	1
58	Ultrasonicator	Non- Recurring	OLP 230132	1
59	Heater plate & accessories	Non- Recurring	OLP 230132	1
60	Power Analyzer	Non- Recurring	OLP 230132	1
61	4 1/2 didgit portable digital multimeter	Non- Recurring	OLP 230132	1
62	Precision DC power supply	Non- Recurring	OLP 230132	1
63	Camera	Non- Recurring	OLP 230132	1
64	Laser	Non- Recurring	OLP 230132	1
65	uninterruptible power supply	Non- Recurring	OLP 230132	2
66	Laser Jet Printer	Non- Recurring	OLP 230132	2
67	Camera for Digital Microscope	Non- Recurring	OLP 230132	1
68	Fluorescent display screen for PPCH-G Pressure controller	Recurring	OLP 230132	1
69	UPS with batteries 2KVA	Non- Recurring	OLP 230132	1
70	Mass flow controller	Non- Recurring	OLP 230132	as per requirements
71	Double stage rotary pump	Non- Recurring	OLP 230132	2
72	Turbo pump	Non- Recurring	OLP 230132	1
73	UPS	Non- Recurring	OLP 230132	2
74	Digital Multimeter	Non- Recurring	OLP 230132	1
75	Hot Air Soldering Rework station	Non- Recurring	OLP 230132	1
76	Electronic components	Non- Recurring	OLP 230132	as per requirements
77	Frequency Counter/Timer	Non- Recurring	OLP 230132	1
78	Temperature and Humidity sensor	Non- Recurring	OLP 230132	1

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79	Single frequency acoustic calibrator	Non- Recurring	OLP 230132	1
80	Top Loading Calibrator calibration Setup	Non- Recurring	OLP 230132	1
81	RPD meter calibration setup having low pulse output	Non- Recurring	OLP 230132	1
82	Helium gas 5N grade	Recurring	OLP 230832	1330m3
83	Spare part for air compressor of Lhe Plants Air Filter (1622065800) ,Air Unloader Reg.Aspir.RH5 NR (2202260953) ,Pressure Switch MDR1/11 1/4 (2200600682) ,Therm & MPV Kit C40 (2901109500) ,Filter Kit DD/DDP 10+ ( 22901300001) ,Filter Kit UD25 (2901300403) ,Oil RS Ultra 20L ( 1630204120)	Recurring	OLP 230832	4,1,1,1,1,1,20Ltr.
84	Safety Valves Testing & Hydrostatic testing of 6000 Ltrs LN2 tank under gas rule 18 & 19	Recurring	OLP 230832	1 Tank
85	AMC for LN2 plant	Recurring	OLP 230832	1
86	Heater type 5000, 380-440V /5-6.5kW for regenreation unit	Recurring	OLP 230832	1
87	spare part for recovery helium compressor Union nut (N3608) Cutting ring (N3609) CFA pipe (N3619) G screw in spigot (N32199) O-ring (N3731) O-ring (N2621) Hexagon nut (N370)	Recurring	OLP 230832	3,3,1,2,1,1,4
88	Spare parts for liquid nitrogen plant Filter Disc For SPC-4, Cryogenerator, Starting Valve Steam, SPC-4 Cryogenerator , Replanishment & Resistance Vavle Assy , Helium Pressure Guage, O-Ring Norm 112 , AntiFrizent coolent , Magnetic contractor, thermal overload relay, mccb	Recurring	OLP 230832	2,1,1,4,8,10Ltr, 1,1,2
89	HD webcam ,earphone with mick , wireless keyboard & mouse	Recurring	OLP 230832	1 each
90	cotton braided rubber hose Size : 1" cotton braided rubber hose Size : 1/2"	Recurring	OLP 230832	100 mtr 100 mtr
91	Spare parts for helium liquefier , MCD , Pryolizer	Recurring	OLP 230832	As per requirement
92	R410A refrigrent gas	Recurring	OLP 230832	47 Kg.
93	Spanners sets , Cutting Pliers, Nose Plier, Allen key set ,Screw driver set with tester , Hand grinder , Half round file & flat file , SS Bits sets, SS Hexa Blade, Circular saw 7"Blade with 45 Digree turn, Impact wrench machine ,High Pressure washer	Recurring	OLP 230832	1 Set, 1, 1, 1Set, 1Set, 1, 1each, 1 Set, 24 Nos, 1Pkt, 1, 1
94	Shock-proof shoes	Recurring	OLP 230232	3 pairs
95	Brother Printer Cartridges	Recurring	OLP 230232	2
96	Batteries for DC reference standard	Recurring	OLP 230232	5
97	Repair of air bath	Recurring	OLP 230232	1
98	Repair of 8.5 DMM	Recurring	OLP 230232	1
99	Adapter, Connector, GPIB USB Card	Recurring	OLP 230232	1
100	Repair of display unit of 300 kV/ 300kVA AC High Voltage Source and interlinking of its coupling Capacitor	Recurring	OLP 230232	1
101	Brother Printer cartridges	Recurring	OLP 230232	3
102	Repair of (1)2kVA UPS(2 nos) (2)1kVA UPS (1no) (3)0.5kVA UPS(1 no)	Recurring	OLP 230232	4

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103	RAM Cards (4 GB, 2 GB), SSD Cards (256 GB), Extension cord (16A), Extension cord (6A)	Recurring	OLP 230232	As per Requirements
104	UPS Batteries 12V/7.2Ah	Recurring	OLP 230232	10
105	Conventional Earthing	Recurring	OLP 230232	1
106	2" sputtering guns for main chamber	Recurring	OLP 230232	3
107	2" filament substrate heater with rotation	Recurring	OLP 230232	1
108	MFC for gas inlet - N2&Ar gases (0-200 SCCM)	Recurring	OLP 230232	2
109	CF-150 manual gate valve	Recurring	OLP 230232	3
110	CF-63 gate to isolate the load lock chamber and turbo pump of the same.	Recurring	OLP 230232	3
111	Si wafer with both side 100 nm of LPCVD Si3N4 layer, Dia: 100 mm; Orientation (100);	Recurring	OLP 230232	as per requirement
112	Computer repairing and upgradation	Recurring	OLP 230232	1
113	Laser Repair 1550 nm	Recurring	OLP 230232	1
114	Scroll Pump Repair	Recurring	OLP 230232	1
115	Mouse	Recurring	OLP 230232	5
116	keyboard	Recurring	OLP 230232	2
117	Carbon tape	Recurring	OLP 230232	1
118	rack	Recurring	OLP 230232	1
119	Masks	Recurring	OLP 230232	as per requirement
120	Microscope Cover	Recurring	OLP 230232	1
121	Sputtering Gun repair	Recurring	OLP 230232	1
122	Printer repair	Recurring	OLP 230232	1
123	Substrates/wafers	Recurring	OLP 230232	as per requirement
124	Batteries for Zener DC reference standards	Recurring	OLP 230232	as per requirement
125	Batteries for UPS	Recurring	OLP 230232	as per requirement
126	Repair of UPS system	Recurring	OLP 230232	1
127	Chemicals and substrates	Recurring	OLP 230232	As per requirements
128	Quartz tubes, graphite boxes, alumina crucible etc	Recurring	OLP 230232	As per requirements
129	Boats for thermal evaporator	Recurring	OLP 230232	As per requirement
130	Graphite crucible	Recurring	OLP 230232	0
131	Furnace repair	Recurring	OLP 230232	1
132	Alumina tubes/boats/trays etc., Quartz tubes	Recurring	OLP 230232	As per requirements
133	Repair of heater assembly/vacuum gauges/pumps	Recurring	OLP 230232	As per requirements
134	Gases: He, Ar, Nitrogen and Oxy.,	Recurring	OLP 230232	As per requirements
135	Chemicals: Rare earth Nitrates, Sputtering targets and single crystal substrates	Recurring	OLP 230232	As per requirements
136	UPS batteries & repair	Recurring	OLP 230232	0
137	Easyfit software	Recurring	OLP 230232	one
138	Monitor	Non- Recurring	OLP 230232	one
139	Cartridges	Recurring	OLP 230232	Two
140	Argon and Nitrogen gases	Recurring	OLP 230232	As per requirement
141	Three Phase Portable Reference Standard of accuracy class 0.05 in direct mode upto 12A and 0.2 in clamp on CT mode upto 120A compatible to meter test system MTS320	Non- Recurring	OLP 230232	1
142	Three Phase DC & Even Harmonics Test Jig compatible to meter test system MTS320	Non- Recurring	OLP 230232	1

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143	Short time over current influence test set up (3000A)	Non- Recurring	OLP 230232	1
144	Spring Hammar Test se up	Non- Recurring	OLP 230232	1
145	10 MΩ Resistance standard	Non- Recurring	OLP 230232	1
146	Charger unit for DC reference standard	Non- Recurring	OLP 230232	1
147	DC Power supply	Non- Recurring	OLP 230232	1
148	Peak Voltmeter (300 kV)	Non- Recurring	OLP 230232	1
149	HV Probe	Non- Recurring	OLP 230232	1
150	Clamp Meter	Non- Recurring	OLP 230232	1
151	Hand-Held Digital Multi Meter	Non- Recurring	OLP 230232	1
152	Automated Instrument Transformer System (AITTS)	Non- Recurring	OLP 230232	1
153	RF power supply: RF generator 300 W, matching network, shielding, cables etc	Non- Recurring	OLP 230232	One
154	PID Temp. Controller	Non- Recurring	OLP 230232	One
155	True RMS clamp meter	Non- Recurring	OLP 230832	1
156	Laser HV Power Supply EPU 1.5, Spare Part P/N 1225367	Non- Recurring	OLP 230232	1
157	LASER HV-Trigger, Spare part, P/N 1428469	Non- Recurring	OLP 230232	1
158	BEAMSPLITTER, QUARTZ 40x40, P/N 952487	Non- Recurring	OLP 230232	1
159	HP CC388 AC	Recurring	OLP 230332	2
160	Substrate heater setup	Recurring	OLP 230332	1
161	Gas Regulator	Recurring	OLP 230332	4
162	High Vacuum Gate Valve	Recurring	OLP 230332	1
163	PM2.5 Impactor	Recurring	OLP 230332	1
164	n-alkanes standard (C <sub>8</sub> -C <sub>20</sub> ), Sigma-Aldrich (04070-1mL)	Recurring	OLP 230332	2x1mL
165	n-alkanes standard (C <sub>21</sub> -C <sub>40</sub> ) Sigma-Aldrich (04071-1mL)	Recurring	OLP 230332	2x1mL
166	Indoor Air Standard Sigma Aldrich 4M9148-U	Recurring	OLP 230332	3x1mL
167	PAHs Standard EPA 610 Polynuclear aromatic hydrocarbons mixture Sigma-Aldrich (CRM47543)	Recurring	OLP 230332	2x1mL
168	Organic Acids Kit Sigma-Aldrich (47264)	Recurring	OLP 230332	1 Kit
169	Azelaic Acid standard Sigma-Aldrich (95054)	Recurring	OLP 230332	1x100mg
170	Glutaric Acid standard Sigma-Aldrich (89147)	Recurring	OLP 230332	1x100mg
171	Isobutyric Acid standard Sigma-Aldrich (46935-U)	Recurring	OLP 230332	1x500mg
172	Boron trifluoride-1- butanol solution Sigma-Aldrich (83253)	Recurring	OLP 230332	1x100 mL
173	N,O-Bis(trimethylsilyl)trifluoroacetamide with 1% trimethylchlorosilane Sigma-Aldrich (15238-25mL)	Recurring	OLP 230332	8x5 mL
174	AMC	Recurring	OLP 230332	1
175	AMC for Aethalometer for BC measurement	Recurring	OLP 230332	1
176	(i) Dialysis tubing 1K Da , (ii) Hydrazine hydrate (99-100%)	Recurring	OLP 230332	2 , 500ml
177	(i) Dimethyloctadecyl [3-(trimethoxysilyl) propyl] ammonium chloride solution , (ii) Human serum (iii) Folic acid , (iv) 4'-penty1-4-biphenylcarbonitrile , (v) 1 , 2 Dichlrobenzene , (vi) Nitrogen gas (high purity 99%)	Recurring	OLP 230332	100ml , 100ml , 5gm , 1gm , 100ml , 2
178	Functionalized Oligomers 10 Vials	Recurring	OLP 230332	10
179	Cable connectors	Recurring	OLP 230332	5

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180	Oligomer sequence	Recurring	OLP 230332	10
181	Target Gases (Ar, O2, Dry Air, etc) and regulator	Recurring	OLP 230332	As per req.
182	Substrate Heater	Recurring	OLP 230332	1
183	High voltage probe	Recurring	OLP 230332	1
184	Metallic Boats (Tungsten, Molybdenum)	Recurring	OLP 230332	as per req.
185	Metal Shadow mask	Recurring	OLP 230332	as per req.
186	Gases (Ar, O2, Dry Air, etc)	Recurring	OLP 230332	as per req.
187	Substrates	Recurring	OLP 230332	as per req.
188	SS Regulators for corrosive gases	Recurring	OLP 230332	5
189	Solder iron with temperature control	Recurring	OLP 230332	1
190	Miscellaneous consumables (Carbon/Copper tape, Grid, etc.)	Recurring	OLP 230332	as per req.
191	IRNSS receiver Antenna	Recurring	OLP 230332	1
192	Tracker card Digisonde (02 Nos.)	Recurring	OLP 230332	2
193	Digisonde ( equipment for real time ionospheric monitoring)	Recurring	OLP 230332	2 years
194	High Pressure Seamless Al Cylinders	Recurring	OLP 230332	20
195	Vortex shaker( test tube shaker)	Non-Recurring	OLP 230332	1
196	Test sieve POR (20 microns)	Recurring	OLP 230332	1
197	Test sieves shaker with timer	Non-Recurring	OLP 230332	1
198	Sound/noise meter/sensor	Non-Recurring	OLP 230332	1
199	PM sensor, presure sensor and electronics	Non-Recurring	OLP 230332	1
200	Laser deionizaiton cartridge	Recurring	OLP 230332	2
201	Square type LED lamp	Recurring	OLP 230332	4
202	Interference filter for 532 nm laser wavelength	Recurring	OLP 230332	1
203	Toner TN 2365	Recurring	OLP 230332	2
204	Maintenance & Operation of the plasma assisted molecular beam epitaxy	Recurring	OLP 230332	1
205	NH3-Analyzer	Non- Recurring	OLP 230332	1
206	Rotary Pump	Non- Recurring	OLP 230332	1
207	Micro weighing Balance	Non- Recurring	OLP 230332	1
208	Weighing Balance	Non- Recurring	OLP 230332	1
209	NOx Sensor	Non- Recurring	OLP 230332	1
210	SOx sensor	Non- Recurring	OLP 230332	1
211	BTEX sensor	Non- Recurring	OLP 230332	1
212	TVOC sensor	Non- Recurring	OLP 230332	1
213	CO Sensor	Non- Recurring	OLP 230332	1
214	PM1 Sensor	Non- Recurring	OLP 230332	1
215	PM 2.5 Sensor	Non- Recurring	OLP 230332	1
216	Dissicator cabinet	Non- Recurring	OLP 230332	1
217	One set of Pyranometer , UV radiometer and Pyrgeometer with Data logger etc	Non- Recurring	OLP 230332	1 each
218	Defibrillator (2-360J):	Non- Recurring	OLP 230332	1
219	Decade Substituter	Non- Recurring	OLP 230332	1
220	Hydraulic pressure pump generator with connectors and tubes	Non- Recurring	OLP 230332	1

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221	Pressure Gauges (pressure gauges is required for pressure measurement of infusion pump analyzer calibration setup.)	Non- Recurring	OLP 230332	1
222	Mass Flow controller	Non- Recurring	OLP 230332	2
223	Single vacuum gauge with controller	Non- Recurring	OLP 230332	1
224	1 KW (1KV, 1A) DC Power supply for sputtering system	Non- Recurring	OLP 230332	1
225	Temperature and Humidity Meter	Non- Recurring	OLP 230332	3
226	Temperature, Humidity and Pressur Indicator Meter	Non- Recurring	OLP 230332	2
227	ITO sheets and FTO Sheets	Recurring	OLP 230432	10
228	Carbon Ink/paste	Recurring	OLP 230432	250 gm
229	Ag, Cu and Ca metal	Recurring	OLP 230432	50 gm each
230	Anhydrous DMSO, Anhydrous Chlorobenzene, Anhydrous Chloroform, Anhydrous Propanol Anhydrous DMF, Anhydrous Ethyl acetate	Recurring	OLP 230432	1 Ltr each
231	PbI <sub>2</sub> , MoO <sub>3</sub> , Butylammonium iodide, Octylammonium iodide, Propylammonium iodide, Phenylammonium iodide, Fluoro Benzyl Ammonium Iodide, Benzylammonium iodide, 2-(2-pyridyl)ethylamine, phenylethylamine , dodecylammonium iodide, Propargylamine hydrochloride, 1,4-Diaminobutane, 5-Aminovaleric acid, 5-Aminovaleric acid hydrochloride	Recurring	OLP 230432	10 gm each
232	PEDOT:PSS (PH1000)	Recurring	OLP 230432	1 kg
233	Xenon lamps, 300W, ozone free cartridge type	Recurring	OLP 230432	2 pieces
234	Spare parts (Maintenance kit) of Millipore DI water	Recurring	OLP 230432	1 unit
235	Four Point Probes (Lucas Signatone, USA)	Recurring	OLP 230432	2 sets
236	Tank Level Sensor, 30 L, Millipore	Recurring	OLP 230432	1 unit
237	Silver wire (Ag) 25g, 99.9%; LOBA Chemie Pvt Ltd: 573100025	Recurring	OLP 230432	4 unit
238	Chillier, thermal evaporators, vacuum pumps	Recurring	OLP 230432	As per requirement
239	Nitrogen Bank	Recurring	OLP 230432	1
240	Rotary oil	Recurring	OLP 230432	1L
241	Spincoater	Recurring	OLP 230432	As per requirement
242	Repair of Chiller , thermal evaporators, vacuum pumps	Recurring	OLP 230432	As per requirement
243	Magnetic stirrer with Hotplate	Recurring	OLP 230432	1
244	Repairing of Freeze Dryers	Recurring	OLP 230432	2
245	Repairing of Salt Spray test chamber	Recurring	OLP 230432	1
246	Repairing of UV-visible spectrophotometer	Recurring	OLP 230432	1
247	Poly(dimethylsiloxane), bis(3-aminopropyl) terminated, (Sigma-Aldirich), 481688	Recurring	OLP 230432	50 ml x 1 pack
248	2-Formylphenylboronic acid, (Sigma-Aldirich), 481688	Recurring	OLP 230432	5 Gx 1pack
249	Ar, N <sub>2</sub> and O <sub>2</sub> gasses	Recurring	OLP 230432	5
250	BNC and SMC connectors adapters	Recurring	OLP 230432	20
251	Modification of 16" x 4" chamber for collar flange	Recurring	OLP 230432	1
252	Repair of potentiostat	Recurring	OLP 230432	1
253	Repair of thickness monitor	Recurring	OLP 230432	1

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254	Repair of Hydrogen generator	Recurring	OLP 230432	1
255	(H2SO4) 50% Merck (Emplura)	Recurring	OLP 230432	4 bottles of 500 mL each
256	FTO	Recurring	OLP 230432	5 -10 sheets
257	ITO	Recurring	OLP 230432	5 -10 sheets
258	counter electrode	Recurring	OLP 230432	2
259	reference electrode	Recurring	OLP 230432	2
260	Nickel foam	Recurring	OLP 230432	2-5 sheets
261	Mxene materials (Ti2ALC, Nb2AlC, V2AlC, Ti3AlC2)	Recurring	OLP 230432	25 g each
262	2D material(BiS3,GeS2,Ws2)	Recurring	OLP 230432	1-25 g each
263	Perovskite materials(MA1,PbI2,PbCl2,PbBr2)	Recurring	OLP 230432	1-25 g each
264	Organic Solvents(NMP,DMF,DMSO,Oleic acid)	Recurring	OLP 230432	1-2.5 L each
265	TEM Grid	Recurring	OLP 230432	100
266	PVDF	Recurring	OLP 230432	10-50g
267	Graphite sheet	Recurring	OLP 230432	As per requirement
268	HF	Recurring	OLP 230432	500ml
269	Poly Vinyl Alcohol	Recurring	OLP 230432	25g
270	aniline	Recurring	OLP 230432	500ml
271	KCl	Recurring	OLP 230432	500g
272	Teflon tape	Recurring	OLP 230432	12
273	Dimond cutter	Recurring	OLP 230432	8
274	Tweezer	Recurring	OLP 230432	2
275	Sample box	Recurring	OLP 230432	100
276	Miscellaneous	Recurring	OLP 230432	As PER REQUIREMENT
277	3 neck Flask	Recurring	OLP 230432	5
278	3 neck Flask	Recurring	OLP 230432	5
279	3 neck Flask	Recurring	OLP 230432	5
280	3 neck Flask	Recurring	OLP 230432	3
281	UV LED 265nm 3W with 20 mm pcb board	Recurring	OLP 230432	5
282	UV LED 255nm 3W with 20 mm pcb board	Recurring	OLP 230432	5
283	Yttrium Oxide	Recurring	OLP 230432	1
284	Silver Paste	Recurring	OLP 230432	100 gm
285	Hydrogen gas cylinders	Recurring	OLP 230432	10
286	Repairing of FC-CVD system	Recurring	OLP 230432	1
287	O-rings	Recurring	OLP 230432	10
288	SS Drilled Plate	Recurring	OLP 230432	1
289	Gas regulators	Recurring	OLP 230432	2
290	Silicon Carbide rods	Recurring	OLP 230432	6
291	Joining of quartz tubes	Recurring	OLP 230432	2
292	Testing of samples	Recurring	OLP 230432	As per requirement
293	Repair of Printer	Recurring	OLP 230432	1
294	Ultrahigh molecular weight polyethylene	Recurring	OLP 230432	4 square meter
295	Hydrazine hydrate	Recurring	OLP 230432	500 mlx2
296	Plastic syringes	Recurring	OLP 230432	50 nos
297	hydrogen peroxide 500 ml x2	Recurring	OLP 230432	500 mlx 4

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## NPL Non-Project Procurement List 2023-24 as on Jan 17 , 2024

298	Fabrication for measurement of temperature gradient set-up	Recurring	OLP 230432	As Per requirement
299	(Indium/Flourine ) tin oxide coated PET	Recurring	OLP 230432	5
300	PVA spool	Recurring	OLP 230432	1
301	Germanium (IV) oxide	Recurring	OLP 230432	25g
302	Propylene oxide	Recurring	OLP 230432	100ml
303	Gallium Chloride	Recurring	OLP 230432	5g
304	Polyvinylidene fluoride (PVDF)	Recurring	OLP 230432	100g
305	Resorcinol	Recurring	OLP 230432	500g
306	Chloro auric acid	Recurring	OLP 230432	500mg
307	Thioglycerol	Recurring	OLP 230432	100mL
308	Thiosalicylic acid	Recurring	OLP 230432	100g
309	Polypropylene spool	Recurring	OLP 230432	1
310	Quartz tube and couplers	Recurring	OLP 230432	1 & 2 Couplers
311	Fume Hood repairing	Recurring	OLP 230432	NA
312	Sonicator repairing	Recurring	OLP 230432	NA
313	Induction Heating Kit	Recurring	OLP 230432	1
314	2 TB SSD Hard Disk	Recurring	OLP 230432	1
315	Bench Vice	Recurring	OLP 230432	1
316	Paraquat Dichloride Hydrate	Recurring	OLP 230432	50 mg
317	Phosmet Pestanal	Recurring	OLP 230432	100 mg
318	Thiram Pestanal	Recurring	OLP 230432	250 mg
319	Isocarbophos	Recurring	OLP 230432	100 mg
320	Ammonium nitrate(AN)	Recurring	OLP 230432	50g
321	Picric Acid(PA)	Recurring	OLP 230432	100g
322	Methane Gas	Recurring	OLP 230432	1
323	Hydrogen Gas	Recurring	OLP 230432	1
324	Poly(2,3-dihydrothieno-1,4-dioxin) -poly(styrenesulfonate)	Recurring	OLP 230432	50 G
325	Poly(vinylidene fluoride-co-hexafluoropropylene)	Recurring	OLP 230432	100 G
326	Tetraethylammonium tetrafluoroborate	Recurring	OLP 230432	25 G
327	1-Ethyl-3-methylimidazolium tetrafluoroborate	Recurring	OLP 230432	25 G
328	Anhydrous Iron chloride, 99.5 % (31141)	Recurring	OLP 230432	50 g
329	Polyaniline (emeraldine base)	Recurring	OLP 230432	5 G
330	Thermocouple	Recurring	OLP 230432	2
331	Reference Electrode	Recurring	OLP 230432	2
332	Miscellaneous items for electrical measurements	Recurring	OLP 230432	1
333	Round bottom flask Three Neck (100 ml, 24/29-14/23)(250 ml, 24/29-19/26)(500 ml,24/29-19/26)(1000 ml,24/29-19/26)	Recurring	OLP 230432	8 (2 each)
334	Chromatography vials and closures (15*45*13, 4 mm)	Recurring	OLP 230432	10
335	Dropping funnels (100 ml,19/26)	Recurring	OLP 230432	2
336	Glass Stoppers (Size 19/26)	Recurring	OLP 230432	10
337	Measuring beaker with handle	Recurring	OLP 230432	2
338	Microtips (2-200ul and 200-1000 ul)	Recurring	OLP 230432	1000 & 500
339	Micro centrifuge tube (5 ml)	Recurring	OLP 230432	100

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## NPL Non-Project Procurement List 2023-24 as on Jan 17 , 2024

340	Desiccator Vacuum plastic (dia 300 mm)	Recurring	OLP 230432	4
341	Pasteur pipette (1 ml)	Recurring	OLP 230432	500
342	Plastic Forceps without scissors (PP)	Recurring	OLP 230432	12
343	Chromatography Columns (length 30 cm, dia=15 mm and length 40 cm, dia=20 mm)	Recurring	OLP 230432	2 each
344	Measuring cylinders (250 ml)	Recurring	OLP 230432	1
345	Condensers (24/29,500 mm)	Recurring	OLP 230432	4
346	Stand (dia=9",rod=24"*1/2")(8 X 5X 24" X 12 mm) (12 X 7X 36 " X 12 mm)	Recurring	OLP 230432	3 (1 each)
347	Laboratory Clamps (three-finger clamps)	Recurring	OLP 230432	4
348	Quartz tube (51*55*1200 & 57*60*1200)	Recurring	OLP 230432	1 each
349	Acid and alkaline proof Gloves (12" and 14")	Recurring	OLP 230432	4 pair each
350	Cryo gloves (Mid arm water proof)	Recurring	OLP 230432	1 pair
351	Nitrile Gloves: Purple colour (Medium and Large size)	Recurring	OLP 230432	20 pack (10 each size )
352	Scissor (5")	Recurring	OLP 230432	1 pack
353	Spatula (6",6",8",10",12",8")	Recurring	OLP 230432	1 pack each
354	Rubber Tubing (6.5 mm ID,10 meter)	Recurring	OLP 230432	1
355	Mercury Thermometer (upto 360 degree)	Recurring	OLP 230432	1 pack
356	Micropore Tape (1" X 9 m)	Recurring	OLP 230432	1 pack
357	Face mask disposable	Recurring	OLP 230432	3 pack
358	Lab Coat (38",40",42".40')	Recurring	OLP 230432	4 (1 each)
359	Filter papers (150 mm)	Recurring	OLP 230432	4 pack
360	Parafilm (4" X 125')	Recurring	OLP 230432	2 pack
361	Parafilm dispenser	Recurring	OLP 230432	1
362	Pestel and mortar (100 ml and 275 ml)	Recurring	OLP 230432	1 each
363	EX OCVA STAGE CONTROLLER AND PCBA LBS SWITCH	Recurring	OLP 230432	1
364	Silicon Lump (99.999% purity)	Recurring	OLP 230432	100g
365	Chromium Pieces (99.99% purity)	Recurring	OLP 230432	250g
366	Manganese powder (99.3% purity)	Recurring	OLP 230432	750g
367	Bismuth powder 99.999% purity	Recurring	OLP 230432	100g
368	Iron granules(99.98% purity)	Recurring	OLP 230432	250g
369	Titanium granules (99.99% purity)	Recurring	OLP 230432	250g
370	Germanium Pieces (99.999% purity)	Recurring	OLP 230432	10g
371	Nickel powder (99.8% purity)	Recurring	OLP 230432	500g
372	Silicon powder (99.999% purity)	Recurring	OLP 230432	150g
373	4-Hydroxy - 4 methylpentan-2-one	Recurring	OLP 230432	5lit
374	Zirconium Foil(99.9% purity)	Recurring	OLP 230432	25 x 100 x0.025
375	High temperature cement	Recurring	OLP 230432	25 kg
376	Gloves	Recurring	OLP 230432	20 boxes
377	Emery paper of different 7 grades	Recurring	OLP 230432	100 each
378	Insulation wool	Recurring	OLP 230432	1 roll
379	O-ring (Different sizes)	Recurring	OLP 230432	50
380	Pipes	Recurring	OLP 230432	20m
381	Nitrogen, Air	Recurring	OLP 230432	20
382	Graphite rings	Recurring	OLP 230432	10

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## NPL Non-Project Procurement List 2023-24 as on Jan 17 , 2024

383	Melt pump heater	Recurring	OLP 230432	10
384	Gas regulator	Recurring	OLP 230432	4
385	Alumina tube, 99.8 (One side open and other side close), OD-90mm, ID-80mm, L-1000mm	Recurring	OLP 230432	2
386	Alumina tube, 99.8% (Both side open), OD-85mm, ID-75mm, L-1400mm	Recurring	OLP 230432	1
387	Vernier caliper	Recurring	OLP 230432	1
388	Hand grinder	Recurring	OLP 230432	1
389	Rotameter	Recurring	OLP 230432	5
390	Repairing of furnace	Recurring	OLP 230432	3
391	Repairing of softening point apparatus	Recurring	OLP 230432	1
392	Upgradation of melt-spinning set-up	Recurring	OLP 230432	1
393	Upgradation of autoclave	Recurring	OLP 230432	1
394	Azobisisobutyronitrile	Recurring	OLP 230432	100ml
395	Acetone	Recurring	OLP 230432	2.5Lx10
396	Alumina polishing powder (four grades)	Recurring	OLP 230432	1kg each
397	Chemicas	Recurring	OLP 230432	3
398	Triethylenetetramine (TETA)	Recurring	OLP 230432	1L
399	Epoxy resin	Recurring	OLP 230432	5kg
400	Mesophase pitch	Recurring	OLP 230432	5kg
401	Naphthalene pitch	Recurring	OLP 230432	10kg
402	TCNQ (7,7,8,8-tetracyanoquinodimethane)	Recurring	OLP 230432	02, 10g pack
403	DCTB (2-[(2E)-3-(4-tert-Butylphenyl)-2-methylprop-2-enylidene]malononitrile)	Recurring	OLP 230432	2g
404	Platinum wire electrode	Recurring	OLP 230432	1
405	Reference electrode (Ag/AgCl)	Recurring	OLP 230432	1
406	Conductive silver ink	Recurring	OLP 230432	1
407	Gooch Crucibles	Recurring	OLP 230432	100
408	Seebeck instrument (ULVAC- ZEM3) – Overhauling and Repairing	Recurring	OLP 230432	1
409	Overhauling and calibration of DSC (NETZSCH 404F3)	Recurring	OLP 230432	As per requirement
410	Spares for Arc Melting (Metal bellows, tungsten electrodes, protection glass)	Recurring	OLP 230432	1
411	Ni, Fe, Nb Shots/Powder	Recurring	OLP 230432	As per requirement
412	Copper powder, 100 mesh, 99.999% (metal basis)	Recurring	OLP 230432	100g
413	Selenium powder, 200 mesh, 99.999% (metal basis)	Recurring	OLP 230432	250g
414	Tellurium powder, 200 mesh, 99.999% (metal basis)	Recurring	OLP 230432	250g
415	Bismuth powder, 200 mesh, 99.999% (metal basis)	Recurring	OLP 230432	100g
416	Tin powder, 100 mesh, 99.995% (metal basis)	Recurring	OLP 230432	250g
417	Bismuth (III) Oxide, 99.99% (metal basis)	Recurring	OLP 230432	250g
418	Lead Powder, 200 mesh, 99.9% (metal basis)	Recurring	OLP 230432	250g
419	Lead (II) Oxide, 99.99% (metal basis)	Recurring	OLP 230432	250g
420	Magnesium Oxide, 99.95% (metal basis)	Recurring	OLP 230432	100g
421	Tin Oxide, 99.9% (metals basis)	Recurring	OLP 230432	500g
422	Samarium (III) oxide, 99.9% (metals basis)	Recurring	OLP 230432	50g
423	Calcium oxide, 99.95% (metal basis)	Recurring	OLP 230432	250g

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## NPL Non-Project Procurement List 2023-24 as on Jan 17 , 2024

424	Calcium Carbonate, 99.95% (metal basis)	Recurring	OLP 230432	100g
425	Cobalt (II,III) oxide, 99.9985% (metal basis)	Recurring	OLP 230432	50g
426	Sodium Carbonate, 99.95%, anhydrous	Recurring	OLP 230432	500g
427	Strontium Carbonate, 99.99% (metal basis)	Recurring	OLP 230432	100g
428	Cobalt (II) oxide, 99.995% (metal basis)	Recurring	OLP 230432	5g
429	Lanthanum (III) oxide, 99.99% (trace metal basis)	Recurring	OLP 230432	250g
430	Antimony powder, 99% (metal basis)	Recurring	OLP 230432	10g
431	Strontium Oxide, 99.5% (metal basis)	Recurring	OLP 230432	100g
432	Barium Carbonate, 99.95% (metal basis)	Recurring	OLP 230432	100g
433	Barium Oxide, 99.5%	Recurring	OLP 230432	250g
434	Barium Powder, 99%+ (metal basis)	Recurring	OLP 230432	100g
435	Nitrogen gas (99.999% Purity)	Recurring	OLP 230432	50 Cylinder
436	Argon (99.999% Purity)	Recurring	OLP 230432	50 Cylinder
437	Zero Air (99.999% Purity)	Recurring	OLP 230432	10 Cylinder
438	Oxygen gas (99.7% Purity)	Recurring	OLP 230432	10 Cylinder
439	Helium gas(99.999% Purity)	Recurring	OLP 230432	4 Cylinder
440	AMC for TGADSC1 and DSC 1 Mettler Toledo	Recurring	OLP 230432	2
441	Machning of top cover gas permiability	Recurring	OLP 230432	1
442	Machning of sample holder	Recurring	OLP 230432	1
443	Three die mould ( 10 cm x10 cm)	Recurring	OLP 230432	1
444	Gas pinping and fillting	Recurring	OLP 230432	1
445	Pressure gauge (kPa)	Recurring	OLP 230432	1
446	Pressure gauge (Pascal)	Recurring	OLP 230432	1
447	Repair of furnace	Recurring	OLP 230432	2
448	Repair of Oven	Recurring	OLP 230432	1
449	Niobium Carbide ( Mxene powder)	Recurring	OLP 230432	30 gm
450	Titanium carbide	Recurring	OLP 230432	30 gm
451	Chromium Carbide	Recurring	OLP 230432	30gm
452	Vinyl ester powder resin	Recurring	OLP 230432	2kg
453	Fabrication of Hydrogen permiability set up	Non- Recurring	OLP 230432	1
454	Ossilloscope	Non- Recurring	OLP 230432	1
455	High temperature stage+controller+sampleholder	Non- Recurring	OLP 230432	1
456	Software for Keithley	Recurring	OLP 230432	1
457	Digital multimeter 6&1/2	Non- Recurring	OLP 230432	1
458	Hot Plate	Non- Recurring	OLP 230432	2
459	Repair of Sonicator bath	Recurring	OLP 230432	1
460	Repair of vacuum oven	Recurring	OLP 230432	2
461	Repair refrigerator	Recurring	OLP 230432	2
462	Hot Plate stirrer	Non- Recurring	OLP 230432	2
463	Argon regulator	Non- Recurring	OLP 230432	2
464	Hydrothermal	Non- Recurring	OLP 230432	2
465	UV Lamp with House (Black Box Type)	Non- Recurring	OLP 230432	1
466	OVI Detector (D) with motor and card	Non- Recurring	OLP 230432	1
467	Rotameter Hydrogen	Non- Recurring	OLP 230432	1
468	Rotameter Argon	Non- Recurring	OLP 230432	1
469	Rotameter methane	Non- Recurring	OLP 230432	1

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## NPL Non-Project Procurement List 2023-24 as on Jan 17 , 2024

470	Blue LASER	Non- Recurring	OLP 230432	1
471	Laser Diode with power supply 808 nm, 1W	Non- Recurring	OLP 230432	1
472	Micro Dispenser/Syringe Dispenser	Non- Recurring	OLP 230432	1
473	Hand held Ink-jet head	Non- Recurring	OLP 230432	1
474	repair of refrigerated centrifuge	Recurring	OLP 230432	1
475	repair of ovens	Recurring	OLP 230432	2
476	Portable Vacuum Pump (0.03 mbar)	Non- Recurring	OLP 230432	1
477	Heating Mantle (10 ltr.)	Non- Recurring	OLP 230432	1
478	Magnetic stirrer with Hot plate (5 ltr)	Non- Recurring	OLP 230432	1
479	Ultrasonic cleaning bath (12"*6"*6", 6.5 ltr)	Non- Recurring	OLP 230432	1
480	pH meter (pH700, -2 to 16)	Non- Recurring	OLP 230432	1
481	Analytical balance (220 mg max, d=0.1 mg)	Non- Recurring	OLP 230432	1
482	Upgrade Kit Legacy SEM Workstation PRELO	Non- Recurring	OLP 230432	1
483	Melting point apparatus	Non- Recurring	OLP 230432	1
484	3LCD laser Projector ( 5000 lumens. Laser diode)	Non- Recurring	OLP 230432	1
485	Multiple filament 3D printer	Non- Recurring	OLP 230432	1
486	Hot plate Magnetic stirrer ( With temepature control)	Non- Recurring	OLP 230432	2
487	Repair, Replacement & Maintenance of Cameras of SECRC	Recurring	OLP 230432	7
488	As per ISO 14644-1 2015 Maintaining SOP of Clean room	Recurring	OLP 230432	50
489	FESEM-SUPRA 40VP	Recurring	OLP 230432	1
490	Repairing of chiller(Seeback and Hall measurment system)	Recurring	OLP 230432	2
491	Temperature and sensitivity file calibration DSC	Recurring	OLP 230432	1
492	XRD sample holder	Recurring	OLP 230432	1
493	Repair of abrasive cutting machine	Recurring	OLP 230432	1
494	Repairing of Computers	Recurring	OLP 230432	4
495	Repair of Weinghing Balance ( Shimadzu)	Recurring	OLP 230432	2
496	Repair of hydraulic press ( 10 and 200 Tons)	Recurring	OLP 230432	2
497	Repairing of computer UPS	Recurring	OLP 230532	2
498	repairing of VBT	Recurring	OLP 230532	1
499	Replacement of filter Millipore water	Recurring	OLP 230532	3
500	Drilling machine	Recurring	OLP 230532	1
501	Wifi router	Recurring	OLP 230532	2
502	Wrench set	Recurring	OLP 230532	one pack
503	Exhaust Fan	Recurring	OLP 230532	3
504	Chemicals	Recurring	OLP 230532	as per requirement
505	Micropipette	Recurring	OLP 230532	1
506	Silver paste	Recurring	OLP 230532	1
507	Dies set 13mm	Recurring	OLP 230532	2
508	Dies set 13mm	Recurring	OLP 230532	1
509	Wifi router	Recurring	OLP 230532	2
510	Alumina crucibles	Recurring	OLP 230532	2

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511	1. ISO 11426:2021(en) Jewellery and precious metals 2.AS 3515.3: 2019 Gold and Gold Bearing alloys, 3.ISO 9202:2019 Jewellery and precious metals 4. ISO 11427:2014 Jewellery	Recurring	OLP 230532	as per requirement
512	TMP, attached with sputtering system	Recurring	OLP 230532	1
513	Rotaty oil pump	Recurring	OLP 230532	1 litre
514	C clamp set (25 and 16 KF), SS reducer, SS blank	Recurring	OLP 230532	3,2,3,1
515	TEM grids adhesive	Recurring	OLP 230532	2
516	TEM grids	Recurring	OLP 230532	3 boxes
517	1.Universal Joint 4 X 4 2.RM glass Quartz OD=3.95 mm/ID 3.35/L=250mm, 3.sample Quartz Tubes OD=5 mm , L =250 4. sample support (quartz) for He cryostat , 5.sample mounting rod 4mm 6.sample tube 2ID/3OD 7.sample tubes 1 ID/1.06 OD 8. teflon tape 9. flanges, 10. g-varnish, 11.power adaptor for angular FMR, 12. hot air blower	Recurring	OLP 230532	as per Requirement
518	1.Argon Gas Cyl – Research Grade Plus (6N -99.9999%) 2. Argon gas (normal) 3. Nitrogen gas (normal)	Recurring	OLP 230532	as per Requirement
519	Sputtering Consumbles (sputtering targets, Substrates, Vacuum grease , Quartz crystals, Oil seals etc.)	Recurring	OLP 230532	as per Requirement
520	1. double-sided tape, 2.Magnifying Lens, 3.Kapton tape, 4. Silver paste, 5. Kim wipes Tissue, 6. Extension board 7. Hot air gun 8. Air Blower 9. Digital therometer 10. Digital Hygrometer	Recurring	OLP 230532	as per Requirement
521	Repair (furnaces with repalcing MoSi2 heating elements, UPS, water chiller, air compressor, Desktop computer )	Recurring	OLP 230532	as per Requirement
522	1. Ram 16 GB, 2. 9V battery 3.CD ROM external 4. catridge (Brother printer & set for laserjetCP1025 printer) 5. Pendrive 64 GB 6. Solid state hard drive (SSD) 1TB	Recurring	OLP 230532	as per Requirement
523	CTAB, maleic acid, PEG-400, oleyamine,lauraylamine, Mangenese nitrate tetrahydrate	Recurring	OLP 230532	as per req.
524	Glassware for HPLC	Recurring	OLP 230532	110

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525	HPLC	Recurring	OLP 230532	1
526	Centrifuge, Hydraulic press	Recurring	OLP 230532	2
527	HP 12 A	Recurring	OLP 230532	5
528	12 Volt 7 Ah	Recurring	OLP 230532	3
529	1 TB SSD, 12 GB RAM, CDs, DVDs	Recurring	OLP 230532	15
530	Nitrogen and Oxygen gas with cylinder	Recurring	OLP 230532	2
531	Filteration Assembly, Micropipettes	Recurring	OLP 230532	2 each
532	Sovent, Buffer, IPRS	Recurring	OLP 230532	18 items
533	Zinc phosphate, Hydrocaffeic acid, EDC [1-ethyl-3-(3-dimethyl aminopropyl)carbodiimide], Hyaluronic Acid, Bioglass powder (90%), Chondroitin sulphate	Recurring	OLP 230532	6 items
534	KVA UPS	Recurring	OLP 230532	1
535	Pyknometer/Le- Chatelier Flask	Recurring	OLP 230532	5
536	Brother Printer Cartridge TN 2365	Recurring	OLP 230532	5
537	Brother Printer DR 2365 Drum Cartridge	Recurring	OLP 230532	2
538	Ceramic crucible for pot heater	Recurring	OLP 230532	as per req.
539	Sand blasted steel sheets	Recurring	OLP 230532	as per req.
540	NI powder and Ti Powder	Recurring	OLP 230532	as per req.
541	Ball mill balls	Recurring	OLP 230532	as per req.
542	Diamond Cutter	Recurring	OLP 230532	as per req.
543	MnO <sub>2</sub> , Formic acid, AuCl <sub>2</sub> , KMnO <sub>4</sub> , Ethyl Alcohol, Isopropyl Alcohol, Amyl acetate, Nh <sub>4</sub> OH	Recurring	OLP 230532	as per req.
544	MS Visual studio, Oracle, Doodle Maker	Recurring	OLP 230532	1 each
545	Blank CD/DVD, Telephone set, Router, Pen drive, External SSD, hard disk, extension boards, wire, plugs,mouse,webcam,keyboard etc. etc.	Recurring	OLP 230532	as per requirement
546	IC columns	Recurring	OLP 230532	1 No.
547	Kangaro HD 1217 stapler(big size)	Recurring	OLP 230532	as per requirement
548	Electrodes (glassy carbon, graphite, Molybdenum etc)	Recurring	OLP 230532	as per requirement
549	glassware item	Recurring	OLP 230532	as per requirement
550	Plasticware, Crucibles, Boats, Quartz tube, Kanthal wire etc.	Recurring	OLP 230532	as per requirement
551	Argon, Helium,Nitrogen etc.	Recurring	OLP 230532	as per requirement

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## NPL Non-Project Procurement List 2023-24 as on Jan 17 , 2024

552	1. Bismuth metal powder (100gm) , 2. Tellurium metal powder (100gm), 3. Selenium metal powder (100gm),4. Antimony metal powder (100gm), 5. Tin metal powder (100gm), 6. Polyvinyl pyrrolidone (100gm), 7. Alumina (500 g), 8. Silica (500 g), 9. Sodium silicate, 10.. Cerium oxide (500 g), 11. Zirconium oxide (500 g),12. Ascorbic acid (25 g), 13. Zinc oxide (500 g), 14. 1-Butyl-3-methyl imidazolium chloride (50 g), 15. Tri – n - amyl phosphate (500 g), 16. 1 Hexyl-3-methylimidazolium hexaflourophosphate (25 g), 17. 1-ethyl-3-methyl imidazolium chloride (25 g), 18. Dicyclohexano-18-crown-6 (500 g), 19. 1-Butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide (25 g)., 20. Standard of solid, solution etc, 21. Silver conducting paste (250 g), 22.Rare earth element standard 23. Other Chemicals etc	Recurring	OLP 230532	as per requirement
553	Antimony shots 99.999%, cobalt trace metal basis 99.95%, copper 99.999% powder,chromium metal chips 99.99%, Zinc metal basis 99.999%, bismuth metal basis 99.99%, Germanium metal pieces 99.99%, boron metal basis 99.999, lithium powder /trace metal basis 99.99%, vanadium metal basis 99.99%, Silver paint, Vacuum grease, GE varnish	Recurring	OLP 230532	as per requirement
554	Substrates, Sputtering targetplastic desiccators, Hair dryer , Autoclave, UV-polising Kit,alumina crucibles, Soldering station, pipe for heat and cold insulation, stainless steel dye for pellet making, thermocouples,soldering iron , diamond cutter pen type, dimond cutter blades , stainless steel twizers , Non magnetic twizers , tool kits, label printer cartridges and role banana and crocodile cables, Gas pipe line related assessories /tools, SS pipes, Quartz pipes and cutomize quartz item, Tantalum crucble hair dryer, welding burner, Brass rod, cooper road, teflon rod, hotoresist kit (complete set), chemicals as per requirement: Indium ingot, indium wire, Acetone, Methnol, ethnol, IPA, HCl, HNO3laboratory tools, Ball milling container, sputtering related consumables (gasket, holder, filter etc), AFM tips, Gases/ Gas Mixtures (Ar, H2, O2, N2, Ar+H2) Component for Gas line fabrication (ss tube, valves,Two way/ three way valves, Needle valves, T, Union, Elbow, four way cross, ferules, adopters clamps, o-rings) related assessories /tools, SS pipes,	Recurring	OLP 230532	as per requirement
555	Repair of scientific equipments/parts of instrument furnace etc.,Sputtering system upgradation	Recurring	OLP 230532	as per requirement
556	Repair of non scientific equipments like computer, printer, etc ,software development and up-gradation	Recurring	OLP 230532	as per requirement
557	AMC glove box	Recurring	OLP 230532	1

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## NPL Non-Project Procurement List 2023-24 as on Jan 17 , 2024

558	Repair and fixing field reversal unit to the electromagnet of CPW - FMR set up	Recurring	OLP 230532	1
559	XPS	Recurring	OLP 230532	15
560	S-R method Crystal Growth Set-up	Non- Recurring	OLP 230532	1
561	CTB with Cryostst	Non- Recurring	OLP 230532	1
562	Magnetic stirrer with hot plate	Non- Recurring	OLP 230532	1
563	Ultrasonic cleaning bath	Non- Recurring	OLP 230532	1
564	AMC of XRF	Recurring	OLP 230532	1
565	P 10 cylinder	Recurring	OLP 230532	2
566	Upgradation of existing computers	Recurring	OLP 230532	1
567	Nitrogen cylinder	Recurring	OLP 230532	2
568	Argon cylinder	Recurring	OLP 230532	2
569	Hardness tester	Recurring	OLP 230532	1
570	Bridgman Translation Wall Mounting Set-up	Non- Recurring	OLP 230532	1
571	Oil free dry vacuum pump	Non- Recurring	OLP 230532	1
572	X, Y Z stage micrometer controled	Non- Recurring	OLP 230532	2
573	Xenon lamp housing with power supply and cables	Non- Recurring	OLP 230532	1
574	Mechanical non-return pump isolation valve	Non- Recurring	OLP 230532	1
575	Peddler pump	Non- Recurring	OLP 230532	1
576	sonicator	Non- Recurring	OLP 230532	1
577	1KVA UPS	Non- Recurring	OLP 230532	2
578	Muffal Furnance 1000 degree centigrade, Electric Oven , Vacuum Pump	Non- Recurring	OLP 230532	1 each
579	Digital Vernier Caliper	Non- Recurring	OLP 230532	1
580	Constant temperature water bath	Non- Recurring	OLP 230532	1
581	Precision Weighing balance	Non- Recurring	OLP 230532	1
582	Standard Weight Box	Non- Recurring	OLP 230532	1
583	Pot Heater upto 500 centigrade	Non- Recurring	OLP 230532	1
584	Digital Heating mental with Constant Stirring	Non- Recurring	OLP 230532	1
585	Digital Hot plate stirrer	Non- Recurring	OLP 230532	2
586	Sonicator	Non- Recurring	OLP 230532	1
587	Digital Over Head Stirrer	Non- Recurring	OLP 230532	1
588	Balance of 0.01 mg readability	Non- Recurring	OLP 230532	1
589	Spin Coater with vacuum pump	Non- Recurring	OLP 230532	1
590	UPS 3KVA with battery bank	Non- Recurring	OLP 230532	1
591	Vacuum pump	Non- Recurring	OLP 230532	1
592	Weight set for calibration	Non- Recurring	OLP 230532	1 set
593	Items for instrument development (power supplies, monitor, level sensors, Mass flow controller, CCR and its component etc.)	Non- Recurring	OLP 230532	as per requirement
594	Digital storage Oscilloscope (DSO) 100 MHz, dual channel.	Non- Recurring	OLP 230532	1
595	chiller	Non- Recurring	OLP 230532	1
596	Electronics components, PCB, Drivers etc.	Recurring	OLP 230632	40
597	Optics, optoelectronics and optomechanical components	Recurring	OLP 230632	40
598	repair of UPS, Power supply, pump, printer, computer, etc	Recurring	OLP 230632	4

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## NPL Non-Project Procurement List 2023-24 as on Jan 17 , 2024

599	Repair of lasers, Offset generator and other minor equipments	Recurring	OLP 230632	4
600	HP-laserjet Q7551A Black	Recurring	OLP 230632	1
601	Wireless Access point	Recurring	OLP 230632	1
602	HUB POE	Recurring	OLP 230632	1
603	RAM	Recurring	OLP 230632	2
604	OLD PC repair	Recurring	OLP 230632	1
605	ECDL components	Recurring	OLP 230632	As Per Requirement
606	Optics, Optomechanics	Recurring	OLP 230632	As Per Requirement
607	Electrical, Electronics, RF cables with BNC connectors, RF cable swith SMA connectors, RF adaptors	Recurring	OLP 230632	As Per Requirement
608	Materials, springs, o-ring, mechanics	Recurring	OLP 230632	As Per Requirement
609	Optical Fibers, SFP, ethernet cables, Internet LAN cables	Recurring	OLP 230632	As Per Requirement
610	pdf documents reader and editor	Recurring	OLP 230632	As Per Requirement
611	Printer repair	Recurring	OLP 230632	As Per Requirement
612	USB, memory sticks, keyboard, mouse	Recurring	OLP 230632	As Per Requirement
613	Microcontrollers/SBCs, Components, Cables and Connectors	Recurring	OLP 230632	Misc
614	Microcontrollers/SBCs, Components, Cables and Connectors	Recurring	OLP 230632	Mis
615	Pendrive (64GB)	Recurring	OLP 230632	2
616	SFP module	Recurring	OLP 230632	2
617	Rapbery pi 4 module kit and associated accessories	Recurring	OLP 230632	1
618	printer catridges	Recurring	OLP 230632	2
619	connectors cables	Recurring	OLP 230632	miscellaneous
620	miscellaneous	Recurring	OLP 230632	miscellaneous
621	miscellaneous	Recurring	OLP 230632	miscellaneous
622	Heat shrink tube Kit	Recurring	OLP 230632	3
623	SMA connector	Recurring	OLP 230632	50
624	BNC male to SMA female Adaptor	Recurring	OLP 230632	50
625	SMA male to SMA male Adaptor	Recurring	OLP 230632	20
626	BNC male to BNC male Adaptor	Recurring	OLP 230632	20
627	BNC connector	Recurring	OLP 230632	50
628	N to BNC Male	Recurring	OLP 230632	10
629	SMA male to BNC female	Recurring	OLP 230632	20
630	RG-58 Cable	Recurring	OLP 230632	1
631	RG-45 connector	Recurring	OLP 230632	1
632	Battery	Recurring	OLP 230632	12
633	APC UPS Battery	Recurring	OLP 230632	2
634	Window 10 Pro	Recurring	OLP 230632	4
635	Keyboard (wired)	Recurring	OLP 230632	5
636	Mouse (wired)	Recurring	OLP 230632	5
637	SSD Internal Hard Disk	Recurring	OLP 230632	3
638	SSD Laptop Hard Disk	Recurring	OLP 230632	1
639	Receiver Module	Recurring	OLP 230632	5
640	USB to Serial Cable	Recurring	OLP 230632	10

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## NPL Non-Project Procurement List 2023-24 as on Jan 17 , 2024

641	Antivirus three years (10 user)	Recurring	OLP 230632	2
642	Server Antivirus three years	Recurring	OLP 230632	4
643	UPS Repair	Recurring	OLP 230632	2
644	Temperature and RH Sensors wirh Accessories	Recurring	OLP 230632	2
645	Tools Kit	Recurring	OLP 230632	1
646	Microsoft office	Recurring	OLP 230632	2
647	TIC Module	Recurring	OLP 230632	2
648	AC Power Module	Recurring	OLP 230632	3
649	DC Power Module	Recurring	OLP 230632	1
650	Oplink Module	Recurring	OLP 230632	2
651	SFP Transceiver	Recurring	OLP 230632	10
652	Repeaters	Recurring	OLP 230632	5
653	NUC	Recurring	OLP 230632	1
654	HIGH CURRENT CABLES (100A)	Recurring	OLP 230632	2
655	LC (M) - (M) ADAPTER	Recurring	OLP 230632	1
656	WIRED MOUSE	Recurring	OLP 230632	5
657	Emergency light	Recurring	OLP 230632	2
658	Mats	Recurring	OLP 230632	1 (3m*4m)
659	Manual coil winder	Recurring	OLP 230632	1
660	Enamelled copper wire (assorted gauge)	Recurring	OLP 230632	5
661	Electronic components (lcs, resistors, capacitors etc.)	Recurring	OLP 230632	20 each
662	Electronic sensors & modules	Recurring	OLP 230632	20
663	Actuators & drivers (servo motors, stepper motors & dc motors etc.)	Recurring	OLP 230632	15
664	Filaments & accessories for 3D printer	Recurring	OLP 230632	10
665	Electrical & Electronic Tool kit	Recurring	OLP 230632	2
666	Lexmark Printer Cartridge	Recurring	OLP 230632	1 set
667	1024 GB SSD hard drive	Recurring	OLP 230632	4
668	Servicing & upgradation of AC magnetic field generation system	Recurring	OLP 230632	1
669	Batteries for computer UPS	Recurring	OLP 230632	6
670	Chemicals	Recurring	OLP 230632	As per requirement
671	Plasticware	Recurring	OLP 230632	As per requirement
672	Glassware	Recurring	OLP 230632	As per requirement
673	Repair of Muffle Furness	Recurring	OLP 230632	As per requirement
674	Repair of Pump	Recurring	OLP 230632	As per requirement
675	UPS repair	Recurring	OLP 230632	As per requirement
676	Temperature & Humidity Indicators	Recurring	OLP 230632	4
677	Repair of UPS with batteries replacement	Recurring	OLP 230632	30
678	High Power Attenuators	Recurring	OLP 230632	2
679	Replacement of Spectrum Analyzer battery	Recurring	OLP 230632	1
680	FB Interferometer Control Box	Recurring	OLP 230632	1
681	vapor Cell Heaing Cap	Recurring	OLP 230632	4
682	Multifold single control stand	Recurring	OLP 230632	2
683	Adopter and connector	Recurring	OLP 230632	2 pack
684	Repair of 6.5 digit Multimeter	Recurring	OLP 230632	one

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## NPL Non-Project Procurement List 2023-24 as on Jan 17 , 2024

685	Ics, connectors, cables etc.	Recurring	OLP 230632	Misc.
686	PCB fabrication	Recurring	OLP 230632	Misc.
687	temp and humidity sensor with cable	Recurring	OLP 230632	one
688	assembly and packaging of data logger circuit	Recurring	OLP 230632	one
689	Cesium vapour cells	Recurring	OLP 230632	two
690	AMC LED display (rooftop)	Recurring	OLP 230632	one
691	Power supply extension board	Recurring	OLP 230632	2
692	Electronic accessories storage cabinet & bins	Recurring	OLP 230632	As per requirement
693	LAN port Wifi router	Recurring	OLP 230632	2
694	Electronic accessories & components, boards etc	Recurring	OLP 230632	1
695	Transreceivers	Non- Recurring	OLP 230632	2
696	Precision Fixed Workstation	Non- Recurring	OLP 230632	1
697	Computer Workstation	Non- Recurring	OLP 230632	1
698	Multi-function printer	Non- Recurring	OLP 230632	1
699	Multi functional printer	Non- Recurring	OLP 230632	1
700	PMU TEST BENCH	Non- Recurring	OLP 230632	1
701	SWITCHING MATRIX	Non- Recurring	OLP 230632	1
702	POWER SENSOR	Non- Recurring	OLP 230632	1
703	6.5 DMM	Non- Recurring	OLP 230632	1
704	2KVA UPS WITH ISOLATION TRANSFORMER	Non- Recurring	OLP 230632	1
705	Digital Oscilloscope	Non- Recurring	OLP 230632	1
706	DC Source Meter	Non- Recurring	OLP 230632	1
707	Magnet permeability Meter	Non- Recurring	OLP 230632	1
708	Solenoid (upto 1200 gauss)	Non- Recurring	OLP 230632	1
709	Photocopier Machine	Non- Recurring	OLP 230632	1
710	Hydraulic Trolley	Non- Recurring	OLP 230632	1
711	Magnetic Stirrer Multi point	Non- Recurring	OLP 230632	2
712	Digital Polari meter	Non- Recurring	OLP 230632	1
713	Circulating Chiller for VSM	Non- Recurring	OLP 230632	1
714	WorkStation	Non- Recurring	OLP 230632	2
715	Network Storage Device	Non- Recurring	OLP 230632	1
716	Data Server	Non- Recurring	OLP 230632	1
717	Instrument Rack	Non- Recurring	OLP 230632	1
718	Managed Switch	Non- Recurring	OLP 230632	1
719	DC power supply	Non- Recurring	OLP 230632	1
720	Computer Printer	Non- Recurring	OLP 230632	1
721	Fiber coupling unit with digilock	Non- Recurring	OLP 230632	1
722	Laser shutter heads with driver	Non- Recurring	OLP 230632	1
723	Spare parts and Repair of Nabertherm High Temp. Tube Furnace (Model No. RHTH 120/600/16)	Recurring	OLP 230232	1
724	Bipolar Magnet power supply (Make: Polynic, BCS 75)	Non- Recurring	OLP 230232	1
725	Cat6 Ethernet Cable Roll Yellow	Recurring	OLP 230732	10
726	ethernet jointer/coupler	Recurring	OLP 230732	100
727	RJ45 connector	Recurring	OLP 230732	20 boxes
728	maintenance of existing fiber cables including re-splicing of cores	Recurring	OLP 230732	(solution)

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## NPL Non-Project Procurement List 2023-24 as on Jan 17 , 2024

729	Gangbox, Faceplate, Keystone Jack	Recurring	OLP 230732	50 set
730	Fiber Switch	Recurring	OLP 230732	2
731	LAN tester	Recurring	OLP 230732	20
732	battery(26AH) for existing UPS	Recurring	OLP 230732	3
733	CMOS battery	Recurring	OLP 230732	100
734	stapler (Stapling Capacity for 80 GSM Paper (Sheets): 25)	Recurring	OLP 230732	2
735	Cat 6 UTP Grey LAN Cable	Recurring	OLP 230732	3
736	Cat 6 UTP Red LAN Cable	Recurring	OLP 230732	3
737	Cat 6 UTP Blue LAN Cable	Recurring	OLP 230732	3
738	Fibre patch cord SC-LC	Recurring	OLP 230732	30
739	Fibre patch cord LC-LC	Recurring	OLP 230732	30
740	Windows Server OS	Recurring	OLP 230732	2
741	NICSI empanelled security audit, STQC-GIGW hosting etc of website with 3 years maintenance	Recurring	OLP 230732	(solution)
742	domain purchase for 10 years	Recurring	OLP 230732	(solution)
743	Origin Software	Recurring	OLP 230732	500
744	PCIe NVMe (1Tb)	Recurring	OLP 230732	1
745	SMPS	Recurring	OLP 230732	1
746	Punching Tool	Recurring	OLP 230732	10
747	Switches	Recurring	OLP 230732	10
748	HP printer Cartridge ( 12 A)	Recurring	OLP 230732	1
749	Keyboard and USB Mouse	Recurring	OLP 230732	2
750	Jute Foot Mat (full size)	Recurring	OLP 230732	5
751	Zebra Barcode Printer Ribon, Self adhesive Sticker	Recurring	OLP 230732	5
752	HP printer Cartridge ( CB36AC)	Recurring	OLP 230732	2
753	SMPS for Destop	Recurring	OLP 230732	4
754	RAM	Recurring	OLP 230732	4
755	Pendrive (512 gb)	Recurring	OLP 230732	5
756	RAM (8GB) All-in-One	Recurring	OLP 230732	2
757	Portable Hard Disk (4TB)	Recurring	OLP 230732	4
758	HP 955 XL B/C/M/Y Combo Set of 4 (955XL)	Recurring	OLP 230732	2
759	HP printer Cartridge ( 11 A)	Recurring	OLP 230732	2
760	51A (2 toner)	Recurring	OLP 230732	2
761	CC388AC (2 toner)	Recurring	OLP 230732	2
762	Data centre renovation	Non- Recurring	OLP 230732	1
763	Server	Non- Recurring	OLP 230732	5
764	Printer cum scanner – laserjet	Non- Recurring	OLP 230732	4
765	1 KVA UPS	Non- Recurring	OLP 230732	2
766	vacuum cleaner cum blower	Non- Recurring	OLP 230732	1
767	5 G supported WiFi Router	Non- Recurring	OLP 230732	5
768	News Paper Stand fro 10 Papers	Non- Recurring	OLP 230732	1
769	Destop Computer (Pre Installed MS office)	Non- Recurring	OLP 230732	6
770	650 VA UPS	Non- Recurring	OLP 230732	10
771	Toner 2612A	Recurring	OLP 230732	30
772	Toner CE-278a	Recurring	OLP 230732	30
773	HP Laser jet 53 A	Recurring	OLP 230732	2

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774	HP Laser jet 2420 (11A)	Recurring	OLP 230732	2
775	keyboard for computer	Recurring	OLP 230732	5
776	Mouse with wire for computer	Recurring	OLP 230732	5
777	pen Drive 128 GB	Recurring	OLP 230732	10
778	Hard Drive (SSD), 1 TB Each	Recurring	OLP 230732	2
779	RAM 8GB Each	Recurring	OLP 230732	5
780	SS Drive 500GB	Recurring	OLP 230732	5
781	MS Angle 25x25x3mm	Recurring	OLP 230732	5 length
782	MS Angle 25x25x5mm	Recurring	OLP 230732	5 length
783	MS Angle 35x35x3mm	Recurring	OLP 230732	5 length
784	MS Angle 35x35x5mm	Recurring	OLP 230732	5 length
785	MS Angle 40x40x5mm	Recurring	OLP 230732	5 length
786	MS Angle 40x40x6mm	Recurring	OLP 230732	5 length
787	MS Angle 50x50x6mm	Recurring	OLP 230732	5 length
788	MS Flange Class ANSI 150, Size: DN 300	Recurring	OLP 230732	2 nos.
789	MS Flats 20x3mm	Recurring	OLP 230732	5 length
790	MS Flats 20x5mm	Recurring	OLP 230732	5 length
791	MS Flats 25x3mm	Recurring	OLP 230732	5 length
792	MS Flats 25x5mm	Recurring	OLP 230732	5 length
793	MS Flats 50x5mm	Recurring	OLP 230732	5 length
794	MS Flange, Class ANSI 300 , Size: DN300	Recurring	OLP 230732	2 nos.
795	HSS End Mill Cutter 5mm,10mm,20mm,25mm,50mm 75mm	Recurring	OLP 230732	02 each
796	4" and 5" Bosch Grinder and cutter machine	Recurring	OLP 230732	01 each
797	MS Welding Rod 3.15mm	Recurring	OLP 230732	10 Pkt
798	Emery Cloth - Rough, Medium, Fine and Extra Fine	Recurring	OLP 230732	10 Nos each
799	Sealing wire	Recurring	OLP 230732	05 Roll
800	Sealing Lead Round	Recurring	OLP 230732	3 Kg
801	Drill Machine Bosch	Recurring	OLP 230732	1 no.
802	Pipe for LPG and Oxygen Gas Cyliner	Recurring	OLP 230732	20 Mtr
803	Chloroform	Recurring	OLP 230732	2.5 Ltr
804	Inch Tape 3 meter	Recurring	OLP 230732	10 nos.
805	12PCS HSS Drill Bit 12-55mm Hole Saw Set Carbide Tipped Wood Metal Core Drill Bit Hole Saw Cutter Kit Hand Tool, Hex	Recurring	OLP 230732	1 Set
806	MS Flange, Size DN 200 Class ANSI 150	Recurring	OLP 230732	4 nos.
807	Repair of maskot Power Hackshaw	Recurring	OLP 230732	1 no.
808	Repair of Bosch Power Hackshaw	Recurring	OLP 230732	1 no.
809	Repair of Hand Grinder	Recurring	OLP 230732	1 no.
810	Repair of Plasma welding machine	Recurring	OLP 230732	1 no.
811	servicing of vaccume Pump	Recurring	OLP 230732	1 no.
812	Servicing of Welding Torch	Recurring	OLP 230732	1 no
813	Coolar pump and Cooler Khush	Recurring	OLP 230732	10 nos. Each
814	Safety Googles	Recurring	OLP 230732	10 nos.
815	Hand Glooves	Recurring	OLP 230732	10 Pkt
816	MS Reducer, Size: DN 300 to DN 200	Recurring	OLP 230732	4 nos.

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817	Mask for Graphite Work	Recurring	OLP 230732	1 Pkt
818	SS Welding Rod 2.5mm, 3.15mm	Recurring	OLP 230732	5 Pkt Each
819	Oxygen Gas Cylinder (Refilling)	Recurring	OLP 230732	10 nos.
820	LPG Gas Cylinder (Refilling)	Recurring	OLP 230732	10 nos
821	Argon Gas Cylinder (Refilling)	Recurring	OLP 230732	2 nos.
822	Acetylene Gas Cylinder (Refilling)	Recurring	OLP 230732	2 nos.
823	Grease	Recurring	OLP 230732	2 kg
824	Double Ended Spanners	Recurring	OLP 230732	02 Nos.
825	Different sizes and different Materials Screw	Recurring	OLP 230732	50 Pkt
826	Diamond Wheel for Glass tube Cutting Machine	Recurring	OLP 230732	1
827	3 x Soft Cotton Polishing Buffing Wheel Bench Grinder 4", 5" and 6"	Recurring	OLP 230732	4 Nos Each
828	Grinding Wheels For Bench Grinder	Recurring	OLP 230732	2 nos.
829	HSS Hand Hacksaw Blade 12"x0.5"x0.025"	Recurring	OLP 230732	20 nos
830	HSS Hand Hacksaw Blade 14"x1"x0.050"	Recurring	OLP 230732	10 nos.
831	HSS Hand Hacksaw Blade 18"x1.5"x0.062"	Recurring	OLP 230732	10 nos.
832	Hacksaw Frame with 5 Pieces Blades	Recurring	OLP 230732	5 nos.
833	Safety Shoes	Recurring	OLP 230732	11 pairs
834	MS Pipe 300DN	Recurring	OLP 230732	1 Length
835	Portable Air Compressor	Non- Recurring	OLP 230732	1
836	1 kVA offline UPS	Non- Recurring	OLP 230732	2
837	Vacuum Cleaner	Non- Recurring	OLP 230732	1
838	Cartridge Q2612AC (for hp printer)	Recurring	OLP 230732	08 Nos
839	Cartridge DR-BO21 (for brother printer)	Recurring	OLP 230732	03 Nos
840	Cartridge (hp Colour printer) (i) CF380XC (ii) CF381AC (iii) CF382AC (iv) CF383AC	Recurring	OLP 230732	02 Set
841	1 TB External SSD	Recurring	OLP 230732	02 Nos.
842	2 TB External SSD	Recurring	OLP 230732	02 Nos.
843	1 TB Internal SSD	Recurring	OLP 230732	01 Nos
844	32 GB Pen Drive	Recurring	OLP 230732	05 Nos
845	64 GB Pen Drive	Recurring	OLP 230732	05 Nos
846	USB Keyboards with Mouse (Wireless)	Recurring	OLP 230732	2 Nos.
847	USB Keyboards with Mouse (With wire)	Recurring	OLP 230732	04 Nos
848	Blue Pen Trimex	Recurring	OLP 230732	20 Nos
849	Blue Pen Adgel	Recurring	OLP 230732	20 Nos
850	Ball Pen Jetter	Recurring	OLP 230732	20 Nos
851	One Side Glossy Paper A4 size (100 sheet)	Recurring	OLP 230732	01 pkts
852	Photocopy A4 Size white paper	Recurring	OLP 230732	20 Reams
853	Scissor medium size 6"	Recurring	OLP 230732	05 Nos
854	Stapler (Small, Medium & Big size)	Recurring	OLP 230732	Each Two
855	Double hole punching machine	Recurring	OLP 230732	05 Nos
856	Spiral Binding Meeting Pads	Recurring	OLP 230732	50 Nos
857	Adhesive Plastic Flag (in different colours)	Recurring	OLP 230732	20 Pkts
858	Different Colour (Brown, Black, Green, Blue and Transparent) size 2" Plastic Tape	Recurring	OLP 230732	Each 02 Rolls
859	Cello Tape Size 1"	Recurring	OLP 230732	10 Nos

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## NPL Non-Project Procurement List 2023-24 as on Jan 17 , 2024

860	Repairs of Computers, Printers and Scanners	Recurring	OLP 230732	Each 02
861	Towels	Recurring	OLP 230732	16 Nos
862	Dusters	Recurring	OLP 230732	16 Nos
863	Misc. items	Recurring	OLP 230732	As per Req.
864	Rotary Pump	Non- Recurring	OLP 230432	1
865	Ag/AgCl reference electrode	Recurring	OLP 230432	1
866	Pt Counter electrode	Recurring	OLP 230432	1
867	DC Power supply, single-output, auto-range: 30 V, 20A, 200 W: LAN, USB	Non- Recurring	OLP 230632	1
868	Refilling of Helium and helium gas mixture	Recurring	OLP 230332	5
869	Refilling of Zero gas Air	Recurring	OLP 230332	20
870	Refilling of Hydrogen gas	Recurring	OLP 230332	10
871	lamp of SO2 Analyser	Recurring	OLP 230332	1
872	Pump of NH3-Nox Analyser	Recurring	OLP 230332	1
873	lab Consumable (Substrate, shadow mask, Quartz tube, alumina boat, thermocuple, etc.)	Recurring	OLP 230332	As required
874	Repair of Computer connected to UHI PLD system & UPS for computer	Recurring	OLP 230332	1 Each
875	vacuum accessories (backing/Roughing valve, 2/3 way valves, push fit connectors, gas lines, etc)	Recurring	OLP 230332	As required
876	Mass flow controller	Recurring	OLP 230332	2
877	SS bubbler assembly	Recurring	OLP 230332	1
878	high purity metals	Recurring	OLP 230332	As required
879	Sputter target	Recurring	OLP 230332	As required
880	Excimer laser gas	Recurring	OLP 230332	1
881	Repairing for GHG system (at palampur)	Recurring	OLP 230332	1
882	Glass Desiccator	Recurring	OLP 230332	1
883	plastic storage Box etc	Recurring	OLP 230332	1
884	cartridge HP678 tricolor	Recurring	OLP 230332	1
885	Cartridge HP 678 black	Recurring	OLP 230332	1
886	Brother MFC-L2700DW	Recurring	OLP 230332	1
887	Filter cassettes	Recurring	OLP 230332	1
888	Light weight Extension	Recurring	OLP 230332	1
889	Acetone, HPLC Grade Purity (≥99.9%)	Recurring	OLP 230332	10L
890	Dichloromethene, HPLC Grade Purity (≥99.9%)	Recurring	OLP 230332	5L
891	Pyridine, HPLC Grade Purity (≥99.9%)	Recurring	OLP 230332	1x100 ml
892	Hexane, Reagent Plus purity ≥99%	Recurring	OLP 230332	1L
893	Nitrogen 99.999% Purity	Recurring	OLP 230332	2
894	Helium 99.999% Purity	Recurring	OLP 230332	3
895	Zero Air 99.999% Purity	Recurring	OLP 230332	2
896	Repairing of Chimney	Recurring	OLP 230332	3
897	Repair of tubular furnance	Recurring	OLP 230332	1
898	repairing of fume hood	Recurring	OLP 230332	1
899	external hard M.2 slot	Recurring	OLP 230332	1
900	optical mouse keyboard	Recurring	OLP 230332	1
901	engine oil for compressor	Recurring	OLP 230332	10 ltr.
902	LED strip light (red)	Recurring	OLP 230332	1

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903	power supply 12V	Recurring	OLP 230332	2
904	Nitrogen gas	Recurring	OLP 230332	5
905	Biodyne membrane	Recurring	OLP 230332	25
906	pen drive (128 GB)	Recurring	OLP 230332	5
907	Dialysis tubing	Recurring	OLP 230332	2
908	Hydrazine hydrate	Recurring	OLP 230332	1
909	Substrate for thin film	Recurring	OLP 230332	As Req.
910	Miscellaneous consumable (silver paste, silicon heater, cable tie, kepton tape, sample boxes, 3-pin 16Amp Plugs, male -female 2 pin connectors, wall mount fans (4) high pressure washer, batteries for UPS 1KVA, etc.	Recurring	OLP 230332	As Req.
911	Cryo pump tubing for low temperature PL system	Recurring	OLP 230332	1 pair
912	Shutter card for PL System	Recurring	OLP 230332	1
913	Columns & other consumable for GC	Recurring	OLP 230332	4
914	wooden cabinet for GC spare storage	Recurring	OLP 230332	1
915	laser flash lamp	Recurring	OLP 230332	1
916	multichannel Scalar-Photon counter with software	Recurring	OLP 230332	1
917	PM 2.5 Sampler	Non- Recurring	OLP 230332	2
918	PM 1 Sampler	Non- Recurring	OLP 230332	2
919	Buyback offer for CAAMS (at palampur)	Non- Recurring	OLP 230332	1
920	PM1 sampler	Non- Recurring	OLP 230332	1
921	High performance Computer	Non- Recurring	OLP 230332	1
922	PM 1 sampler	Non- Recurring	OLP 230332	1
923	Pump with mass flow controller	Non- Recurring	OLP 230332	1
924	Portable temperature and humidity Sensor with data logger	Non- Recurring	OLP 230332	1
925	Stirrer	Non- Recurring	OLP 230332	1
926	AWS	Non- Recurring	OLP 230332	1
927	Hot Plate	Non- Recurring	OLP 230332	1
928	PM 1 Sampler Envirotech APM-578	Non- Recurring	OLP 230332	1
929	Multiproduct calibrator	Non- Recurring	OLP 230332	1
930	Hot Plate	Non- Recurring	OLP 230332	1
931	Air compressor	Non- Recurring	OLP 230332	1
932	Rotary pump for sputtering system	Non- Recurring	OLP 230332	1
933	Radon Dosimeter	Non- Recurring	OLP 230332	1
934	mass flow controller	Non- Recurring	OLP 230332	1
935	fabrication of Automatic cylinder lifting system	Non- Recurring	OLP 230332	1
936	Differential pressur guaga / sensor	Non- Recurring	OLP 230332	2
937	Hydraulic Hot Press	Non- Recurring	OLP 230432	1
938	Computer repair	Recurring	OLP 230232	As per Req
939	Gases	Recurring	OLP 230232	As per Req
940	Eddy Current Separator	Non- Recurring	OLP 230432	1
941	Probe Sonicator	Non- Recurring	OLP 230432	1
942	probe Positioner	Non- Recurring	OLP 230432	1
943	Repair Sonicator	Recurring	OLP 230432	1
944	Repair Oven	Recurring	OLP 230432	1

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## NPL Non-Project Procurement List 2023-24 as on Jan 17 , 2024

945	Visible Mirrors and Plan Mirrors	Recurring	OLP 230132	5 Each
946	silicon Oil (CST-100)	Recurring	OLP 230132	30 Ltr.
947	Spinneret	Recurring	OLP 230432	1
948	Spare parts and repair of Hi pace 700 Turbo Molecular Pump (Model No. PM P03934, Sr. No. 16659766, 15745187)	Recurring	OLP 230232	2
949	UPS batteries with buy back of old batteries	Recurring	OLP 230232	22 Nos
950	(Spare parts for Atlas Copco air compressor, Model: GX2 P200) (i)Air Filter (Element)-1No. (ii)Roto Xtend Duty Oil- 5 Litre (iii) Oil Filter-1 No.(iv)Oil Separator-1 No.	Recurring	OLP 230132	Each 01 No.
951	3 piece die mold (50mm x 50mm)	Recurring	OLP 230432	1
952	Gas cleaning system UV-plus for ICP OES	Recurring	OLP 230532	1
953	Nozzle head 5-fold Multi GIS	Recurring	OLP 230232	1
954	Multi-function Printer cum copier	Non- Recurring	OLP 230732	1
955	2 kVA UPS	Non- Recurring	OLP 230732	1
956	18" TFT screen	Non- Recurring	OLP 230132	3
957	Wireless Access point	Recurring	OLP 230432	2
958	Hydrogen regulator	Non- Recurring	OLP 230432	2
959	Methane regulator	Non- Recurring	OLP 230432	2
960	Titanium Aluminium carbide	Recurring	OLP 230432	2
961	Niobium Aluminium carbide	Recurring	OLP 230432	2
962	Molybdenum Titanium Aluminium carbide	Recurring	OLP 230432	1
963	Lithium Fluoride	Recurring	OLP 230432	1
964	Zinc Chloride	Recurring	OLP 230432	1
965	Ferric Chloride hexahydrate	Recurring	OLP 230432	1
966	4,4 diaminodiphenyl sulfone	Recurring	OLP 230432	1
967	2-methylimidazole	Recurring	OLP 230432	1
968	Polyaniline (emadaline)	Recurring	OLP 230432	1
969	UPS	Non- Recurring	OLP 230232	1
970	AMC for FESEM	Recurring	OLP 230532	1
971	AMC for XRF	Recurring	OLP 230532	1
972	AMC for EPR	Recurring	OLP 230532	1
973	AMC for XRD	Recurring	OLP 230532	1
974	AMC for Magneto-rheometer	Recurring	OLP 230532	1
975	AMC for FTIR	Recurring	OLP 230532	1
976	AMC for ICP -OES	Recurring	OLP 230532	1
977	AMC for IC	Recurring	OLP 230532	1
978	Turbula Mixer Blender	Non- Recurring	OLP 230432	1
979	Mild Steel Crusher Hammer Mill	Non- Recurring	OLP 230432	1
980	Repairing of Vacuum Oven	Non- Recurring	OLP 230432	1
981	Hydrothermal Autoclave Reactor	Recurring	OLP 230432	1
982	Renewal of Firewall licence	Non- Recurring	OLP 230732	1
983	Microsoft office 2021. Professional Plus with MS-Word, MS Excel, MS PowerPoint, MS Outlook, MS Publisher, MS Access	Recurring	OLP 230432	2

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## NPL Non-Project Procurement List 2023-24 as on Jan 17 , 2024

984	Replacement of electronic control Card, IGBTs, capacitors etc in 5KVA Online UPS system of 'Unline' make.	Recurring	OLP 230332	1
985	Fabrication of a Screw ( Approximate Length 73 inch and diameter 6 inch)	Recurring	OLP 230432	1
986	Homogenizer	Non- Recurring	OLP 230432	1
987	Rockwell Hardness Reference Blocks	Recurring	OLP 230132	27 blocks
988	Oil Purifier Heater	Non- Recurring	OLP 230732	2
989	Fabrication of Wooden Cabinet for the storage of GC spare parts	Recurring	OLP 230332	02 nos
990	Fabrication of Angle Iron rack for cylinder storage	Recurring	OLP 230332	02 nos
991	Oxygen sensor wall mounted	Recurring	OLP 230332	01 nos
992	Hydrogen sensor wall mounted	Recurring	OLP 230332	01 nos
993	Safety Shoes for Gas Lab	Recurring	OLP 230332	06 nos
994	ISO 19229	Recurring	OLP 230332	01 nos
995	Cotton Gloves, Tags for Cylinders, Safety Labels for gas storage room, etc	Recurring	OLP 230332	As per req.
996	Fittings for GC and Vacuum system	Recurring	OLP 230332	As per req.
997	Laboratory chairs , Revolving chairs with arm, Executive chair	Non- Recurring	OLP 230432	6,6,3
998	Executive Chair, Rotating Chair, Executive Table	Non- Recurring	OLP 230732	7, 4, 2
999	Digital vacuum indicator with sensor	Recurring	OLP 230432	3

**UPDATED AS ON JAN 17 , 2024**

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