

NPL Non-Project Procurement List 2022-23 as on 6th July 2022

S.No.	Instrument Name (Description of Items)	Quantity	Notional No.
1	Stopwatch	2	OLP 210132
2	Thermometers	2	OLP 210132
3	4 inch V- block Magnet	1	OLP 210132
4	100 mm long dial gauge indicator	1	OLP 210132
5	Hand Held Multi Meter	1	OLP 210132
6	LCR Meter	1	OLP 210132
7	Vacuum cleaner	1	OLP 210132
8	Hot plate cum Magnetic stirrer	1	OLP 210132
9	Hand held Potable UV Radiometer	3	OLP 210132
10	Furnace	1	OLP 210132
11	Scuffolding (Adjustable)	1	OLP 210132
12	CCTV Camera	4	OLP 210132
13	Digital Thermometer and Humidity Device	5	OLP 210132
14	Uninterruptible power supply	1	OLP 210132
15	Webcam	2	OLP 210132
16	Computer desktop	1	OLP 210132
17	Computer desktop	1	OLP 210132
18	Uninterruptible power supply	1	OLP 210132
19	Uninterruptible power supply	1	OLP 210132
20	LVDT	1	OLP 210132
21	Refrigerator	1	OLP 210132
22	Digital Multimeter	1	OLP 210132
23	Radar Gun for speed measurements	1	OLP 210132
24	Air Compressor System	1	OLP 210132
25	Exhaust system for density	1	OLP 210132
26	Periodic verification of NPK-57 at BIPM France	1	OLP 210132
27	Glassware	As Per Req	OLP 210132
28	Chemicals (Liquid form) Ethanol etc.	As Per Req	OLP 210132
29	open pillow block	2	OLP 210132
30	feller Gauge set	1	OLP 210132
31	precision pivot bearing	1	OLP 210132
32	Repair of main board for UC 300 controller with parameter for LEGEX 9106 CMM	1	OLP 210132
33	Silicone Oil for 300 oC Temperature Bath	35 L	OLP 210132
34	Repair of equipment	1	OLP 210132
35	Substrates	1 set	OLP 210132
36	Chemicals	1 Set	OLP 210132
37	UV discharge Sources	3	OLP 210132
38	Calibration Lamps	8	OLP 210132
39	Deuterium & Halogen Light Source with power supply	1	OLP 210132
40	Electrical / Electronics components	As Per Req	OLP 210132
41	Polystyrene film	1	OLP 210132
42	UV-VIS Spectrophotometer Standard	1	OLP 210132

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43	Chemicals	As Per Req	OLP 210132
44	Trolley Bag	1	OLP 210132
45	Aluminium / Acrylic / or any other suitable material	As Per Req	OLP 210132
46	Glasswares	As Per Req	OLP 210132
47	Magnetic mounts	5	OLP 210132
48	Laboratory Jack	3	OLP 210132
49	Photodiode	3	OLP 210132
50	Strain gauges	50	OLP 210132
51	Adhesive for strain gauge	5	OLP 210132
52	Laser Diodes	2	OLP 210132
53	Optical Lens	5	OLP 210132
54	Beam Splitter	2	OLP 210132
55	Nitrogen gas cylinders	5	OLP 210132
56	AMC for Raman spectrometer	1	OLP 210132
57	Visible mirrors	4	OLP 210132
58	Electronic Components	Mixed	OLP 210132
59	CodeVisionAVR Advanced License	2	OLP 210132
60	HP 1010 and MLT D 103 Cartridge	3	OLP 210132
61	Transducer Discs	15	OLP 210132
62	Transducers with cable	2	OLP 210132
63	He, Ar, O2 and N2 gas for day to day calibration process	As Per Req	OLP 210132
64	(1) Kimiper EXL, delicate task wipers (special tissue paper box) (2) valves and fitting, (3) Silver paint and isoamyl acetate (4) Copper Gasket, (5) Nitrile gloves, (6) ITO coated glass substare, (7) steel/aluminium dotty seal different sizes like 6,8,10,12,15,20 mm ID (8) PVC pipe (9) lens (10) twizzer (11) lens cleaning tissue (12) batteries (13) filter paper (14) Laser safty goggle and kits, (15) Desiccators, etc.	As Per Req	OLP 210132
65	AMC of Primary Pressure Standard (NPL-H1)	1	OLP 210132
66	Sebacate Oil	5 Liter	OLP 210132
67	White Dhoti	100	OLP 210132
68	Spirit Level	1	OLP 210132
69	Job work for fabrication of High Pressure fittings	1	OLP 210132
70	Noise Mapping Software	1	OLP 210132
71	Wireless Transmitter for Building Acoustics Signal Generator	1	OLP 210132
72	Syringes, 5ml	2	OLP 210132
73	Decade resistance box	1	OLP 210232
74	Eddy current conductivity meter	1	OLP 210232
75	Digital micrometer	1	OLP 210232
76	5 kVA online UPS	1	OLP 210232
77	Voltage Stabilizer (400V, 150kVA, 3 ph)	1	OLP 210232
78	Multi Ratio PTs (1) (110V-1000V)/110V (2) (11kV-33kV)/110V (3) (1.1kV-4.4kV)/110V	3	OLP 210232
79	CT Burden Box (1A)	1	OLP 210232
80	Mixed Signal Oscilloscope	1	OLP 210232

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81	EMF Tester	1	OLP 210232
82	Ultrasonic Probe Sonicator	1	OLP 210232
83	Digital Weighing Balance	1	OLP 210232
84	Test Cell for Dielectric Fluids	1	OLP 210232
85	Insulation Resistance Tester	1	OLP 210232
86	AC high voltage breakdown tester	1	OLP 210232
87	10 kVA UPS with batteries and isolation transformer	1	OLP 210232
88	Hydraulic Jack	1	OLP 210232
89	Compressor Charge and vent adaptor with Hoses	1	OLP 210232
90	Stainless Steel Vaccum Oven	1	OLP 210232
91	High Precision Dual Channel Thermo-Hygrometer/ logger	1	OLP 210232
92	Water chiller	1	OLP 210232
93	Full range vacuum gauge	1	OLP 210232
94	3 zone tube furnace	1	OLP 210232
95	Batteries. 12 V, 7.2 Ah	6	OLP 210232
96	Keithley trigger link cable 8501-1	2	OLP 210232
97	Fuse(slow blow) 20A	5	OLP 210232
98	Fuse(slow blow) 1.25 A and 3 A	6	OLP 210232
99	Copper lugs, U type	1 packet	OLP 210232
100	SS tubes for susceptibility measurement setup for dielectric materials	1	OLP 210232
101	Resistivity test fixture keithley 8009	1	OLP 210232
102	Repair of air bath	1	OLP 210232
103	Triax cable with connector keithley	2	OLP 210232
104	BNC to BNC cable with connector	3	OLP 210232
105	Precision Components, Connectors & Cables	As Per Req	OLP 210232
106	Instrument Rack (movable)	1	OLP 210232
107	Shockproof Shoes	3	OLP 210232
108	Angle Grinders	1	OLP 210232
109	Power Supply cardfor current amplifier of MTS320 Meter test bench	1	OLP 210232
110	Screw driver set for General Purpose	1	OLP 210232
111	Upgradation of MTS 320 mutipostion meter test system for testing of smart energy meters	1	OLP 210232
112	PPMS Pucks for the Quantum Design (DC and ACT Pucks	2	OLP 210232
113	Sputtering targets: (Nb, Mo, Ta, W): 2" dia, 3mm thickness, Purity: 99.99%, Qty: 01 per material	4	OLP 210232
114	Substrate/wafers: SiO2/Si (100): 4" diameter, SiO2 thickness: 300 nm, doped	20	OLP 210232
115	Si wafer with both side 100 nm of LPCVD Si3N4 layer, Dia: 100 mm; Orientation (100);	20	OLP 210232
116	Sapphire substrates c-plane and R-plane: 2" diameter	20	OLP 210232
117	Illuminated Magnifier with optical high quality Lens	1	OLP 210232
118	Glass wares: Beakers, Petri dishes, glass slides etc.	10 pack of each	OLP 210232
119	Nitrile gloves: sizes: small, medium and large	10 packets of	OLP 210232
120	Silver conductive adhesive paste: 15 gm	2 Nos of 15 gm each	OLP 210232

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121	12 V 100 AH UPS battery	32	OLP 210232
122	Repair of vacuum pumps, heaters, etc	As Per Req	OLP 210232
123	Chemicals and crucibles for target fabrication	As Per Req	OLP 210232
124	Charges for chemicals and device fabrication on epitaxial graphene	As Per Req	OLP 210232
125	High purity Ar gas and Ar+H2 gas mixer	2	OLP 210232
126	High density graphite rods, tubes, foam, quartz tube	As Per Req	OLP 210232
127	PLD substrate heater	1	OLP 210232
128	Au, Ag and In for contact deposition	As Per Req	OLP 210232
129	PPMS Pucks	4	OLP 210232
130	Laserjet printer with Scanning option	1	OLP 210332
131	Computer UPS	1	OLP 210332
132	Annealing Furnace	1	OLP 210332
133	Turbo Molecular Pump	1	OLP 210332
134	Sputtering guns	2	OLP 210332
135	MFCs	2	OLP 210332
136	Gate valve	1	OLP 210332
137	Weighing Balance	1	OLP 210332
138	UPS for new desktop	1	OLP 210332
139	Transformer variac power Suply vacuum cleaner blower	8	OLP 210332
140	Solid State Laser	1	OLP 210332
141	micro-positioner probe	2	OLP 210332
142	Analog Console with Photodiode Sensor	1	OLP 210332
143	High Temperature Tubular Furnace	1	OLP 210332
144	UPS for double pan balance	1	OLP 210332
145	ozone generator with multipoint calibrator	1	OLP 210332
146	Ultrasonic bath	1	OLP 210332
147	PM sensor and electronics	As Per Req	OLP 210332
148	Ultrasonicator bath	1	OLP 210332
149	Refrigerator	1	OLP 210332
150	ozone analyser	1	OLP 210332
151	Oven	1	OLP 210332
152	800 vA UPS battery	4	OLP 210332
153	Sputtering targets	4	OLP 210332
154	Sensor Test Gases	0	OLP 210332
155	High purity metals for vacuum evaporation (Ni, Au, Cu, etc.)	0	OLP 210332
156	Sputter Source	1	OLP 210332
157	SS flexible and PU pipe and their end connectors	As Per Req	OLP 210332
158	Sputtering targets	5	OLP 210332
159	Diamond pencil cutter	2	OLP 210332
160	E-beam assembly repair	1	OLP 210332
161	Mini spectrometer system PC repair	1	OLP 210332
162	Rotary pump repair	1	OLP 210332
163	KF coupling and O'rings	10	OLP 210332
164	Moly/Tungsten boats	10	OLP 210332
165	Shadow Mask	4	OLP 210332

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166	Substrates (Alumina and Quartz)	20	OLP 210332
167	Target gases	5	OLP 210332
168	High purity materials	5	OLP 210332
169	Metallic Boats	20	OLP 210332
170	Vacuum Accessories	10	OLP 210332
171	Cable for Transformer and extension Board	10 meter	OLP 210332
172	Silicon heater PID controller Thermocouple	6	OLP 210332
173	Crucible, Probe holder, Stepper Motor belt, optical Filter, cable Plastic	16	OLP 210332
174	Repairing of scroll and Dry vacuum pump	2	OLP 210332
175	High purity helium gas cylinder	1	OLP 210332
176	Agilent GCs	2	OLP 210332
177	High purity gases like Nitrogen, Air, Hydrogen and Helium	As Per Req	OLP 210332
178	For GC ECD	As Per Req	OLP 210332
179	7 Ah, 12 volt battery	30	OLP 210332
180	Aluminum cylinder	15	OLP 210332
181	Repair with high pressure valve for High pressure filling/vacuum system	1	OLP 210332
182	HP colour laser Jet 5550dn	1	OLP 210332
183	HP laser jet p2015dn	1	OLP 210332
184	Prndrive 32GB	3	OLP 210332
185	12V,7Ah battery	12	OLP 210332
186	Beaker 100ML	5	OLP 210332
187	Beaker 200ML	5	OLP 210332
188	Beaker 500ML	5	OLP 210332
189	Beaker 1000ML	5	OLP 210332
190	Petri dish dia 5cm	20	OLP 210332
191	Petri dish dia 10cm	20	OLP 210332
192	glass condensor spiral 166mm	5	OLP 210332
193	Ethanol 500ml	5	OLP 210332
194	Methanol 500ml	5	OLP 210332
195	Acetone 500ml	5	OLP 210332
196	Propanol 500 ml	5	OLP 210332
197	Potassium monohydrogen K ₂ HPO ₄ 500g	2	OLP 210332
198	Potassium dihydrogen KH ₂ PO ₄ 500g	2	OLP 210332
199	Gloves packet	10 pkts	OLP 210332
200	Mask s	100	OLP 210332
201	Micropipette 1000 µL	10	OLP 210332
202	Micropipette 100 µL	10	OLP 210332
203	Micropipette 2 to 20 µL	10	OLP 210332
204	Micropipette 100 to 1000 µL	10	OLP 210332
205	Micro Tips 1ML	5000	OLP 210332
206	Micro Tips 100 µl	5000	OLP 210332
207	Micro Tips 10 µl	5000	OLP 210332
208	Culture tube	500	OLP 210332
209	volumetric Flask size 100ml	5	OLP 210332
210	volumetric Flask size 50ml	5	OLP 210332

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211	Measuring cylinder 100ml	5	OLP 210332
212	Measuring cylinder 50ml	5	OLP 210332
213	Pipette stand	2	OLP 210332
214	Spatulas steel 6 inch	10	OLP 210332
215	Forceps 105 mm straight tip	5	OLP 210332
216	Forceps 105 mm curved tip	5	OLP 210332
217	Scalpel handles 130mm	5	OLP 210332
218	Special Blade no 11	10	OLP 210332
219	Desiccators glass	5	OLP 210332
220	Desiccators PP & PC	5	OLP 210332
221	Tissue Roll 25mm	25	OLP 210332
222	Potassium Bromide KBr	250gram	OLP 210332
223	Potassium Ferrocyanide	500g	OLP 210332
224	Potassium Ferricyanide	500g	OLP 210332
225	Tris base	500g	OLP 210332
226	Acetonitrile 500ml	4	OLP 210332
227	Dialysis bag	10	OLP 210332
228	pH paper	5	OLP 210332
229	Centrifuge tube 2ml	2 pkt	OLP 210332
230	Centrifuge tube 20ml	2 pkt	OLP 210332
231	Vials 20ml	100	OLP 210332
232	Vials 10ml	100	OLP 210332
233	Arduino uno microprocessor	4	OLP 210332
234	Arduino Atmega 2560	2	OLP 210332
235	Motor Driver 4098	10	OLP 210332
236	Proximity sensor Inductive	5	OLP 210332
237	T0A0161 IC	10	OLP 210332
238	GT2 belt and pulley 2	2	OLP 210332
239	3 watt laser	2	OLP 210332
240	Robotic tool kit	1	OLP 210332
241	Tool Kit	1	OLP 210332
242	Bread board	5	OLP 210332
243	Soldering Iron	1	OLP 210332
244	Solder wire	1	OLP 210332
245	Stepper bipolar motor	5	OLP 210332
246	3D Printer nozzle 0.3mm	10	OLP 210332
247	3D Printer nozzle 0.7mm	10	OLP 210332
248	UV light lamp	2	OLP 210332
249	UV choke 12 w	2	OLP 210332
250	measuring driver	1	OLP 210332
251	PDMS 500g	1	OLP 210332
252	Chloroform 500ml	2	OLP 210332
253	SU 8 Photo resist 10ml	2	OLP 210332
254	Photo resist S1818	2	OLP 210332
255	syringe 100ml	10	OLP 210332

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256	Silicone tube 4mm dia	1	OLP 210332
257	Tetra hydropyran 100ml	2	OLP 210332
258	Platinum foil, thickness 0.025 mm	1.5G	OLP 210332
259	CHI chip electrode screen printing	2 pckt	OLP 210332
260	graphene paste	500g	OLP 210332
261	Silver paste	100g	OLP 210332
262	Ag/AgCl paste	100g	OLP 210332
263	graphite paste	500g	OLP 210332
264	AFM tapping mode tips	50 Nos.	OLP 210332
265	Repair of julabo water chiller	1	OLP 210332
266	repair of chiller with sputtering system	1	OLP 210332
267	repair of chiller with physical vapour deposition system	1	OLP 210332
268	repair of chimney	1	OLP 210332
269	graphene oxide	100g	OLP 210332
270	liquid crystal (4-Cyano-4'-pentylbiphenyl)	1g	OLP 210332
271	liquid crystal (E7)	1g	OLP 210332
272	1) Vials (clear)	1 case	OLP 210332
273	2) Vials (amber)	1 case	OLP 210332
274	3) Macro Snyder column	5	OLP 210332
275	4) Round Bottom Flask	20	OLP 210332
276	5) Reagent Bottles (Amber)	20	OLP 210332
277	1) GC Column- SMS	1	OLP 210332
278	2) Trap Filter for GC-MS	1	OLP 210332
279	1) Lint free tissue	20 pack	OLP 210332
280	2) Nitrogen Cylinder	4	OLP 210332
281	3) Tissue rolls	30	OLP 210332
282	4) Aluminium Foil	50	OLP 210332
283	5) Teflon tape	30	OLP 210332
284	8) Whatman QMA Filters 82.6 mm	1 Packet	OLP 210332
285	9) Whatman QMA Filters 8x10"	1 packets	OLP 210332
286	1) Respirable Dust Sampler Ecotech AAS 217NL	1	OLP 210332
287	UPS Batteries	20	OLP 210332
288	3KW Microwave Power supply	1	OLP 210432
289	UPS Batteries for the power support to Glove box (UPS with thirty nos. of batteries)	1	OLP 210432
290	Quartz crystal thickness monitor with controller :- Standard thickness monitor with controller and monitor for existing thermal coating unit capable of monitoring the metal layer thickness (Ag/Al/Ti etc.)	As Per Req	OLP 210432
291	Rotary pump:- pumping speed :- ~ 10 m3 /hr; Ultimate pressure: < 0.005 mbar	1	OLP 210432
292	Temperature and humidity sensors (With +/-2oC and +/-2%RH accuracy)	2	OLP 210432
293	LCR Meter	1	OLP 210432
294	Ultra Sonicator	1	OLP 210432
295	SLS Printer and Accessories	0	OLP 210432
296	Four Probe System for Conductivity measurements	1	OLP 210432
297	Crimping machine	1	OLP 210432

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298	Disc cutter	1	OLP 210432
299	Syringe pump	2	OLP 210432
300	High temperature furnace (1800C)	0	OLP 210432
301	Glass Petridish (6", 4")	(5+20)	OLP 210432
302	Vials (4 ml, 2 ml), pippette tips, hand gloves, plastic bottles	3 packs	OLP 210432
303	PEDOT:PSS, PbI ₂ , PbCl ₂ , MABr, Ag metal, Al metal, Spiro-MeOTAD, DMSO, ITO she	As Per Req	OLP 210432
304	Probe sonicator repair	2nos	OLP 210432
305	Nitrogen gas	5 Cylinder	OLP 210432
306	Argon gas	5 Cylinder	OLP 210432
307	Oxygen gas	5 Cylinder	OLP 210432
308	chemicals, organic chemicals, thiophene, catalysts etc	As Per Req	OLP 210432
309	spin coaters, thermal evaporators, vacuum pumps	As Per Req	OLP 210432
310	UPS 5 KV	As Per Req	OLP 210432
311	for UPS	As Per Req	OLP 210432
312	ITO, FTO, PET	As Per Req	OLP 210432
313	Solvents, general inorganic chemicals	As Per Req	OLP 210432
314	ITO, FTO, PET	As Per Req	OLP 210432
315	Repair of source meter 2400	1	OLP 210432
316	Millipore DI Water plant spare parts: Elix/OSM DC Pump W/Support (ZF3000000)	1	OLP 210432
317	Lab thermometers	6	OLP 210432
318	W-filaments	10	OLP 210432
319	Mo-boats	10	OLP 210432
320	N2 gas bank filling (12 cylinders bank)/ N2 gases	1 bank/ 12 cyl	OLP 210432
321	AMC of DI water plant	2 sets	OLP 210432
322	N2 and Ar gas	5	OLP 210432
323	fabrication of 6"adapter (KF to ISO), 1"adapter (KF to ISO) electrical panel	1 each	OLP 210432
324	Pt-Rd thermocouple	1	OLP 210432
325	repair of chiller	1	OLP 210432
326	repair of UPS	1	OLP 210432
327	for high purity gas	2	OLP 210432
328	Fabrication of Mask	2	OLP 210432
329	5KVA Batteries 90Ah	16	OLP 210432
330	optical items: lense, mirrors, single crystal wafers	multiple items	OLP 210432
331	post, post holders, varous mounts	multiple items	OLP 210432
332	PolyTPD(Chemical)	1gm	OLP 210432
333	Rotary Pump Repair	2	OLP 210432
334	High purity gases for BET System (He & N2)	2 cylinder	OLP 210432
335	Repairing of balance	1	OLP 210432
336	Quartz Tube (Inner Diam. 61mm) (Outer diam. 65mm)(length 1200mm)	9 tubes	OLP 210432
337	Tellurium Oxide	50g	OLP 210432
338	Repairing of Chiller	1	OLP 210432
339	SPS Vacuum pump overhaul kit -D650 K	1	OLP 210432

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340	Double Side Carbon Tape	2	OLP 210432
341	Cutting/Machining of SPS grade Graphite die	2	OLP 210432
342	Seebeck Instrument (ULVAC-ZEM3)	1	OLP 210432
343	Abrasive Cutting Machine	1	OLP 210432
344	Hall Measurent Unit	1	OLP 210432
345	DSC	1	OLP 210432
346	Repairing of Chiller attached with Seebeck, DSC and Hall Measurement System	3	OLP 210432
347	Methane Gas	1	OLP 210432
348	Acetylene Gas	2	OLP 210432
349	High Purity Argon Gas	1	OLP 210432
350	Miscelenious items for fabrication of yarn making set up	As Per Req	OLP 210432
351	flurination chember/flengae	As Per Req	OLP 210432
352	silicon substrate	As Per Req	OLP 210432
353	Quartz plate	As Per Req	OLP 210432
354	Quartz tube 1 inch	As Per Req	OLP 210432
355	Consumables for 3D Printer	1	OLP 210432
356	Alumina tube	1	OLP 210432
357	ZrS2(Chemical)	1gm	OLP 210432
358	Graphite rings	10	OLP 210432
359	Melt pump heater	4	OLP 210432
360	Repairing of furnace	3	OLP 210432
361	Repairing of softening point apparatus	1	OLP 210432
362	Repairing of furnace	2	OLP 210432
363	AMC for TGADSC1 and DSC 1	2	OLP 210432
364	Nitrogen Gas	50	OLP 210432
365	Argon Gas	50	OLP 210432
366	Zero AIR	10	OLP 210432
367	Oxigen gas	10	OLP 210432
368	Helium	4	OLP 210432
369	Silicon Carbide Heating Rods	As Per Req	OLP 210432
370	Gas fitting item	As Per Req	OLP 210432
371	Silver paste	20g	OLP 210432
372	Modification of CNT sheet harvest box		OLP 210432
373	o ring	20	OLP 210432
374	Magnetic beads	As Per Req	OLP 210432
375	Teflon tape	20 box	OLP 210432
376	For Testing of Samples	As Per Req	OLP 210432
377	AHU-1,2,3,4,5 With 15 Nos. Condensing Units-11T each, Humidifiers, De-Humidifiers-05 Nos.	As Mentioned	OLP 210432
378	Water Tap SS	05 Nos.	OLP 210432
379	V- Belt B-33-05 Nos, B-48-05 Nos., A-30-05Nos.	05 Nos each	OLP 210432
380	High performance (Temperature) Bearing Grease Castrol Tribol GR100-2 PD 400 Gram Tube	05 Nos.	OLP 210432
381	Oxygen Anyslizer Sensor	01 Nos	OLP 210432

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NPL Non-Project Procurement List 2022-23 as on 6th July 2022

382	Surf	20 Kg	OLP 210432
383	MCB 32Amp, 63Amp	05 Nos.	OLP 210432
384	Pad Lock	05 Nos.	OLP 210432
385	Door Lock	05 Nos.	OLP 210432
386	Phase Sequence Relay S1 VMR7 (Minilec)	02 Nos.	OLP 210432
387	Sony LED TV, Model No. KDL-42W700B, Sr. No. 3280184 Video Not Display	01 No.	OLP 210432
388	ACRT Controller with Crystal Growth setup	1	OLP 210532
389	Constant Temperatre Bath(RT to 90 degree C)	1	OLP 210532
390	Weighing Balance	1	OLP 210532
391	UPS for PC	1	OLP 210532
392	Laboratory Shakers and Mixers	1	OLP 210532
393	Stainless Steel tweezer/ Magnetic stirrer	1	OLP 210532
394	XYZ stage micrometer controller	2	OLP 210532
395	Vacuum cabinet	1	OLP 210532
396	Cupellation furnace	1	OLP 210532
397	Rolling Machine	1	OLP 210532
398	melting and annealing furnace	1	OLP 210532
399	Hot pate and water bath	1	OLP 210532
400	Fume scrubbing system	1	OLP 210532
401	Thickness monister system	1	OLP 210532
402	Air compressor	1	OLP 210532
403	Constant Temp Bath with seed rotation facility, ACRT CONTROLLER with accessories, Water bath with shaker temperature controller, Pelletiser with die sets, Sonicator, Wafer Cutting machine, Polishing machine, Centrifuge etc (One each number)	1 each	OLP 210532
404	low temperature controller	1	OLP 210532
405	Dehumidifier	1	OLP 210532
406	Hotplate	1	OLP 210532
407	Mass Flow controller	1	OLP 210532
408	Vacuum Gauge	2	OLP 210532
409	Rotary Pump	1	OLP 210532
410	AMC for XRF spetrometer	1	OLP 210532
411	AMC for SEM (EVO MA 10)	1	OLP 210532
412	Chemical earthing	1	OLP 210532
413	Bracket and chain (for gas Cylinders)	As Per Req	OLP 210532
414	Chemicals	20	OLP 210532
415	Centrifuge, Hydraulic Press 10 Tonne	2	OLP 210532
416	Sputtering targets	As Per Req	OLP 210532
417	Substrates	As Per Req	OLP 210532
418	Chemicals	As Per Req	OLP 210532
419	Mortar pestle	2	OLP 210532
420	Diamond Glass cutter	2	OLP 210532
421	Glass slide	2 slide	OLP 210532
422	Copper tape	1	OLP 210532
423	Teflon tweezer	3	OLP 210532
424	Tem grid	10 pack	OLP 210532

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NPL Non-Project Procurement List 2022-23 as on 6th July 2022

425	Desiccator (large)	4	OLP 210532
426	Desiccator (small)	5	OLP 210532
427	Quartz tube	10	OLP 210532
428	HPLC, EPR, MXRD, Magneto Rheometer. Particle size analyzer	5	OLP 210532
429	Experiments	As Per Req	OLP 210532
430	SIMS accessories	As Per Req	OLP 210532
431	Chemicals	As Per Req	OLP 210532
432	Beakers: 100 ml, 50 ml, 25 ml-05Nos each; Petri discs: 2", 3", 5",-10 Nos, Pipette: 50 ml, 100 ml;-02 Nos Sample bottles: 25 ml, 50 ml; -10- Nos. Glass Rods: 10" length; 3 mm dia.- 05 Nos.	As Mentioned	OLP 210532
433	Auric acid, AgNO ₃ , Graphite flakes	100/250/ 500 g each	OLP 210532
434	TEM grids, Centrifuge tubes 0.2 micro litre/0.5 ml/1.5 ml; isopropanol/ ethanol/ acetone/ carbon tetrachloride etc.	25 Nos. ; 50 nos. each; 500 ml each	OLP 210532
435	HP Laserjet printer cartridge	2 Nos.	OLP 210532
436	Sio ₂ wafer	1 pack	OLP 210532
437	n-Si wafer	5	OLP 210532
438	Tem grids adhesive	2	OLP 210532
439	Comsumables	As Per Req	OLP 210532
440	Graphite crucible	As Per Req	OLP 210532
441	water chiller, Compressor, UPS, furnace, heating bath etc.	As Per Req	OLP 210532
442	Burette, pipette, Std flask, Pycnometer,round bottom flask,Condensor, Filter paper, Distillation unit, Beakers, Filtration unit, G3/G4 crucible, glass wool, glass columns, Plasticwares,Kanthal wire,syringe filters,sieves,Platic boxes of different sizes,self sealing polybags etc.	As Per Req	OLP 210532
443	Chemicals like trans stilbene, alumina powder, Tin selenide, Bismuth Telluride, silicon oil, conducting silver paste, standards, isotopic standards, nanoparticles, reagents, chemicals, etc.	As Per Req	OLP 210532
444	AMC of ICP-OES, IC	As Per Req	OLP 210532
445	Oxygen, Nitrogen, Argon gas etc	As Per Req	OLP 210532
446	BOOSTER PUMP VARIABLE DRIVE (2 nos), MQ INT RESISTIVITY CELL POLISHER 3 PORTS,MAINTENANCE KIT Millipore Water purification system, Electrodes for electrochemical cell, columns for IC, etc.	As Per Req	OLP 210532
447	For AAS,Microwave Digestor, Fume hood, sub boil system, pumps, hot plate, computers, etc	As Per Req	OLP 210532
448	Wire,MCB,Switches etc	As Per Req	OLP 210532
449	Chemicals	As Per Req	OLP 210532
450	High Purity chemicals	As Per Req	OLP 210532
451	Box Furnace	1	OLP 210532
452	High purity gasses (N ₂ , O ₂ , Ar, He, AR/H etc	As Per Req	OLP 210532

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NPL Non-Project Procurement List 2022-23 as on 6th July 2022

453	Al2O3, Si/SiO2,STO,LAO substrates, c- cut alumina, Silicon substrate, Quartz substrate Quartz tube, Cutters for substrate, Carbon tape, Cover slip, Sample boxes, Lint free tissues, Nitrile gloves, Ceramic pointed twizzer, Metallic pointed twizzer ,IPA, Green tags, 5ml vials, 15ml vials, Cabels Manganese metal pieces, Antimony metal , Sputtering targets,Spieces, Boron,Carbon, Cobalt, Chromium, Butter paper, Filter paper, Transparent sheet, Bismuth powder, Antimony powder, Tellurite powder, Iron powder, Nickel powder, Cobalt powder, Manganese powder, Chromium powder, AFM tips, Photo resist/developer,Shadow mask,TEM grid,CD(RW),WiFi Router, 8 port ethernet device,BNC connector both male &Female,Soldering gun and wire([Bakon BK90] 90W, soldering station,Fluke 15B Multimeter,, Indium metal (100g),External CD/DVD/RW drive, ,Extension switch box, Centifuge tubes 50ml, UV white sealant paste , Hydrothermal autoclave(500ml and 200ml), triax cable/connector, High temperature hydrothermal shell, Double sided tape, High temperature gluing cement, sample holder,PPMS sample holder pucks, graphitr bar, polished graphite crucible, Pt Crucible, cables and connectors related to instruments, standard weight box, label printing roll, arc melting quartz pieces, Many fold assessories, graphite crucible, tantulum tube to crucuibl, , Shades and angle for battery , Lamp, magnifying glass with light, Micro soldering station, Silver paste, Gold and Pt wire, etc..	As Per Req	OLP 210532
454	Repair of instruments, computer, printer and heneral purpose lab equipment	As Per Req	OLP 210532
455	Handheld Digital Multimeter	1	OLP 210632
456	1 KVA UPS	1	OLP 210632
457	Precision thermo-hygro meter	1	OLP 210632
458	laser power sensors	1	OLP 210632
459	Digital Oscilloscope	1	OLP 210632
460	Layer 3 Switch	1	OLP 210632
461	LAN Switch	1	OLP 210632
462	Precision thermo-hygro meter	1	OLP 210632
463	ECDL enclosure for temperature and cavity & associated structures	1	OLP 210632
464	ptp switch	1	OLP 210632
465	Soldering station	1	OLP 210632
466	LC adapters, 100A cable with connectors	2 each	OLP 210632
467	Clamp meter	1.00	OLP 210632
468	TVCs	2.00	OLP 210632
469	Power supply for sputtering machine stage heater	1.00	OLP 210632
470	Pyrometer	2.00	OLP 210632
471	multimeter	1.00	OLP 210632
472	5 KVA Three Phase UPS with Batteries	1	OLP 210632
473	Fume Hood	1	OLP 210632

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NPL Non-Project Procurement List 2022-23 as on 6th July 2022

474	Tempreture & Humity Meter	3	OLP 210632
475	Gaussmeter	1	OLP 210632
476	Permanent Magnets of different values between 0.01-1.0T	6	OLP 210632
477	Search Coil-Transverse & Axial	2	OLP 210632
478	Fluxmeter Calibrator (Volt-Sec Generator)	1	OLP 210632
479	EMF Tester	1	OLP 210632
480	Low Frequency E-Field Probe	1	OLP 210632
481	Battery Charger	2	OLP 210632
482	AMC of Rooftop IST Display	1	OLP 210632
483	CAMC of 3 Kva online UPS	0	OLP 210632
484	Components and connectors	As Per Req	OLP 210632
485	Printing of designed PCBs	As Per Req	OLP 210632
486	Ics, interface module, cards, batteries etc.	As Per Req	OLP 210632
487	Electronics components, PCB, Drivers etc.	40	OLP 210632
488	Optics, optoelectronics and optomechanical components	40	OLP 210632
489	repair of pump, printer, comp, etc	4	OLP 210632
490	shield for RF	1	OLP 210632
491	Old PC repair	1	OLP 210632
492	Repairs of office printer	2	OLP 210632
493	LNA and low loss Antenna Cable	1	OLP 210632
494	Network Management Software for NTP dissemination configuration and automation	1	OLP 210632
495	AMC of NTP servers for Time Dissemination	20 Units	OLP 210632
496	Optical Isolator	1	OLP 210632
497	Piezo-electric transducer	2	OLP 210632
498	Optical fibers	5	OLP 210632
499	Peltier thermoelectric element	2	OLP 210632
500	Temperature sensor	10	OLP 210632
501	Resistors, capacitors, led, jumper wires, bread board, Oscillators, Max232 IC etc.	1	OLP 210632
502	Repair of HP laser jet P1108, and samsung express M2876ND	1	OLP 210632
503	GNSS splitter 1 to 4 port	1	OLP 210632
504	SMA connector	50	OLP 210632
505	BNC male to SMA female Adaptor	50	OLP 210632
506	SMA male to SMA male Adaptor	20	OLP 210632
507	Battery	12	OLP 210632
508	APC UPS Battery	2	OLP 210632
509	Job work/Instrument Rack	1	OLP 210632
510	Receiver Module	5	OLP 210632
511	USB to Serial Cable	10	OLP 210632
512	Heat shrink tube Kit	3	OLP 210632
513	Cable ties(140mm)	5	OLP 210632
514	Cable ties(200mm)	2	OLP 210632
515	Cable ties(300mm)	2	OLP 210632
516	UPS Repair	2	OLP 210632
517	Temperature and RH Sensors wirh Accessories	3	OLP 210632

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NPL Non-Project Procurement List 2022-23 as on 6th July 2022

518	Tools Kit	1	OLP 210632
519	Isopropyl Alcohol	1(1/2 to 1litre)	OLP 210632
520	Repair and Calibration of signal generator SMR 27 (10MHz to 27 GHz)	0	OLP 210632
521	N type to N type connectors with 1 meter cable alongwith required adapters	0	OLP 210632
522	Desktop Computer UPS	1	OLP 210632
523	Emergency light	2	OLP 210632
524	ferrite cores, gold pins	10each	OLP 210632
525	UPS Batteries	32	OLP 210632
526	AC Plant 37B	1	OLP 210632
527	sample holder and probe	1 each	OLP 210632
528	signal generator repair (2.5 Lacs)	1	OLP 210632
529	Adapters	As per Req	OLP 210632
530	Helium Gas 3N pure	2	OLP 210632
531	shadow masks	5	OLP 210632
532	Tem grid	As per Req	OLP 210632
533	Sticky mats	10pkts	OLP 210632
534	Sputtering target Bi	1	OLP 210632
535	Plastic High Vacuum Tubes 8mm, 6mm diameter	10pkt each	OLP 210632
536	PC repair and upgrade	1	OLP 210632
537	Pump repair	1	OLP 210632
538	Laser pointer	2	OLP 210632
539	silicon nitride wafers	25	OLP 210632
540	Halogen lamp/filament	2	OLP 210632
541	Calibration of existing Ring core samples /Procurement of new Ring core samples from PTB	2	OLP 210632
542	Sensor modules, microcontrollers, electronic components, servo motors, OLED etc.	10	OLP 210632
543	Li polymer batteries	10	OLP 210632
544	BND Chemicals	15	OLP 210632
545	Cables and connector	5	OLP 210632
546	Sample Holders and sample rod for Existing VSM	19	OLP 210632
547	Servicing & overhauling of Rotary pump	1	OLP 210632
548	Lexmark Cx421adn color printer compatible cartridge (78C10K0-Black, 78C10C0-Cyan, 78C10Y0-Yellow, 78C10M0-Magenta)	1 set	OLP 210632
549	Different metal Electrodes-Strips/Rod (Al, Cu, Zn, Pb, Brass, Mn etc).	10	OLP 210632
550	Wave guide Cal-Kit	1	OLP 210632
551	Clamp type table vice	3	OLP 210632
552	Iron File set	2	OLP 210632
553	Soldering Iron Bit	1 set	OLP 210632
554	PCTFE ROD / KEL F	5	OLP 210632
555	Helium gas 5N grade	1892m3	OLP 210832

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NPL Non-Project Procurement List 2022-23 as on 6th July 2022

556	Spare part for Liquid Nitrogen Plant (XV1)-02 Nos., Ring (42397300) -04 Nos. Oil Scraper Ring -03 Nos. O-ring (48698700) -04 Nos.	Jocomotive valve Jocomotive valve (XV2) -01 No.	As Mentioned	OLP 210832
557	Hydrostatic testing of cylinder cleaning of cylinder marking on cylinder heating of cylinders painting of cylinders conditioning of cylinder with Helium gas	Internal and external	96 Cylinders	OLP 210832
558	AMC for LN2 plant		one	OLP 210832
559	spares part for air compressor of LN2 plant 04 Nos. Oil Filter Element 6.1985.1- 02 Nos. Air filter cartridge 6.3540.0-03 Nos. Oil Separator Cartridge 6.2011.1 - 01 Nos. Minimum pressure checkvalve cpl. 201238E0 -01 No. Maintenance kit – MPCV 400992.1 01 No. Repair kit Min. Press check - 02 Nos	Filter mat - cooling air -	As Mentioned	OLP 210832
560	spare part for helium leak detector INTERNAL FILTER, -02 Nos. TIP PROBE FILTER, -10 Nos. BATTERY FOR PHD-02 Nos.	(kit of Five) SPARE	As Mentioned	OLP 210832
561	spare part for recovery helium compressor-Suction Valve -01 No. Pressure Valve-01 No. Filter cartridge-02 Nos.		As Mentioned	OLP 210832
562	SS Tee 1/2 Inch Ferrule tubefitting SS Connector 1/2 Inch MNPT to 1/2 Inch Ferrule		10 Nos. Each	OLP 210832
563	Metalized tubing 10mm Metalized tubing 6mm		75 mtr Each	OLP 210832
564	AC axial fan		2Nos	OLP 210832
565	chain pulley 2 ton		1	OLP 210832
566	DI/mineral water for chiller		2500ltrs	OLP 210832
567	Markin cloth		100mtrs	OLP 210832
568	Tissue roll		50Nos	OLP 210832
569	hot air blower/gun		1	OLP 210832
570	Servicing & repairing water chiller unit of helium plant		01 unit	OLP 210832
571	Spare parts for water chiller unit Dryer - 02 Nos. R410A refrigerant gas -47 Kg compressor oil - 05 Liter		As Mentioned	OLP 210832
572	Inspection & calibration charges for Pyrolizer & MCD of liquid helium plant without spare part cost		01 unit	OLP 210832
573	AMC of High Pressure Liquid Chromatography		1	OLP 210432
574	AMC of FE-SEM		1	OLP 210432

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575	Mass Flow controller	2	OLP 210332
576	High Purity Metals	As Per Req	OLP 210332
577	Target Gases	4 Cyliner	OLP 210332
578	Power supply for Temperature Controller of Nano MOKE	1	OLP 210532
579	Repair of 10 KVA UPS	1	OLP 210532
580	Repair of 20 KVA UPS of MXRD	1	OLP 210532
581	Replacement of power supply and grease for MXRD	1	OLP 210532
582	Gases and Regulators (Normal and High Purity)	4	OLP 210532
583	Repair of 40 KVA UPS of EPR Instrument	1	OLP 210532
584	Sample Hoder Assembly stand for FMR (40 GHz)	1	OLP 210532
585	Repair of Furnace	2	OLP 210532
586	Replacing of Heating Elements of High Temp Furnace	1	OLP 210532
587	Repair of UPS	1	OLP 210432
588	Repair of Refrigerated centrifuge	1	OLP 210432
589	tannic acid (500 g)	1	OLP 210432
590	3,4-Ethylene dioxythiophene (EDOT)	10g	OLP 210432
591	40 wt% Pt/C (Platinum on graphitized carbon)	2g	OLP 210432
592	Graphite rod :3 mm Diameter length 100 mm	1 unit	OLP 210432
593	Ni-Foam Roll;(1 mm*20cm*30cm) Thickness pore size -0.25 mm(Global Nanotech)	2 unit	OLP 210432
594	Tin (IV) Chloride	500g	OLP 210432
595	Pyrrole	100ml	OLP 210432
596	p-Phenylenediamine	100g	OLP 210432
597	Manganese (II)acetate	25g	OLP 210432
598	Chloroacetic acid	25g	OLP 210432
599	Sulfur, reagent grade	500g	OLP 210432
600	Dibutyl phthalate	500ml	OLP 210432
601	Diethylene glycol	1L	OLP 210432
602	Thiophene	100g	OLP 210432
603	1-Pyrene carboxaldehyde	10g	OLP 210432
604	Nafion 20wt%resin solution	25ml	OLP 210432
605	Nafion 5wt%	100ml	OLP 210432
606	Silver conductive paste	25g	OLP 210432
607	Ruthenium (IV) Oxide	5g	OLP 210432
608	Glassy carbon voltammetry electrode	1	OLP 210432
609	Bis(acetylacetonato)dioxomolybdenum(VI)	50g	OLP 210432
610	Thioacetamide	100g	OLP 210432
611	Sodium borohydride	100g	OLP 210432
612	p-amino benzonitrile	50g	OLP 210432
613	Trifluoro methane sulfonic	25g	OLP 210432
614	p-hydroxybenzaldehyde	250g	OLP 210432
615	1,2-dihydroxybenzene	100g	OLP 210432
616	Dimethoxy sulfoxide	100mL	OLP 210432
617	2,4-dimethoxybenzene-1,4-icarboxaldehyde	2g	OLP 210432
618	Dimethylacetamide	500mL	OLP 210432
619	o-dichlorobenzene	1L	OLP 210432

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