

NPL Non-Project Procurement List 2021-22 as on 10th Nov 2021

S.No.	Instrument Name	Amount	Quantity	Project No.
1	Standard weights (1 mg to 5 kg), E1 class,	5	1	OLP 210132
2	Fume Hood	1	1.5	OLP 210132
3	Exhaust System	1.5	1	OLP 210132
4	Check master	4.5	1	OLP 210132
5	UMM Line scale calibration facility workstation	0.8	1	OLP 210132
6	All in one printer	0.2	1	OLP 210132
7	Electronic probes	1.2	2	OLP 210132
8	Muffle Furnace	1.5	1	OLP 210132
9	Spin Coating Unit (10 to 10,000 RPM, Programmeable)	2.3	1	OLP 210132
10	UPS for Computer	0.06	1	OLP 210132
11	Laser Printer-black and white	0.21	1	OLP 210132
12	Optical Microscope	2.5	1	OLP 210132
13	Ultrasonic Transducer/Discs	0.2	1	OLP 210132
14	Digital Oscilloscope	0.7	1	OLP 210132
15	Ultrasonic Probes	0.9	1	OLP 210132
16	Digital Multimeter	0.1	1	OLP 210132
17	Pressure Regulators	0.25	1	OLP 210132
18	Temp. & Humidity Indicator (high precision)	0.9	1	OLP 210132
19	DC Power supply	0.15	1	OLP 210132
20	Repair of Norsonic Sound Level Meter, Nor 118	2.5	1	OLP 210132
21	Replacement of Power switch panel of B&K 2250 Sound Level	0.8	1	OLP 210132
22	Sound Level Meter	4	1	OLP 210132
23	Quarter inch Microphones (Two Nos) and accessories for sound impedance tube	1.7	2	OLP 210132
24	Submersible Pumps	6.5	1	OLP 210132
25	Multifunction Printer (with copy, print and scan feature)	0.21	1 No.	OLP 210132
26	Excess Payment allocated to a file of DMP 41 Indicator for the indent of year 2020-2021	9	As Per Req.	OLP 210132
27	Printer Cartridge (HOD)	0.2	3	OLP 210132
28	Xerox Cartridge (HOD)	0.3	2	OLP 210132
29	Transportation of artefacts (micropipettes) to next participants under APMP.M.FF-K4.2.2021 intercomparison	0.4	5	OLP 210132
30	Visionpak software upgrade	1.5	1	OLP 210132
31	Isopropyl alcohol, Petroleum jelly, Grease, muslin cloth, WD 40 etc.	0.06	Variable	OLP 210132
32	Lab slippers	0.06	15 Pair	OLP 210132
33	UPS battery	0.08	4	OLP 210132
34	Pen drives	0.1	9	OLP 210132
35	SSD external hard disk	0.07	1	OLP 210132
36	MS windows 10 professional licence	0.15	1	OLP 210132
37	Printer cartridge	0.07	2	OLP 210132
38	Printer cartridge	0.05	2	OLP 210132
39	Printer cartridge	0.06	2	OLP 210132
40	Anitivirus	0.1	7 user	OLP 210132

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41	Consumable items for Guarded Hot Plate Thermal Conductivity apparatus	2	1	OLP 210132
42	Consumables for Humidity Sensor development - (Al2O3 Substrates, ITO-Coated substrates, Polyimide Substrates, Polyethylene Terephthalate substrates)	0.75	1	OLP 210132
43	USB to 8-pin mini-DIN-232 Serial to USB Converter Cable (2 Nos), 8-Pin Mini-DIN Double Ended Cable male to male (4 Nos), 8-Pin Mini-DIN connector (6 Nos), connectors and pipes	0.45	1	OLP 210132
44	USB DAQ for MFC Control	0.5	1	OLP 210132
45	Chemicals (Palladium Powder, Graphene Oxide, reduced graphene oxide, Choline Chloride, Urea, Ethylene Glycol)	0.9	1	OLP 210132
46	Multipin vacuum feedthrough connectors	0.25	2	OLP 210132
47	Power supply for heater	0.25	1	OLP 210132
48	AMC of a Multi View 2000 SPM System	3.5	1	OLP 210132
49	Microcontroller card of a pulse laser System	1.25	As Per Req.	OLP 210132
50	Installation of Gonio-photometer and related Optical Components	2.41	As Per Req.	OLP 210132
51	SMF Battery (12V, 42 AH) for a 5 kVA UPS- 15 Nos.	0.55	15	OLP 210132
52	Repair of a 3 kVA UPS	0.12	1	OLP 210132
53	Repair of a 5 kVA UPS	0.16	1	OLP 210132
54	Repairing of Keithley make DMMs- 2 Nos.	0.71	2	OLP 210132
55	Tool kit	0.18	3	OLP 210132
56	Lamp	0.08	12	OLP 210132
57	Cartridge refills	0.04	15	OLP 210132
58	AMC for Primary Hydraulic Standards	0.85	1	OLP 210132
59	Sebacate oil	0.25	5 L	OLP 210132
60	Harwood Belt for Hanger Assembly (O-ring)	0.3	5	OLP 210132
61	White cloth Dhoti	0.05	100	OLP 210132
62	Lab Sleeper	0.05	10	OLP 210132
63	Shoe cover for automatic dispenser	0.01	200	OLP 210132
64	Extension boards	0.03	5	OLP 210132
65	Belt for Dead weight Tester	0.02	5	OLP 210132
66	DHI Complete set of O-rings	0.1 5	1	OLP 210132
67	HP Printer Cartridge 818L Black	0.05	3	OLP 210132
68	Brother toner cartridge	0.08	2	OLP 210132
69	Index files	0.03	25	OLP 210132
70	O-ring for CVV	0.05	50	OLP 210132
71	Electronic Components: Capacitor, resistance, Wi-Fi module, ICs, RS 232 to USB Cable, Microcontroller, single core wires, PCBs, Sensors, Soldering wires, ADC etc.	0.2	As Per Req.	OLP 210132
72	Pressure fittings (gland nuts, ferrule, connectors etc.) & tubing	0.05	As Per Req.	OLP 210132
73	Ball Valve DN150 & DN200 size (electro-pneumatic type), Butterfly Valve DN200 size (Electro-pneumatic type)	2	01 no. each	OLP 210132
74	Pipes, Flanges, Gaskets, Grinder Cutter Wheel, Reducers, Zorrik, Grease, Nipples (Consumables)	0.25	As Per Req.	OLP 210132
75	AMC for Raman spectrometer and attached laser	1.65	1	OLP 210132
76	HP Laser MFP 136nw cartridge	0.3	2	OLP 210132

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77	Repair of servo motor/drive for Kibble Balance set up	0.8	1	OLP 210132
78	AC Low Current Source (upto 50A- fine control) with necessary protection and accessories	2	1	OLP 210232
79	100 kV Automatic BDV Oil Tester	3	1	OLP 210232
80	Digitally temperature controlled Hot Air Oven	0.25	1	OLP 210232
81	Zero crossing half wave rectifier for DC immunity test	3	1	OLP 210232
82	Single Phase Energy Meter Tamper Conditions Simulator	4.5	As per Req.	OLP 210232
83	Three Phase Energy Meter Tamper Conditions Simulator	4.5	As per Req.	OLP 210232
84	Vacuum Pump	4.5	1	OLP 210232
85	Repair and re-installation of Dilution Refrigerator	35	1	OLP 210232
86	Calibration of Current Comparator from PTB, Germany	6	1	OLP 210232
87	Precision components (good stability, low temperature coefficient capacitors, resistors of various values and voltage ratings), BNC to LEMO cable, connectors (BNC, LEMO,etc.) and adapters (LEMO to BNC) . etc.	2.5	As per Req.	OLP 210232
88	Earthing copper strip, copper braided rope, BNC to BNC cable, BNC to Banana cable, BNC to crocodile cable, and miscellaneous electronic connectors (Banana plug, lugs, crocodile clip, etc.)	0.25	As per Req.	OLP 210232
89	Range selection low impedance Switch for standard voltage transformer SVT480/120-2 of Precession Power Calibration System PPCS.	2.8	1	OLP 210232
90	AC/DC Electromagnets & Permanent magnet	1.8	As per Req.	OLP 210232
91	35kV Spark Test jig	0.2	1	OLP 210232
92	Jammer	0.2	1	OLP 210232
93	GPIO-USB- adaptor card for automation	1	1	OLP 210232
94	Gas	2.5	As per Req.	OLP 210232
95	Data loggers with enclosures and data access through PC	2	1	OLP 210332
96	Ozone generator	3.0	1	OLP 210332
97	PH and TDS meter	1.0	1	OLP 210332
98	capillary viscosity meter	0.2	1	OLP 210332
99	thermohygrometer	1	2	OLP 210332
100	Tungsten Halogen Lamp assembly (parts for UV Visible Spectrometer Perkin Elmer Lambda 950)	0.11	1	OLP 210332
101	ELP UV Lamp Complete (parts for UV Visible Spectrometer Perkin Elmer Lambda 950)	0.69	1	OLP 210332
102	UHV Vacuum Gauge	2	1	OLP 210332
103	DC Power Supply	0.5	1	OLP 210332
104	Calibration of sensors	2	1	OLP 210332
105	Upgradation of the Digisonde system	14	1	OLP 210332
106	Repair of Dehumidifier	0.5	1	OLP 210332
107	Laser flash lamp and deionization cartridge	1.10	1	OLP 210332
108	42 AH, 12V batteries for UPS	1.00	15	OLP 210332
109	LED light 6"X6" square with LED driver	0.10	6	OLP 210332
110	Heating mantle (6 Places)	0.35	6	OLP 210332
111	Acetone AR (4 x 2.5 L), Dichloromethane (2x 2.5 L)	0.7	4+2	OLP 210332
112	Vials & cap kit (2 ml* 2 cases)	0.7	(2 ml* 2 cases)	OLP 210332

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113	Vial caps (9mm dia) 10 packets	0.25	(9mm dia) 10 packets	OLP 210332
114	Helium gases (High Purity)	0.22	1	OLP 210332
115	AMC of IRMS	4.5	1	OLP 210332
116	Particle nutralizer strips	2.50	1	OLP 210332
117	Filter nutralizer repair	1.00	1	OLP 210332
118	Pump repair	0.50	1	OLP 210332
119	Seamless Aluminium cylinder	1.50	1	OLP 210332
120	Repair of CRDS Oxygen Analyzer	1.00	1	OLP 210332
121	High Purity Gases (He, Ar, N2, Air, H2 etc)	1.00	As per Req.	OLP 210332
122	88 A for HP Laserjet Printer	0.1	4	OLP 210332
123	12A for HP Laserjet Printer	0.1	3	OLP 210332
124	45A for HP Laserjet Printer	0.3	3	OLP 210332
125	UPS SMF Batteries 12V-65AH	1.7	30	OLP 210332
126	UPS service	0.2	1	OLP 210332
127	Pharmacy Refregirator(4°C) Repair	0.2	1	OLP 210332
128	Refregirator Repair	0.25	2	OLP 210332
129	Repair of deep freezer	0.25	1	OLP 210332
130	CVD assembly repair	0.1	1	OLP 210332
131	Fume hood Repair	0.25	1	OLP 210332
132	10 lead ECG Cables set with banana/crocodile connectors	0.1	1	OLP 210332
133	pH probes(electrodes), conductivity probes (electrodes)	0.75	4	OLP 210332
134	PC Repair	0.2	4	OLP 210332
135	Repair of Eppendorf centrifuse with accessories	1.1	1	OLP 210332
136	pH Solution (pH = 4.0; pH = 7.0; pH = 10.0)	0.05	3	OLP 210332
137	Carboxy Methyl Cellulose (100 gm)	0.15	3	OLP 210332
138	Amaranth Dye (100 gm)	0.2	2	OLP 210332
139	Methacrylic Acid (500 gm)	0.05	1	OLP 210332
140	Sodium Chloride (500 gm) AR Grade	0.03	2	OLP 210332
141	Potassium Dihydrogen Phosphate (500 gm) AR Grade	0.1	2	OLP 210332
142	Dipotassium Monohydrogen Phosphate (500 gm) AR Grade	0.1	2	OLP 210332
143	Disodium Hydrogen Phosphate (500 gm) AR Grade	0.1	2	OLP 210332
144	Sodium Dihydrogen Phosphate (500 gm) AR Grade	0.01	2	OLP 210332
145	2-Methyl-4-isothiazoline-3,1 hydrochloride (100 gm)	0.1	2	OLP 210332
146	Acrysol G-III thickening Agent (500 gm)	0.2	2	OLP 210332
147	Methanol (500 ml) AR Grade	0.05	5	OLP 210332
148	Ethanol (500 ml) AR Grade	0.05	5	OLP 210332
149	Acetone (500 ml) AR grade	0.05	5	OLP 210332
150	Nitrogen Gas (99.9%)	0.01	2	OLP 210332
151	Argon Gas (99.9%)	0.01	2	OLP 210332
152	Replacement front panel of X-ray power supply (554)	3.5	1	OLP 210332
153	Repairing of Ellipsometer controller (Model No. VB-400)	9	1	OLP 210332
154	Repair of existing UHV-PLD system (Heater, air compressor & others)	0.5	1	OLP 210332
155	TC 110 Electronic drive unitfor HiPace 80	1.6	2	OLP 210332
156	Repair of Scroll pump	0.3	1	OLP 210332

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157	Repair of Rotary pump	0.4	1	OLP 210332
158	Repair of Chiller	0.6	1	OLP 210332
159	Consumables (substrate, mask, sensors, etc)	0.2	As per Req.	OLP 210332
160	Sputter Targets	0.5	1	OLP 210332
161	Process Gases (N ₂ , Ar ₂ , O ₂)	0.5	As per Req.	OLP 210332
162	UPS repair and accessories	0.5	1	OLP 210332
163	Data Acquisition System for UV-Vis Spectrometer	0.5	1	OLP 210432
164	Blue LASER 445nm	1.5	One	OLP 210432
165	Room Heater	0.150	1	OLP 210432
166	Spare for Optical Microscope	0.500	1	OLP 210432
167	Load Cell	0.200	As per Req.	OLP 210432
168	Vacuum Cleaner	0.140	1 Nos	OLP 210432
169	Air Conditioners	0.700	2	OLP 210432
170	Repair of FRA Module of Electrochemical Workstation Model 302N	5.6	1	OLP 210432
171	Repair of existing hydrogen generator and replacement of misc. components that consists	3.7	1	OLP 210432
172	Repair and replacement of Millipore DI Water plant spare parts: Front Panel Display (ZF3000110CENT)	1.25	1	OLP 210432
173	Repair of Nanoindentation	1	1	OLP 210432
174	Repair of Laser Raman	0.5	1	OLP 210432
175	Repair of turbo power supply	1	1	OLP 210432
176	Repair of Exhaust controller	0.5		OLP 210432
177	Repair of FTIR spectrometer	4.1	1	OLP 210432
178	Probe Sonicator	0.75	2	OLP 210432
179	Spin Coater	0.3	2	OLP 210432
180	Regeneration	0.5	1	OLP 210432
181	Repair of Julabo	0.2	1	OLP 210432
182	PC connected for I-V measurement	0.75	1	OLP 210432
183	Repair of balance	0.3	2	OLP 210432
184	Thermal evaporator (attached with glove box)	1	1	OLP 210432
185	GPC/HPLC software, upgradation	3.25	1	OLP 210432
186	Centrifuge machine repair	0.75	1	OLP 210432
187	Repair of thermal evaporator	0.25	1	OLP 210432
188	PL Repair	0.5	1	OLP 210432
189	Service and repaired of Glove box with thermal evaporator	2	1	OLP 210432
190	Repair of UPS	0.15	1	OLP 210432
191	Repair of spin coated	0.25	3	OLP 210432
192	Repair of vacuum pump	0.25	1	OLP 210432
193	Shunt for current / voltage and its power supply(replacement)	0.25	2	OLP 210432
194	AMC for outdoor display in solar-park	0.4	1	OLP 210432
195	Pyranometer sensor	0.35	1	OLP 210432
196	AMC PV performance monitoring system	0.35	1	OLP 210432
197	Repair of UPS	0.1	1	OLP 210432
198	Repair of Solar tracker in solar park	0.1	1	OLP 210432

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199	Vacuum pumps	0.2	2	OLP 210432
200	Chemicals and Consumables	1	1	OLP 210432
201	(BET) NOVA 2000e Surface Area & Pore size Analyzer	2	One	OLP 210432
202	Dip Coater	1	One	OLP 210432
203	Muffle furnace	0.125	One	OLP 210432
204	Optomechanics components	0.35	Five	OLP 210432
205	OFHC Gasket 40 CFgasket 1 pkt with 10 pcs each	0.2	20 pkt	OLP 210432
206	repair of Turbo molecular pump	1.3	Two	OLP 210432
207	Optics : Lens, mirrors, prisms etc	0.3	15	OLP 210432
208	Drierite Refill Kit for L68GP Molecular sieves and silica gel for Evolution laser	0.4	Ten	OLP 210432
209	Origin Software	0.500	1	OLP 210432
210	Endote	0.150	1	OLP 210432
211	Spares of Arc Melting Machine	0.450	1	OLP 210432
212	Spares of Arc Melting Machine	0.250	1	OLP 210432
213	Spares of Arc Melting Machine	0.150	1	OLP 210432
214	Spares of Arc Melting Machine	0.200	1	OLP 210432
215	Spares of existing VSM	0.200	1	OLP 210432
216	Spares of existing VSM	0.350	1	OLP 210432
217	Spares of existing VSM	0.550	1	OLP 210432
218	Spares of existing VSM	0.800	1	OLP 210432
219	Spares of existing VSM	0.150	1	OLP 210432
220	Probe Unit (Pt) for M10 type (φ1.2R)	3.100	1	OLP 210432
221	FESEM Chiller Unit	1.300	One	OLP 210432
222	SPS Chiller Unit compressor	1.000	One	OLP 210432
223	Batteries for LFA UPS	0.800	16	OLP 210432
224	Ag/AgCl reference electrodes	0.25	2	OLP 210432
225	Pt counter electrodes	0.15	1	OLP 210432
226	pH meter	0.2	1	OLP 210432
227	Zn metal foil	0.4	1	OLP 210432
228	repair of spray drier	0.5	1	OLP 210432
229	repair of hydraulic press	0.15	2	OLP 210432
230	repair of syringe pump	0.05	1	OLP 210432
231	hydrothermal bomb	0.4	2	OLP 210432
232	film applicators	0.25	2	OLP 210432
233	ZnSO4	0.03	1	OLP 210432
234	porcelien crucibles	0.15	20	OLP 210432
235	Beakers	0.02	10	OLP 210432
236	Beakers	0.02	20	OLP 210432
237	Beakers	0.02	20	OLP 210432
238	CaCl2	0.02	2	OLP 210432
239	Zn(CF3SO3)2	0.06	2	OLP 210432
240	coin cells cases	0.2	100 set	OLP 210432
241	Acetone	0.02	5 lit	OLP 210432
242	Ethanol	0.02	5 lit	OLP 210432
243	Lab coats	0.02	5	OLP 210432

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244	safety glasses	0.01	5	OPL 210432
245	Manitol	0.02	1	OPL 210432
246	Magnetic stirring bars	0.12	25	OPL 210432
247	magnetic retriever	0.02	2	OPL 210432
248	Induction heating Kit	0.100	1	OPL 210432
249	Computer Repair and Spare	0.250	As Per Req.	OPL 210432
250	Consumable for 3D Printer	0.250	As Per Req.	OPL 210432
251	Spares of 3D Printer	0.500	As Per Req.	OPL 210432
252	photoresist	0.120	As per requireme	OPL 210432
253	Dicing tape	0.150	As per requireme	OPL 210432
254	Chemical consumables like HF, Ethanol, IPA and Tri ethanol amine, QDs	0.750	As per requireme	OPL 210432
255	Micro positiners and probes , translational and rotational stages	1.600	6	OPL 210432
256	Soldering station	0.200	1	OPL 210432
257	Electrical BNC cable, Miscellenious such as T and two way connectors and couplers etc	0.250	As per requireme	OPL 210432
258	Gases: Acetylene	0.150	2	OPL 210432
259	Reference electrode	0.020	2	OPL 210432
260	Nitrile Gloves	0.100	As per requireme	OPL 210432
261	Quartz tubes	0.250	4	OPL 210432
262	Sample box (Culture box) with 6 and 8 wells	0.050	As per requireme	OPL 210432
263	Photo resist film	0.010	As per requireme	OPL 210432
264	Spray bottle	0.500	6	OPL 210432
265	Foreceps	0.025	2	OPL 210432
266	Microscope Lamp	0.150	10	OPL 210432
267	SMPs Power supply	0.100	2	OPL 210432
268	Ferrocene	0.250	2kg	OPL 210432
269	Aramid fabric	0.250	12 square mete	OPL 210432
270	Connecting Cable	0.030	one no	OPL 210432
271	RAM	0.100	4	OPL 210432
272	Polyamide	0.080	25 kg	OPL 210432
273	Polyethylenimine	0.250	500 ml	OPL 210432
274	Polyethylene glycol	0.075	500 gm	OPL 210432
275	Dimethylformamide	0.250	20 liter	OPL 210432
276	Heat Resistant Gloves	0.050	10 Nos	OPL 210432
277	High temperature resistant film	0.020	1 roll	OPL 210432
278	Recrystalline alumina tubes	0.250	2 Nos	OPL 210432
279	Laboratory Jacks	0.100	2 Nos	OPL 210432
280	Prssure gauges	0.050	2 Nos	OPL 210432
281	Gas pipe line fitting items	0.250		OPL 210432
282	O-rings	0.050	20 nos	OPL 210432
283	Mist maker	0.050	5 nos	OPL 210432
284	Syringes	0.040	20 nos	OPL 210432
285	Hydrothermal autoclave reactor	0.250	1 Nos	OPL 210432
286	Testing of samples	0.250	10 nos	OPL 210432

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287	Nitrogen Gas	0.600	30 Cylinder	OLP 210432
288	Argon Gas	0.540	30 Cylinder	OLP 210432
289	Zero Air	0.180	10 Cylinder	OLP 210432
290	Oxygen gas	0.110	10 Cylinder	OLP 210432
291	Helium Gas	1.000	5 Cylinder	OLP 210432
292	Sample Cells (9mm) for Autosorb iQ	0.700	10 Pieces	OLP 210432
293	QC Standard for Autosorb iQ	0.400	1	OLP 210432
294	Anti-Virus for 10 users	0.050	1	OLP 210432
295	Gas Pipe (Item Code 51142033) for	0.600	2	OLP 210432
296	O-Ring 2.5X0.65 (Item Code 51191802) for TGA	0.040	2	OLP 210432
297	AMC for TGADSC1 and DSC 1	1.200	2	OLP 210432
298	Diethyleletriamine, reagent plus 99%	0.047	1 lit	OLP 210432
299	Terephthalaldehyde, reagent plus®, 99%	0.150	500gm	OLP 210432
300	Tris(2-aminoethyl)amine, 96%	0.135	100ml	OLP 210432
301	N-Butyllithim solution 0.2M in Cyclo&	0.275	800ml	OLP 210432
302	Poly(dimethylsiloxane) BIS (3-Aminoprop & (molweight ~2500)	0.185	50 ml	OLP 210432
303	Benzaldehyde reagents plus , >=99 %	0.021	250 ml	OLP 210432
304	Trifluoetoacetic acid , reagent plus (R)9&	0.100	100ml	OLP 210432
305	4,4' Diaminodiphenylmethane, >=97%&	0.073	1kg	OLP 210432
306	2- Hydroxyethyl Disulfide , Tech	0.260	250 ml	OLP 210432
307	Dibutyltin Dilaurate, 95%	0.145	500 gm	OLP 210432
308	N,N- Dimethylacetamide, reagent plus(R) , &	0.110	2.5 lit	OLP 210432
309	4, 4' Diaminobibenzyl	0.130	10 g-F	OLP 210432
310	Isophorone Diisocyanate 98 %, Mixture O &	0.090	250 ml	OLP 210432
311	2-Hydroxyethyl Disulfide, Tech	0.260	250 ml	OLP 210432
312	Horizontal tubular furnance 1700° C	6.5	1	OLP 210532
313	1kVA UPS (online)	0.5	3	OLP 210532
314	Pending Bill Payments (P07 & P-50)	1.51	As per Req.	OLP 210532
315	Gauss Meter and Probes	0.25	As per Req.	OLP 210532
316	Water Chiller for CPW-FMR Instrument	2.5	1	OLP 210532
317	Weighing balance (5th decimal places)	1.5	1	OLP 210532
318	pH meter and conductivity meter	1	1 each	OLP 210532
319	old payment pending files (Millipore water purification system cartridges).	3.1	As per Req.	OLP 210532
320	Minor equipments (Alcohol meter, centrifuge, balances 220 g & 2.5 kg, furnaces, oven, filtration unit, Gas, Digital melting point apparatus, hot plate with stirrer, printer-scanner-photo copy etc.)	7	As per Req.	OLP 210532
321	Mass flow controller	1	1	OLP 210532
322	CVD Furnace	5	1	OLP 210532
323	Wide range Temperature controller	1	1	OLP 210532
324	Rotary Pump	2	1	OLP 210532
325	ZnO chemical in Powder form	0.45	500 g	OLP 210532
326	Gloves	0.1	10 boxes	OLP 210532
327	CTB heater coil &Magnetic Peddle	0.05	5 & 10	OLP 210532
328	Beaker (250ml)	0.1	40	OLP 210532
329	Boric acid	0.015	1000g	OLP 210532

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NPL Non-Project Procurement List 2021-22 as on 10th Nov 2021

330	Potassium hydroxide	0.025	500g	OLP 210532
331	Oxalic acid	0.01	500g	OLP 210532
332	Potassium dichromate	0.02	500g	OLP 210532
333	Thallium hydroxide	0.025	1000g	OLP 210532
334	Chemical detergent Extran MAO2 liquid Nutrol	0.07	1 lit	OLP 210532
335	Gas P10 cylinder	0.26	2	OLP 210532
336	Dies set	0.2	2	OLP 210532
337	Graphite Crucible	0.4	2	OLP 210532
338	Creatinine	0.1	100g	OLP 210532
339	Chemicals (Iso propanol, Aceton etc.)	0.19215	As per Req.	OLP 210532
340	Minor equipments repair works (UPS, air compressor, water chiller of CPW-FMR, water chiller for MXRD, power supply, furnace. High Temp Furnace etc.)	1	As per Req.	OLP 210532
341	Repair of Tri-Arc-Melting Instrument	1	1	OLP 210532
342	Re-installtion of Hydraulic set-up for magnetic measurments	0.25	1	OLP 210532
343	(i). Re-installation of varian electromagent set-up (ii). Interphasing of varian electromagnet for CPW-FMR Instrument (iii). Repair and replacement of elctrical ccomponents for power supply of the electromagnet set-up	0.75	3 (1 for each)	OLP 210532
344	Hub & Router	0.1	As per Req.	OLP 210532
345	Antimony powder	0.08	10 gram	OLP 210532
346	Silver powder	0.04	10gram	OLP 210532
347	PEDOT :PSS	0.04	10ml	OLP 210532
348	Argon cylynder	0.1	1	OLP 210532
349	Sb2S3 powder	0.03	1 gram	OLP 210532
350	ethanol	0.007	1 ltr	OLP 210532
351	acetone	0.005	1 ltr	OLP 210532
352	IPA	0.011	1 ltr	OLP 210532
353	Cadmium sulfate	0.012	1 gram	OLP 210532
354	Cadmium chloride	0.006	1 gram	OLP 210532
355	Al powder	0.04	1 gram	OLP 210532
356	Indium	0.03	2 gram	OLP 210532
357	Sulfur	0.01235	1 gram	OLP 210532
358	Desicator (BIG 2)	0.045	3	OLP 210532
359	Sample holder box	0.004	20	OLP 210532
360	Mortar pestle	0.011	1	OLP 210532
361	Gloves (large)	0.01	5 pack	OLP 210532
362	Silica gel	0.007	1 pack	OLP 210532
363	Diamond Glass cutter	0.0025	2	OLP 210532
364	Glass slide	0.002	2 slide	OLP 210532
365	Copper tape	0.004	1	OLP 210532
366	Teflon tweaser	0.004	3	OLP 210532
367	TEM grid	0.08	1 pack	OLP 210532
368	Kethley callibration and installation of software.	0.3	As per Req.	OLP 210532
369	Repair of hall effect measurement	0.1	As per Req.	OLP 210532
370	Repair of sputtering system	0.12	As per Req.	OLP 210532

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NPL Non-Project Procurement List 2021-22 as on 10th Nov 2021

371	Repair of rotary pumps	0.1	As per Req.	OLP 210532
372	Repair of CVD system	0.2	As per Req.	OLP 210532
373	UV lamp	0.04	As per Req.	OLP 210532
374	PID cable	0.01	As per Req.	OLP 210532
375	Micro positioner probes	0.9	2	OLP 210532
376	Gpib to USB cable	0.72	1	OLP 210532
377	Digital microscope	0.07	1	OLP 210532
378	Repair of minor equipment (water purifier system, centrifuge, printer, PC, pelletizer etc.)	1.5	As per the requirement	OLP 210532
379	Chemicals & Consumables (Solvent, Chitosan, etc.)	1	As per Req.	OLP 210532
380	Repair of water chiller for Tri-Arc-Melting Instrument	0.79	As per Req.	OLP 210532
381	Hygrometer (Temperature & Humidity) meter	0.1	2	OLP 210532
382	Graphite Die set(s) for making targets/pellets	0.25	As per Req.	OLP 210532
383	Sputtering consumables	2.5	As per Req.	OLP 210532
384	Repair of High temp. Tubular furnace	0.5	As per Req.	OLP 210532
385	Repair and replacement of components of T_C set-up.	0.25	1	OLP 210532
386	Repair of temperature bath of magneto-rheometer	0.25	1	OLP 210532
387	AMC charges of EPR, Rheometer, XRD and PSA.	5	As per Req.	OLP 210532
388	1025 colour cartridge, Cannon Image Runner DX4735 Xerox Toner cartridge & 30A, 337 cartridges for HP Printer	0.5	8 Nos (2 each)	OLP 210532
389	AC Timer	0.04	1	OLP 210532
390	Acetone	0.1	2.5 litre x 3 and 500 ml x 6	OLP 210532
391	Isopropyl alcohol & Iso amyl acetate	0.06	500 ml x 6 & 500 ml x 4	OLP 210532
392	Computer items (Mouse, Keyboards, wifi router, web cam etc)	0.12	As per Req.	OLP 210532
393	UPS battery	0.03	2	OLP 210532
394	Aluminium Foil	0.04	2 kg	OLP 210532
395	Acetone, isopropyl alcohol and iso amyl acetate chemicals	0.1	As per Req.	OLP 210532
396	Nitrogen, Argon cylinder	0.2	2 each	OLP 210532
397	Consumables (acids, aluminium foils, carbon tape, AFM Tip, glasswa	1.3	As per Req.	OLP 210532
398	Conducting Silver Paste/Paint	0.25	As per Req.	OLP 210532
399	Pneumatic and accessories related to consumables	0.1	As per Req.	OLP 210532
400	Repair of minor equipment (Furnace, Oven etc.) 2. Assemble of AAS	1	As per Req.	OLP 210532
401	AMC of Instrument (IC)	0.8	1	OLP 210532

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NPL Non-Project Procurement List 2021-22 as on 10th Nov 2021

402	Chemicals & Consumbles (Chemicals like acetone, ethanol, l-glutamic acid, l-ascorbic acid, conc HNO ₃ , l-proline, l-leucine, iso-leucine, Cadmium sulphate, isopropylalcohol, cadmium chloride, Phthalic acid, adipic acid, strontium bromide, cadmium dibromide, lithium bromide, lithium chloride, ethanol, 3-Amino propyl triethoxysilane, Sodium hydroxide, Sodium silicate, Sodium nitrate etc. Glass wares, Plastic wares like beakers, polybags, plastic box, glass droppers, spatula, watchglass (small medium, large), forceps, glass tube, quartz tubes, petridish, 500 ml standard flask, glass rod, butter paper, tissue role, Aluminium foil etc. Standards like aqueous elemental solutions standards, Wheat Standard. etc)	4.47	as per requirement	OLP 210532
403	Column of IC (Cation&Anion)	1.25	As per Req.	OLP 210532
404	Cleaning System UV PLUS for ICPOES	1.03	As per Req.	OLP 210532
405	Gases (Argon 10 nos. Oxygen 2 Nos Nitrogen 2 nos. each acetylene 1 no	0.35	15	OLP 210532
406	Temperature Sensor	1.5	As per Req.	OLP 210532
407	Repair of Instruments and related consumables (AFM, Glove Box, UPS, Battery, Furnace, Chiller, Centrifuge, Fume hood, UV Spectrophotometer, FTIR, Pump, Computer, printer, rotary evaporator, Vacuum oven etc.)	3.5	As per Req.	OLP 210532
408	Instrument consumable parts	2.9	As per Req.	OLP 210532
409	High purity Chemicals and substrates	1	As per Req.	OLP 210532
410	BND certificates items for In-house & RMPs	0	As per Req.	OLP 210532
411	AMC of UV-VIS Spectrophotometer	0.4	As per Req.	OLP 210532
412	Miscellaneous (Tool box, mechanical and electronic tools, O-rings, neoprin sheet, clamps, push-fitting, centering, gas pneumatic gas pipeline, sholdering station/ iron, brass rod, copper rod, copper pipe, OHFC cooper, general stationary, cotton gloves, gloves, electrodes, Computer Repair and Copper Wire etc.)	0.7	As per Req.	OLP 210532
413	Regulated DC power Source_VB	0.3	1	OLP 210632
414	UPS_TB	0.15	2	OLP 210632
415	NTP Card_DSY	0.6	1	OLP 210632
416	Current controller	1	1	OLP 210632
417	Temperature controller	1	1	OLP 210632
418	Works & services (Mechanical zig constuction)	0.03	1	OLP 210632
419	Almirah (metal)	0.2	1	OLP 210632
420	Refrigerator	0.1	1	OLP 210632
421	PMU with Cal Certificate	4.5	1	OLP 210632
422	RF millivoltmeter with Cal Certificate	4	1	OLP 210632
423	2kVA UPS with isolation transformer	0.5	1	OLP 210632
424	Reverbration Chamber	19	01 (One)	OLP 210632
425	Computer UPS	0.1	02 (Two)	OLP 210632
426	MS office 365_VB	0.06	1	OLP 210632
427	Electronic tool kit_VB	0.1	1	OLP 210632

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NPL Non-Project Procurement List 2021-22 as on 10th Nov 2021

428	Pen drive (64 GB)_VB	0.03	2	OLP 210632
429	External Portable hard disk (1 TB)_VB	0.17	1	OLP 210632
430	NavIC and GPS Receiver development boards with modules_VB	0.6	3	OLP 210632
431	GNSS antenna_VB	0.55	3	OLP 210632
432	Raspberry Pi 4B (8 GB)_VB	0.05	1	OLP 210632
433	Memory card (64 GB)_VB	0.02	2	OLP 210632
434	TDC with accessories_VB	0.25	1	OLP 210632
435	Telephone Instrument_VB	0.03	2	OLP 210632
436	Communication & display cables_VB	0.05	1 set	OLP 210632
437	Connectors and adapters for coaxial cables_VB	0.25	1	OLP 210632
438	Wired key board & mouse_VB	0.01	1	OLP 210632
439	Hole Saw drill bit set_VB	0.05	1	OLP 210632
440	Memory card reader_VB	0.01	2	OLP 210632
441	Low Noise amplifier_VB	2.5	1	OLP 210632
442	Printer catridge_PT	0.1	2	OLP 210632
443	portable hard disk_PT	0.1	1	OLP 210632
444	Win 10 OS_TB	0.14	1	OLP 210632
445	MS Office_TB	0.15	1	OLP 210632
446	Hard Disk Drive 4TB_TB	0.08	1	OLP 210632
447	Stationary Items_DSY	0.03		OLP 210632
448	UPS for computer_DSY	0.07	1	OLP 210632
449	Modems and LED controllers	0.24	Misc.	OLP 210632
450	PCB printing	0.2	5	OLP 210632
451	PCB printed test board	0.2	5	OLP 210632
452	Interface cable	1	1	OLP 210632
453	Batteries for UPS	0.3	4	OLP 210632
454	Computer workstation repair	0.2	1	OLP 210632
455	UPS battery	0.04	4	OLP 210632
456	Equipment Repair	0.2	4	OLP 210632
457	printer catridges	0.104	4	OLP 210632
458	H2TIC module	5	2	OLP 210632
459	H2AC module	0.1	2	OLP 210632
460	Repair of UPS (AML 211)	0.5	2	OLP 210632
461	H2DC	1	1	OLP 210632
462	Laser Diode chip	2	2	OLP 210632
463	Aspheric lens	0.1	1	OLP 210632
464	Collimation tube	0.15	1	OLP 210632
465	Reflective Grating	0.1	1	OLP 210632
466	Piezo transducer	0.15	1	OLP 210632
467	Temperature sensor	0.02	10	OLP 210632
468	electrical and electronics components	0.2	1	OLP 210632
469	Optics and optomechanical compnents	0.2	1	OLP 210632
470	Repair of computer, Printer and scanner	0.05	1	OLP 210632
471	AMC for FIB (Zeiss Auriga) system	3.6	1	OLP 210632
472	Power supply repair	0.18	1	OLP 210632

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NPL Non-Project Procurement List 2021-22 as on 10th Nov 2021

473	Screw driver set	0.02	2	OLP 210632
474	PC repair and upgrade	0.15	1	OLP 210632
475	Batteries for UPS (APC RT 2000)	0.48	1	OLP 210632
476	Repair of desktopINA9210348	0.11	1	OLP 210632
477	Repair of desktop	0.09	1	OLP 210632
478	Gold electrical pins	0.02	1	OLP 210632
479	Cryo cables	2	1	OLP 210632
480	OHFC Sample Holder	0.25	1	OLP 210632
481	Flexi PCB cables	0.2	1	OLP 210632
482	Repair of soldering station	0.05	1	OLP 210632
483	OHFC block	0.22	1	OLP 210632
484	Adapters SMA to SMA	0.24	1	OLP 210632
485	Ferrite Core Split, 9.85 mm, 25 MHz, 300 MHz, 225 ohm	0.05	1	OLP 210632
486	Adapters SMA to SMA Right angled	0.24	1	OLP 210632
487	D sub connector	0.05	1	OLP 210632
488	Upgradation of Personal Computer	0.1	1	OLP 210632
489	1 inch Banana to BNC cable	0.03	1	OLP 210632
490	3 inch Banana to BNC cable	0.03	1	OLP 210632
491	Thimbles(copper/Brass)	0.04	20	OLP 210632
492	Tool Kit (Allen Keys set, Tweezers, Hammer)	0.01	1	OLP 210632
493	Bench Wise	0.03	1	OLP 210632
494	BNC Cables	0.04	2	OLP 210632
495	3 inch N to N type cable	0.08	2	OLP 210632
496	BNC to BNC Connector with 1meter cable	0.1	2	OLP 210632
497	BNC Male to N Type Female Connector	0.04	1	OLP 210632
498	BNC Tee F-F-F	0.04	1	OLP 210632
499	Chair	0.1	1	OLP 210632
500	2 way 3 pin Universal Conversion Plug	0.01	2	OLP 210632
501	PMU Open Cables Metrology Grade	0.1	20	OLP 210632
502	Trolley for carrying equipment	0.13	1	OLP 210632
503	Extension Board	0.015	2	OLP 210632
504	KeyBoard (wired)	0.02	2	OLP 210632
505	Shoe Rack	0.05	1	OLP 210632
506	CMC Display Boards	0.04	4	OLP 210632
507	Earphones	0.045	6	OLP 210632
508	DAQ Module/card	0.7	01 (One)	OLP 210632
509	Alkaline AA Cell, AAA Cell & 9 V Cell	0.1	30 (each size)	OLP 210632
510	PVC COPPER WIRE	0.05	One each	OLP 210632
511	Conducting Silver Paste	0.25	01 (One)	OLP 210632
512	Plug	0.15	30 (Thirty)	OLP 210632
513	Lexmark colour Printer Compatible Cartridge	0.2	03 (Three)	OLP 210632
514	Hp toner cartridge	0.15	01, 02	OLP 210632
515	Motors	0.25	04 (Four)	OLP 210632
516	Arduino	0.1	10 (Ten)	OLP 210632
517	Switches	0.1	10 (Ten)	OLP 210632

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NPL Non-Project Procurement List 2021-22 as on 10th Nov 2021

518	Managed Switch, router, Gang Box, Lan Cables,	0.25	01, 01, 05, 10	OLP 210632
519	Chemicals	0.75	As Per Req.	OLP 210632
520	HSS Hand Hacksaw blade 12"×1/2" ×0.025" (300 mm ×12.5 mm ×0.63 mm)	4000	50 nos.	OLP 210732 (Workshop)
521	HSS Power Hacksaw blade 14"×1" ×0.050" (350 mm ×25 mm ×1.25 mm)	9000	20 nos.	OLP 210732 (Workshop)
522	HSS Power Hacksaw blade 18"×1 1/2" ×0.062" (450 mm ×40 mm ×1.60 mm)	24000	20 nos.	OLP 210732 (Workshop)
523	Cutting Wheel dia 125 mm ×1.0 mm×22.23 mm	1500	40 nos.	OLP 210732 (Workshop)
524	M.S. Welding Rod 3.15 mm	5000	10 packet	OLP 210732 (Workshop)
525	Aluminium Sheet 1.5 mm thickness×1220mm ×2440 mm	5000	1 no.	OLP 210732 (Workshop)
526	Aluminium Sheet SWG18 thickness×1220mm ×2440 mm	4000	1 no	OLP 210732 (Workshop)
527	Acrylic/ perspex Sheets 5 mm thickness ×1220mm ×2440 mm	5000	1 no.	OLP 210732 (Workshop)
528	Acrylic/ perspex Sheets 6 mm thickness ×1220mm ×2440 mm	6000	1 no.	OLP 210732 (Workshop)
529	Acrylic/ perspex Sheets 8 mm thickness ×1220mm ×2440 mm	8000	1 no.	OLP 210732 (Workshop)
530	Acrylic/ perspex Sheets 10 mm thickness ×1220mm ×2440 mm	10000	1 no.	OLP 210732 (Workshop)
531	Kerosine Oil	4000	50 L	OLP 210732 (Workshop)
532	Cotton Jute (Waste)	4500	50 kg	OLP 210732 (Workshop)
533	HSS End Mill Cutter 1 mm	10000	10 nos.	OLP 210732 (Workshop)
534	HSS End Mill Cutter 1.5 mm	10000	10 nos.	OLP 210732 (Workshop)
535	HSS End Mill Cutter 2 mm	10000	10 nos.	OLP 210732 (Workshop)
536	Carbide End Mill Cutter 1 mm	10000	10 nos.	OLP 210732 (Workshop)
537	Carbide End Mill Cutter 1.5 mm	10000	10 nos.	OLP 210732 (Workshop)
538	Carbide End Mill Cutter 2 mm	10000	10 nos.	OLP 210732 (Workshop)
539	Fly Nut S.S. M5 size	400	100 nos.	OLP 210732 (Workshop)
540	Fly Nut S.S. M6 size	400	100 nos.	OLP 210732 (Workshop)
541	Fly Nut S.S. M8 size	500	100 nos.	OLP 210732 (Workshop)
542	Fly Nut S.S. M10 size	600	100 nos.	OLP 210732 (Workshop)
543	Triangular File 4 inch length	600	10 nos.	OLP 210732 (Workshop)
544	Allen Key Set-full	1500	1 no.	OLP 210732 (Workshop)

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NPL Non-Project Procurement List 2021-22 as on 10th Nov 2021

545	Double-ended spanner Set	1500	1 no.	OLP 210732 (Workshop)
546	HSS Drill dia 1 mm	600	10 nos.	OLP 210732 (Workshop)
547	HSS Drill dia 1.5 mm	600	10 nos.	OLP 210732 (Workshop)
548	HSS Drill dia 2 mm	600	10 nos.	OLP 210732 (Workshop)
549	HSS Drill dia 2.5 mm	600	10 nos.	OLP 210732 (Workshop)
550	HSS Drill dia 3 mm	600	10 nos.	OLP 210732 (Workshop)
551	HSS Drill dia 3.5 mm	600	10 nos.	OLP 210732 (Workshop)
552	HSS Drill dia 4 mm	600	10 nos.	OLP 210732 (Workshop)
553	HSS Drill dia 4.5 mm	800	10 nos.	OLP 210732 (Workshop)
554	HSS Drill dia 5 mm	1000	10 nos.	OLP 210732 (Workshop)
555	HSS Drill dia 5.5 mm	1200	10 nos.	OLP 210732 (Workshop)
556	HSS Drill dia 6 mm	1500	10 nos.	OLP 210732 (Workshop)
557	HSS Drill dia 6.5 mm	1500	10 nos.	OLP 210732 (Workshop)
558	HSS Drill dia 7 mm	2000	10 nos.	OLP 210732 (Workshop)
559	HSS Drill dia 7.5 mm	2000	10 nos.	OLP 210732 (Workshop)
560	HSS Drill dia 8 mm	2000	10 nos.	OLP 210732 (Workshop)
561	HSS Drill dia 8.5 mm	2500	10 nos.	OLP 210732 (Workshop)
562	HSS Drill dia 9.0 mm	3000	10 nos.	OLP 210732 (Workshop)
563	HSS Drill dia 9.5 mm	3000	10 nos.	OLP 210732 (Workshop)
564	Numbered Drill Bit Set	8000	2 nos.	OLP 210732 (Workshop)
565	Pneumatic pipe 6 mm/8 mm	3500	100 metres	OLP 210732 (Workshop)
566	Paint Smoke Grey colour 20 L	12000	2 buckets	OLP 210732 (Workshop)
567	Paint Brush 2 inch, 3 inch and 4 inch size	1500	4 nos. each	OLP 210732 (Workshop)
568	Turpentine oil	3000	20 L	OLP 210732 (Workshop)
569	Repair of lathe machine	20000	01 no	OLP 210732 (Workshop)
570	Benzene-1,3,5-Tricarboxaldehyde, 97%	0.110	250 mg	OLP 210432
571	4-Aminophenyl Disulfide 98%	0.320	25 gm	OLP 210432
572	UV LED chip	0.050	4	OLP 210432

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573	Electronic boards and circuits	0.100	5	OLP 210432
574	Stepper motors with electronic DIY Kit	0.100	1	OLP 210432
575	UV Drum roller DIY Kit	0.100	1	OLP 210432
576	3D Printer driver and Controller for additive manufacturing	0.150	1	OLP 210432
577	Controller for additive manufacturing	0.100	1	OLP 210432
578	Resin bath and film	0.150	1	OLP 210432
579	Repair of Nitrogen plant	1.000	1	OLP 210432
580	Repair of Rotary UPS 1100 kVA	11.500	1	OLP 210432
581	Repair of furnace	0.5	2	OLP 210432
582	Origin Pro Software	13	500	OLP 210732 (KRC)

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