

NPL Non-Project Procurement List 2025-26 as on Apr 09 , 2025

S.No	Item Name	Recurring / Non-Recurring	Notional No.	Qty.
1	High Pricission PRT	Recurring	INS202501	1
2	Vibration sensor	Recurring	INS202501	1
3	Customized lamp holders, connectors, general purpose lamps, cleaning items and to meet regular wear & tear with lab items	Recurring	INS202501	20 (As per requirement)
4	Wavelength calibration light source	Recurring	INS202501	1
5	Pressure & Vaccum line fittings	Recurring	INS202501	as per requirement
6	Repair of GBI300 instrumentation	Recurring	INS202501	1 set
7	Repair of Vacuum Pump	Recurring	INS202501	as per requirement
8	AMC/service for Raman spectrometer	Recurring	INS202501	1
9	AMC for Primary Pressure Standard (NPL-H1)	Recurring	INS202501	1
10	AMC for Secondar Vibration Calibration System	Recurring	INS202501	1
11	Spatial light modulator chip, controller and power supply	Recurring	INS202501	1
12	High pressure pneumatic valve	Recurring	INS202501	2
13	Toner cartridges for printing	Recurring	INS202501	41
14	Surface roughness measurement Instrument	Non-Recurring	INS202501	1
15	Oil less Sound Proof Air Compressor with Acessories	Non-Recurring	INS202501	1
16	Mass Flowmeter for Low Liquid Flow system	Non-Recurring	INS202501	2
17	High Purity Chemical (5N), Helium gas & quartz tube).	Recurring	INS202502	as per the requirement
18	Consumables- coaxial cable Triax, low noise cable, Musa Connectors, connectors Fixtures, adapters, micro-positioners, RS 232 cable, GPIB USB cable, extension boards, banana cable, banana to alligator clip, enameled copper wire, Batteries etc.)	Recurring	INS202502	as per the requirement
19	Flexible copper cable 6000Ax5 Meters (with lugs & sleeves)	Recurring	INS202502	4
20	Annual Membership Renewal of DLMS UA	Recurring	INS202502	1
21	Annual licence renewal of CTT/DTT Test Tool version 4.3 r103	Recurring	INS202502	1
22	Consumables for PJVS system (Customised copper case and customised planer components)	Recurring	INS202502	1 each
23	Low Thermal Cables, 1 m length approx shielded, 50 Ohm	Recurring	INS202502	3
24	Spare parts for sputtering system and UPS	Recurring	INS202502	1
25	Furnace,Pumps, water chiller etc	Recurring	INS202502	As per requirement
26	Substrates, targets etc	Recurring	INS202502	as per requirement
27	AC/DC standard Resistor - 10 ohm	Non-Recurring	INS202502	1
28	1 micro H Inductor	Non-Recurring	INS202502	1

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29	AC Kilo Voltmeter Up to 100 kV with AC Frequency Range Upto 1 kHz	Non-Recurring	INS202502	1
30	DC power supply for magnetron sputtering Unit with following specifications: Output voltage: up to 1200 V (from 50 V); Output current: up to 1200 mA (from 1 mA); Output Power: up to 600 W (from 1 W); Switch mode- 3 outputs for magnetrons	Non-Recurring	INS202502	1
31	Process and target gases (Ar, O2, N2, H2, NH3, H2S, NO, NO2, SO2, CO, etc.	Recurring	INS202503	as req.
32	Cryogenic Valves, Size : inlet/ outlet : 3/8" F NPT, Part No. T9453	Recurring	INS202503	6
33	DNA Sequence	Recurring	INS202503	as req.
34	Gas filling system	Recurring	INS202503	1
35	Laser flash lamp and deionization cartridge for Raman lidar system	Recurring	INS202503	One each
36	Refilling of various gases (Helium-8 Nos.; Oxygen-3Nos.; Nitrogen-6Nos.; Carbon dioxide-6Nos.)	Recurring	INS202503	8,3,6,6
37	Novatel GPS receiver	Recurring	INS202503	1
38	High vacuum fittings	Recurring	INS202503	As per the req
39	Substrates	Recurring	INS202503	As per the req
40	Substrate Heater with power and temperature controller	Recurring	INS202503	1
41	Repairing of FTIR System	Recurring	INS202503	As per the req
42	Agilent gas chromatograph	Recurring	INS202503	2
43	1. PM samplers repair 2. Gas sampler repair	Recurring	INS202503	PM sampler 3, Gas sampler 2
44	Micro Aethlometer	Non-Recurring	INS202503	1
45	A system with constant flow and multichannel particle collection holders (customised)	Non-Recurring	INS202503	1
46	Gas Chromatograph with Helium Ionization Detector	Non-Recurring	INS202503	1
47	Radon Gas Sniffer/ Logger/ Dosimeter	Non-Recurring	INS202503	1
48	Work station with CrystalXE Upgrade	Non-Recurring	INS202503	1
49	Dry Scroll Vacuum Pump	Non-Recurring	INS202503	1
50	Infrasonic Sensor with Accessories and data Analysis	Non-Recurring	INS202503	1
51	One set of Pyranometer, UV Radiometer and Pyrgeometer with	Non-Recurring	INS202503	1
52	Workstation with, Linux OS	Non-Recurring	INS202503	1
53	fabrication f Cylinder Lifting & Movement System	Non-Recurring	INS202503	2
54	Precise DC Magnetron Power Supply of 600 W Capacity	Non-Recurring	INS202503	1
55	Scroll Pump Accessories and Servicing	Recurring	INS202503	1

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56	75AH/12V S.M.F. Batteries	Recurring	INS202503	1
57	Service Repair and Upgradation of EAIRMS	Recurring	INS202503	1
58	Repalcement Shutter Assembly for Excitation and Emission	Recurring	INS202503	1
59	Repair of Power Supply Board	Recurring	INS202503	1
60	ELP UV lamp complete Tungston halogen Lamp	Recurring	INS202503	1
61	AMC of Agilent 6890 GCs	Recurring	INS202503	1
62	Lead Acid Batteries of 100Ah and 12 Volat	Recurring	INS202503	1
63	ION Gauge head mounted on Filaments	Recurring	INS202503	1
64	Receiving Turnstile Loop Antenna-REV2	Recurring	INS202503	1
65	GC Capillary Column %Sil MS CAP	Recurring	INS202503	1
66	Batteries for UPS	Recurring	INS202504	As per req.
67	Si/SiO2 wafer dia 4 inch p-type with resistivity around 0.005 ohm cm with SiO2 film thickness 300nm	Recurring	INS202504	25
68	Gold evaporation wire, 0.25mm diameter	Recurring	INS202504	8.4 grams
69	3D Printer Consumable	Recurring	INS202504	1
70	Unforeseen Repair of insfurnaces, truments, Equipments in Carbon Section like Ovens, CVD set up, Vauum System, Pumps, Guages and other equipments	Recurring	INS202504	As per requirement
71	Tungsten wire, carbon tape, copper tape, silver paste, digital burnier calliper etc.	Recurring	INS202504	As per requirement
72	Weighing Balance	Recurring	INS202504	As per requirement
73	AMC of Field Emission Scanning Electron Microscope (SUPRA 40 VP)	Recurring	INS202504	1
74	CHEMICAL GAS (CHG) N2, Ar, etc as per requirment	Recurring	INS202504	As per req.
75	2D Material	Recurring	INS202504	As per req.
76	Die and Mould for Injection moulding machine	Recurring	INS202504	1
77	NaOH, KOH etc.	Recurring	INS202504	As per req.
78	Various chemicals such as PEDOT:F, PEDOT:PSS, Mecrk make HF, H2O2, Acetone, IPA(2-propanol), H2SO4, HNO3, Copper nitrate, etc.	Recurring	INS202504	as per requirement
79	Cu catalysist, charcoal, molecular sieves, etc	Recurring	INS202504	As per requirement
80	ITO, FTO, anhydrous solvents, Metals, high purity powder chemicals like PbI2, BCP, PFN, MAI, F4TCNQ, etc, carbon black, graphite powder, PMMA, ethyl cellulose, etc.	Recurring	INS202504	As per requirement
81	Mxene	Recurring	INS202504	As per req.
82	Repair of Chiller Units	Recurring	INS202504	As per requirements
83	Repair of Servo Voltage Stabilizer	Recurring	INS202504	As per requirements
84	Making heating/Cooling arrangement with existing platens of compression molding machine	Recurring	INS202504	As per req.

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85	repairing of UV-visible spectrophotometer	Recurring	INS202504	1
86	Repairing of VNA	Recurring	INS202504	1
87	Repair of Oxford ITC temperature controller	Recurring	INS202504	1
88	Repair of Hall Measurement Unit	Recurring	INS202504	1
89	Vacuum chamber	Recurring	INS202504	1
90	AMC of TGA &DSC	Recurring	INS202504	1 set
91	DI water plant- cartridgesand filters, unforeseen Misc. Spares	Recurring	INS202504	as per requirement
92	Roughing and backing valve set	Recurring	INS202504	2 sets
93	Spares of Arc Melting	Recurring	INS202504	1
94	Microwave Kiln and Consumbles	Recurring	INS202504	1
95	CHNS consumable kit	Recurring	INS202504	1
96	calibration of AFM	Recurring	INS202504	10
97	Seebeck Instrument	Non-Recurring	INS202504	1
98	Hydrogen Generator	Non-Recurring	INS202504	1
99	Repair of existing Hydrogen Generator	Recurring	INS202504	1
100	TGADSC 1 and DSC 1	Recurring	INS202504	1
101	Refilling of ALD Precursor	Recurring	INS202504	1
102	FZ Silicon Wafer with Single Crystal	Recurring	INS202504	1
103	Repairing of Vacuum Oven	Recurring	INS202504	1
104	Methyl Ester Acid	Recurring	INS202504	1
105	GOLD Chloride Sodium Silver Nitrate Etc	Recurring	INS202504	1
106	Optical Table Leg	Recurring	INS202504	1
107	Alumina Reactor	Recurring	INS202504	1
108	Software for Dynamic Mechanical Analyzer	Recurring	INS202504	1
109	KUSB-488B-IEEE Interface Adapter	Recurring	INS202504	1
110	Gloves FilterOil Mist	Recurring	INS202504	1
111	PL Repair, PWR Supply, 450W Xenon	Recurring	INS202504	1
112	High purity gasses (Ar,N2,He,H2:Ar mixture	Recurring	INS202505	as per requirement
113	Afm tips, label printer, Vacuum/sputtering accessories, pendrive, tweezer,grease, gloves, wipes, substrates, UPS batteries, stationary items, equipment software, round bottom flask, centrifuge tubes, Pt,Ag/AgCl electrodes	Recurring	INS202505	as per requirement
114	AMC(FTIR, Glove Box)	Recurring	INS202505	1 each
115	Chemicals, silicon oil, DLS standards, Substartates, sputtering targets etc.	Recurring	INS202505	as per requirement
116	high purity chemical	Recurring	INS202505	as per requirement
117	Accessories for Retsch Ball Mill	Recurring	INS202505	as per requirement
118	Commercial grade chemicals eg. Ni, Ti etc.	Recurring	INS202505	as per requirement
119	High Purity Chemicals and Reference standards for FT-NMR, HPLC-MS, and Moisture Analyzer	Recurring	INS202505	as per requirement
120	Nitrogen, helium gas cylinder,	Recurring	INS202505	as per requirement
121	Standards, CRMs	Recurring	INS202505	as per requirement

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122	gases,impurity free acid and chemicals etc	Recurring	INS202505	as per requirement
123	Plasticwares, Glasswares, Gasses, Chemicals, high purity chemicals,	Recurring	INS202505	as per requirement
124	Equipment Accessories (Torch for ICP, Capillaries, IC parts etc.	Recurring	INS202505	as per requirement
125	Repair of equipment viz. Microwave digestor, UPS, Refrigerator, Centrifuge, Auto titrator and other items etc.	Recurring	INS202505	as per requirement
126	Milli-Q water system, Catriges for water purification system	Recurring	INS202505	as per requirement
127	Mass Flow Controller	Non-Recurring	INS202505	3
128	Centrifuge	Non-Recurring	INS202505	1
129	Optical and opto-mechanical (PBS, filters, mirrors, posts, holders, detector cards, optical fibers, IR viewer etc.)	Recurring	INS202506	As per requirements
130	Optics and optomechanical Components (mirror, post, holders, view ports, fibres, fibre holders, beam splitter, quarter wave and half wave plates etc)	Recurring	INS202506	20
131	As per requirements such as RF connectors, RF cables, SFP, Fibre, toolkit, etc	Recurring	INS202506	As per requirements
132	RF connectors & Adaptors (BMC, SMA, t-connectors etc..)	Recurring	INS202506	As per requirements
133	Microcontrollers/SBCs, Components, Electronic boards, Receiver modules, Cables and Connectors	Recurring	INS202506	As per requirements
134	HROG (Micro Phase Stepper) Repair	Recurring	INS202506	2
135	GNSS Receiver (GTR51) Repair	Recurring	INS202506	1
136	Visual studio 2022 with Plot Lab	Recurring	INS202506	1
137	Adapters, Cables, Printer Cartiages etc	Recurring	INS202506	As per req.
138	Microwave Source (Model E8257D)	Recurring	INS202506	1
139	Waveform Generator	Non-Recurring	INS202506	1
140	RF Millivoltmeter and Probe Kits along with required accessories	Non-Recurring	INS202506	1
141	Inspection & Evaluation of 100KV HVRMS System	Recurring	INS202502	1
142	Helium Gas 5N Grade	Recurring	INS202508	1800m3
143	Servicing of helium recovery compressor along with spare parts	Recurring	INS202508	One Unit
144	Professional charges for license renewal of storing LN2 in 6000 L tanks along with a license fee for the next 5 years and annual safety valve testing charges under rule 18.	Recurring	INS202508	One Tank and two valves
145	AMC/Oncall Maintance of LN2 Plant	Recurring	INS202508	One Plant

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146	Spare Parts for LN2 Plant Displacer Connecting Rod Guide Bushing Replenishment & Resistance Valve Starting valve Assembly of O' Rings, 219, 4Nos each Set of O' Rings 245, 4Nos each	Recurring	INS202508	One One Two One One Set One Set
147	Spare Parts for Helium compressor & Air compressor of both Plants (LHe &LN2 Plant)	Recurring	INS202508	As per requirement
148	Hydrostatic Testing, cleaning, Marking painting, Heating and conditioning charges for helium gas Cylinders	Recurring	INS202508	48Nos
149	SS Union Tee , Size: 1/2", SS Union Tee , Size 1/8" SS Needle Valves, Size 1/2" Reducer Tee (1/2 x1/4x 1/2) Check valve Size 1", Cracking Pressure 1/3 Psi Brass Ball Valves Size 1" FNPT Brass Ball Valves Size: 1/2" Compound Pressure guage -30mm of hg to 15 Psig	Recurring	INS202508	10Nos 5Nos 15Nos 5Nos 10Nos 20Nos 10Nos
150	Water Chiller, Capacity: 30 Ton	Non-Recurring	INS202508	1
151	Portable helium leak detector	Non-Recurring	INS202508	1

UPDATED AS ON APRIL 09, 2025

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