

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

| S.No | Item Name  | Recurring / Non-Recurring | Project No. | Qty.        |
|------|--|---------------------------|-------------|-------------|
| 1    | Pipes, Fittings, Flanges, Gaskets, Consumables item for Fluid Flow Lab, Lab Accessories etc.             | Recurring                 | OLP 240132  | As Per Req. |
| 2    | Repair of Solid based density standard   | Recurring                 | OLP 240132  | 1           |
| 3    | Fabrication of working station for Calibration of Hydraulic hand Dynamometer.                            | Recurring                 | OLP 240132  | 1           |
| 4    | Fabrication of Transparent Acrylic Sheet Cover for Robotic Mass Comparator e5 & Mass comparator CC1000SL | Recurring                 | OLP 240132  | 1           |
| 5    | AMC for Robotic Mass Comparator e5   | Recurring                 | OLP 240132  | 1           |
| 6    | SMPS   | Recurring                 | OLP 240132  | 1           |
| 7    | Power supply   | Recurring                 | OLP 240132  | 1           |
| 8    | Angular Glass scale  | Recurring                 | OLP 240132  | 1           |
| 9    | Flat mirror 100 mm diameter  | Recurring                 | OLP 240132  | 1           |
| 10   | Koster prism   | Recurring                 | OLP 240132  | 1           |
| 11   | Polygon rotary fixture   | Recurring                 | OLP 240132  | 1           |
| 12   | Lapping (Planten/gauge blocks)   | Recurring                 | OLP 240132  | 15          |
| 13   | Optics cleaning kit  | Recurring                 | OLP 240132  | 1           |
| 14   | Vices  | Recurring                 | OLP 240132  | 4           |
| 15   | HP 110A  | Recurring                 | OLP 240132  | 2           |
| 16   | Vibration Sensor (Accelerometer)   | Recurring                 | OLP 240132  | 1           |
| 17   | Canon Printer MF3010 Cartridge 925   | Recurring                 | OLP 240132  | 4           |
| 18   | SMPS   | Recurring                 | OLP 240132  | 1           |
| 19   | Optical Components   | Recurring                 | OLP 240132  | as per req. |
| 20   | Repair of FK31 Bath  | Recurring                 | OLP 240132  | 1           |
| 21   | Fabrication of working station for moisture measurements   | Recurring                 | OLP 240132  | 1           |
| 22   | IR detector and optics components  | Recurring                 | OLP 240132  | 1 set       |
| 23   | Slow stepper displacement accessories for thermocouple   | Recurring                 | OLP 240132  | 1           |
| 24   | AMC of Primary Pressure Standard (NPL-H1)  | Recurring                 | OLP 240132  | 1           |
| 25   | Brother Toner Cartridge TN-2365  | Recurring                 | OLP 240132  | 3           |
| 26   | Canon Printer MF3010 Cartridge 925   | Recurring                 | OLP 240132  | 2           |
| 27   | Elbow 7000 bar   | Recurring                 | OLP 240132  | 2           |
| 28   | O-ring od CVV  | Recurring                 | OLP 240132  | 50          |
| 29   | Sebacate Oil   | Recurring                 | OLP 240132  | 5           |
| 30   | Nitrogen gas cylinders   | Recurring                 | OLP 240132  | 10          |
| 31   | AMC for Raman spectrometer   | Recurring                 | OLP 240132  | 1           |
| 32   | High pressure pneumatic valve  | Recurring                 | OLP 240132  | 2           |
| 33   | High pressure fittings, gland nuts, ferrule, T, elbow etc.   | Recurring                 | OLP 240132  | as per req. |
| 34   | UHV compatible valves, fittings, gaskets and tubings   | Recurring                 | OLP 240132  | as per req. |
| 35   | Vacuum Grease  | Recurring                 | OLP 240132  | as per req. |
| 36   | Torr Seal  | Recurring                 | OLP 240132  | as per req. |

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|    |   |               |            |                    |
|----|---|---------------|------------|--------------------|
| 37 | Electronic components   | Recurring     | OLP 240132 | as per req.        |
| 38 | Type-S Thermocouple   | Non-Recurring | OLP 240132 | 1                  |
| 39 | Electrical / Electronic consumable  | Recurring     | OLP 240132 | As Per Req.        |
| 40 | Laboratory Consumables (Test Lamps and Adaptors)  | Recurring     | OLP 240132 | As Per Req.        |
| 41 | Repair of Computer and necessary consumables  | Recurring     | OLP 240132 | As Per Req.        |
| 42 | NPG-59 Toner Black Cartridge for Canon Photo copier   | Recurring     | OLP 240132 | 2                  |
| 43 | Mechanical Component  | Recurring     | OLP 240132 | As Per Req.        |
| 44 | Electrical and Electronics Component  | Recurring     | OLP 240132 | As Per Req.        |
| 45 | Balance Cover for 2000 kg & 500 kg Balances   | Recurring     | OLP 240132 | 1                  |
| 46 | Repair of Zygo wokstation   | Recurring     | OLP 240132 | 1                  |
| 47 | Spare parts for GX2-p200 Compressor, Air Filter, contractor oil, overload relay etc. for CMM  | Recurring     | OLP 240132 | 1                  |
| 48 | Microphone, Preamplifier, Accelerometers  | Recurring     | OLP 240132 | 6                  |
| 49 | Syringe Pump  | Non-Recurring | OLP 240132 | 1                  |
| 50 | Small sine bar – 300 mm long  | Non-Recurring | OLP 240132 | 1                  |
| 51 | Retroreflector 150mm  | Non-Recurring | OLP 240132 | 1                  |
| 52 | Dehumidifier, Capacity: 30L /Day  | Non-Recurring | OLP 240132 | 1                  |
| 53 | Smart Vibration Monitoring Terminal   | Non-Recurring | OLP 240132 | 1                  |
| 54 | Precision weight balance  | Non-Recurring | OLP 240132 | 1                  |
| 55 | Hydraulic Trolley   | Non-Recurring | OLP 240132 | 1                  |
| 56 | Micrometer  | Non-Recurring | OLP 240132 | 1                  |
| 57 | Precision AC power Supply   | Non-Recurring | OLP 240132 | 1                  |
| 58 | Digital Portable Density Meter (Liquid Density Meter)   | Non-Recurring | OLP 240132 | 1                  |
| 59 | Repair of LMM and its work station  | Non-Recurring | OLP 240132 | 1                  |
| 60 | SMD Rework Station  | Non-Recurring | OLP 240132 | 1                  |
| 61 | Digital Multimeter  | Non-Recurring | OLP 240132 | 1                  |
| 62 | Precision DC Power Supply   | Non-Recurring | OLP 240132 | 1                  |
| 63 | Power Analyzer  | Non-Recurring | OLP 240132 | 1                  |
| 64 | Batteries for DC reference standard (6) and consumables   | Recurring     | OLP 240232 | 6                  |
| 65 | Pre-amplifier for 6430 Sub femto ampere meter( repair or replacement)   | Recurring     | OLP 240232 | 1                  |
| 66 | Cable for 150 A shunt calibration   | Recurring     | OLP 240232 | 2                  |
| 67 | Tool set for DC high voltage Metrology  | Recurring     | OLP 240232 | 1                  |
| 68 | Consumables (Coaxial cable, Triax, low noise cable, connectors, fixtures, adapters, micro positioners, RS-232 cable, GPIB –USB cable, extension boards, banana cable, banana to aligato clips etc.) | Recurring     | OLP 240232 | as per requirement |
| 69 | Annual Membership Renewal of DLMS UA in December 2024   | Recurring     | OLP 240232 | 1                  |

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|     |  |           |            |                    |
|-----|--|-----------|------------|--------------------|
| 70  | Annual licence renewal of CTT/DTT Test Tool version 4.3 r103                                       | Recurring | OLP 240232 | 1                  |
| 71  | Calibration of MSB 100 Power Energy Standard   | Recurring | OLP 240232 | 1                  |
| 72  | Shock-proof shoes  | Recurring | OLP 240232 | 3 pairs            |
| 73  | Spark Discharge Ignition Coil  | Recurring | OLP 240232 | 1                  |
| 74  | Gauges:IKR 251 penning gauge for main chamber with its display controller                          | Recurring | OLP 240232 | 1                  |
| 75  | Low Noise AirCompressor  | Recurring | OLP 240232 | 1                  |
| 76  | ETO Sample Puck for PPMS   | Recurring | OLP 240232 | 1                  |
| 77  | Vacuum accessories like KF & CF flanges, gaskets, O-rings, connectors, bellow pipes, adaptors etc. | Recurring | OLP 240232 | As per requirement |
| 78  | 2D materials crystals WTe2, MoTe2 and superconductor crystals BSCCO, YBCO etc as per requirement   | Recurring | OLP 240232 | As per requirement |
| 79  | Batteries for Zener DC reference standards (buy back)  | Recurring | OLP 240232 | as per requirement |
| 80  | Coaxial connectors (F)   | Recurring | OLP 240232 | As per requirement |
| 81  | Coaxial connectors (M)   | Recurring | OLP 240232 | as per requirement |
| 82  | General consumables (wires, ferrite cores, gold pins for contact)                                  | Recurring | OLP 240232 | As per requirement |
| 83  | Repair of Signal Generator   | Recurring | OLP 240232 | as per requirement |
| 84  | Fabrication of planar components   | Recurring | OLP 240232 | As per requirement |
| 85  | Mag Puls Pulse Power supply repair - 1 L   | Recurring | OLP 240232 | 1                  |
| 86  | UHV Sputtering parts (sample holder, guns) repair - 2 L  | Recurring | OLP 240232 | as per requirement |
| 87  | Penning gauge for sputtering   | Recurring | OLP 240232 | 1                  |
| 88  | A power tunable light source source 532 nm   | Recurring | OLP 240232 | 1                  |
| 89  | Agate mortar, Alumina boats, substrate and targets etc   | Recurring | OLP 240232 | as per requirement |
| 90  | Oxygen, Nitrogen gases   | Recurring | OLP 240232 | as per requirement |
| 91  | Repair of Furnace,MFC, Chamber accessories, etc  | Recurring | OLP 240232 | as per requirement |
| 92  | Cartridge refill   | Recurring | OLP 240232 | 10                 |
| 93  | D-Subconnectors,U- shaped copper spade plugs, Banana plugs   | Recurring | OLP 240232 | 2                  |
| 94  | Reference ( sample of metal, alloy and insulators) materials                                       | Recurring | OLP 240232 | as per requirement |
| 95  | Flexible Hose pipe   | Recurring | OLP 240232 | 1 pair             |
| 96  | Chemicals  | Recurring | OLP 240232 | as per requirement |
| 97  | Precision components (like lemo Cables 5 mtr, connectors and high precision resisitors etc.,)      | Recurring | OLP 240232 | as per requirement |
| 98  | perpetual license for 2 users  | Recurring | OLP 240232 | 1                  |
| 99  | 2" filament substrate heater with rotation and PID controller                                      | Recurring | OLP 240232 | 1                  |
| 100 | MFC for gas inlet - N2&Ar gases (0-200 SCCM)   | Recurring | OLP 240232 | 1                  |
| 101 | Indium wire, 0.5mm (0.02in) dia, 99.999% (metals basis): 2m  | Recurring | OLP 240232 | 1                  |

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|     |   |               |            |                      |
|-----|---|---------------|------------|----------------------|
| 102 | Cold cathode gauges   | Recurring     | OLP 240232 | 2                    |
| 103 | A set of Tweezers (10 types) and diamond scribers (02)  | Recurring     | OLP 240232 | 1                    |
| 104 | Illuminated Magnifier with optical high quality   | Recurring     | OLP 240232 | 1                    |
| 105 | Glass wares: Beakers, Petri dishes, glass slides etc.   | Recurring     | OLP 240232 | 5 pkt.for each item  |
| 106 | Nitrile gloves: sizes: small, medium and large  | Recurring     | OLP 240232 | 5 pkt. for each item |
| 107 | Plastic wares: PVC pipes, connectors, boxes etc.  | Recurring     | OLP 240232 | As per requirement   |
| 108 | FIB lab consumables   | Recurring     | OLP 240232 | As per requirement   |
| 109 | A power tunable light source 1550 nm  | Recurring     | OLP 240232 | 1                    |
| 110 | A power tunable light source source 532 nm  | Recurring     | OLP 240232 | 1                    |
| 111 | Softwares END note and Kickstart software   | Recurring     | OLP 240232 | 1 each               |
| 112 | Masks   | Recurring     | OLP 240232 | As per req           |
| 113 | Substrates/wafers, tweezers, diamond scribe, screw driver sets, tweezers, FESEM stubs/holder, torch lights. Lint free Tissue papers | Recurring     | OLP 240232 | As per requirement   |
| 114 | Pump Repair   | Recurring     | OLP 240232 | 1                    |
| 115 | Pucks   | Recurring     | OLP 240232 | As per requirements  |
| 116 | Gas cylinder regulators   | Recurring     | OLP 240232 | 2                    |
| 117 | Keyboards   | Recurring     | OLP 240232 | 2                    |
| 118 | Substrates, targets etc   | Recurring     | OLP 240232 | as per requirement   |
| 119 | Alumina and Quartz items  | Recurring     | OLP 240232 | as per requirement   |
| 120 | Programmable DC power supply  | Non-Recurring | OLP 240232 | 1                    |
| 121 | 10 kA AC high Current Source with accessories   | Non-Recurring | OLP 240232 | 1                    |
| 122 | Slodering station   | Non-Recurring | OLP 240232 | 1                    |
| 123 | Light source with different wavelengths   | Non-Recurring | OLP 240232 | 1                    |
| 124 | Mass flow controller  | Non-Recurring | OLP 240232 | 1                    |
| 125 | Fibre coupled Laser sources with 523 and 1064 nm wavelengths along with accessories   | Non-Recurring | OLP 240232 | 1                    |
| 126 | Pfeiffer DCU 400 Display controller including power supply  | Non-Recurring | OLP 240232 | 1                    |
| 127 | 2 mHz to 3 GHz Frequency Counter with 2 Channels  | Non-Recurring | OLP 240232 | 1                    |
| 128 | Multifunciton Printer   | Non-Recurring | OLP 240232 | 1                    |
| 129 | Turbo Molecular Pump  | Non-Recurring | OLP 240232 | 1                    |
| 130 | Soldering iron and multimeter   | Non-Recurring | OLP 240232 | 2                    |
| 131 | Scroll Pump   | Non-Recurring | OLP 240232 | 2                    |
| 132 | Temperature controller  | Non-Recurring | OLP 240232 | As per requirements  |
| 133 | PD Calibrator including accessories, Calibration from any NMI.  | Non-Recurring | OLP 240232 | 1                    |
| 134 | 2 channel, 16 bit ADC, resolution 10s   | Non-Recurring | OLP 240232 | 1                    |
| 135 | 5TR water chiller for DR  | Non-Recurring | OLP 240232 | 5                    |
| 136 | Noise free/Oil free Air Compressor  | Non-Recurring | OLP 240232 | 1                    |
| 137 | Lock-in-pre- amplifiers   | Non-Recurring | OLP 240232 | 3                    |
| 138 | Lock-in-Amplifier   | Non-Recurring | OLP 240232 | 10                   |

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|     |  |               |            |              |
|-----|--|---------------|------------|--------------|
| 139 | UV laser light source  | Non-Recurring | OLP 240232 | 1            |
| 140 | Monochromator  | Non-Recurring | OLP 240232 | 1            |
| 141 | Vacuum oven with gauges  | Non-Recurring | OLP 240232 | 1            |
| 142 | Refrigerator   | Non-Recurring | OLP 240232 | 1            |
| 143 | Turbo pump   | Non-Recurring | OLP 240232 | 1            |
| 144 | MFC controller   | Non-Recurring | OLP 240232 | 1            |
| 145 | Mass flow controller   | Non-Recurring | OLP 240232 | 1            |
| 146 | MFC  | Non-Recurring | OLP 240232 | 1            |
| 147 | pH meter   | Non-Recurring | OLP 240232 | 1            |
| 148 | Pure gases (CO <sub>2</sub> , N <sub>2</sub> , He, Air, H <sub>2</sub> etc)                      | Recurring     | OLP 240332 | As required  |
| 149 | Laser deionization cartridge   | Recurring     | OLP 240332 | 1            |
| 150 | Mass Flow Controller Accessories   | Recurring     | OLP 240332 | 2            |
| 151 | repair of physical vapour deposition   | Recurring     | OLP 240332 | one number   |
| 152 | Repair (Remote assessment and troubleshooting)<br>Phase I of GHG System                          | Recurring     | OLP 240332 | 1            |
| 153 | ELP+UV Lamp+Tungsten Halogen lamp assembly   | Recurring     | OLP 240332 | 1 set        |
| 154 | Scroll pump accessories and servicing  | Recurring     | OLP 240332 | 1            |
| 155 | Quartz Tube 46x 50x 1200 mm  | Recurring     | OLP 240332 | 5 Nos.       |
| 156 | Functionalized DNA Sequences   | Recurring     | OLP 240332 | 12 vials     |
| 157 | Amino functionalized Oligomers   | Recurring     | OLP 240332 | 10 vials     |
| 158 | 5-MS Column (60m)  | Recurring     | OLP 240332 | 1            |
| 159 | AMC of AETHALOMETER  | Recurring     | OLP 240332 | 1            |
| 160 | 30 KVA UPS System  | Recurring     | OLP 240332 | 2 set        |
| 161 | GC-MS  | Recurring     | OLP 240332 | 1            |
| 162 | SS Chamber with accessory ports  | Recurring     | OLP 240332 | 1            |
| 163 | Lab consumables (substrate, shadow mask, boats, gases, thermocouple etc.)                        | Recurring     | OLP 240332 | As required  |
| 164 | Vacuum accessories (Backing/Roughing valve, 2/3 way valves, push fit connectors, gas lines, etc) | Recurring     | OLP 240332 | As required  |
| 165 | Sputter Target/ High Purity Metals   | Recurring     | OLP 240332 | As required  |
| 166 | Repair of AWS  | Recurring     | OLP 240332 | 1            |
| 167 | Oxygen sensor  | Recurring     | OLP 240332 | 1            |
| 168 | Repair of Julabo   | Recurring     | OLP 240332 | one number   |
| 169 | AMC of UPS   | Recurring     | OLP 240332 | 1            |
| 170 | AMC of Two Agilent GCs   | Recurring     | OLP 240332 | 2            |
| 171 | Repair of internet connectivity (at palampur station)  | Recurring     | OLP 240332 | 1            |
| 172 | Cellulose Nitrate Filter paper (Pore size: 0.45 µm, 47 mm)                                       | Recurring     | OLP 240332 | 5 × (100 Pc) |
| 173 | Service & oil replacement of Diffusion pump  | Recurring     | OLP 240332 | as req.      |
| 174 | Service rotary pump  | Recurring     | OLP 240332 | 1            |
| 175 | weather station software licence to renew  | Recurring     | OLP 240332 | 1            |
| 176 | Oil for Vacuum Pump of instrument  | Recurring     | OLP 240332 | 1            |
| 177 | Repair of hot air Oven   | Recurring     | OLP 240332 | 1            |
| 178 | Repair of ultrasonicator + CVD furnace rotary pump   | Recurring     | OLP 240332 | as req.      |
| 179 | Cartridge for HP officejet Pro 8730  | Recurring     | OLP 240332 | 2            |
| 180 | Repair of freeze-dryer   | Recurring     | OLP 240332 | one number   |

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|-----|--|---------------|------------|--------------|
| 181 | Zero Air Cylinder  | Recurring     | OLP 240332 | 6            |
| 182 | Refrigerator Repair  | Recurring     | OLP 240332 | 2Nos.        |
| 183 | SSD for computer   | Recurring     | OLP 240332 | 2            |
| 184 | repair of chimney  | Recurring     | OLP 240332 | one number   |
| 185 | AFM tips   | Recurring     | OLP 240332 | 10 number    |
| 186 | Whatman filter paper grade 42 (Diameter 42.5 mm, Pore size: 2.5 µm)  | Recurring     | OLP 240332 | 5 × (100 Pc) |
| 187 | Metal Shadow mask  | Recurring     | OLP 240332 | as req.      |
| 188 | Flexible substrate   | Recurring     | OLP 240332 | as req.      |
| 189 | Computer repair  | Recurring     | OLP 240332 | 1            |
| 190 | Fabrication of Cylinder trolley  | Recurring     | OLP 240332 | 1            |
| 191 | Whatman grade 1 filter paper (Diameter 55 mm, Pore size: 11 µm)  | Recurring     | OLP 240332 | 5 × (100 Pc) |
| 192 | Impinger (35 mL)   | Recurring     | OLP 240332 | 20           |
| 193 | Repair & Service of High Pressure filling system   | Recurring     | OLP 240332 | 1            |
| 194 | Consumable for GC (spare parts, columns & fittings)  | Recurring     | OLP 240332 | 1            |
| 195 | Routine calibration of particle counter and its servicing (need to be sent to OEM)   | Recurring     | OLP 240332 | 1            |
| 196 | AMC FOR EA-IRMS (S/N: JD 500)  | Recurring     | OLP 240332 | 1            |
| 197 | Replacement Shutter Assembly for Excitation and Emission Monochromator   | Recurring     | OLP 240332 | 1            |
| 198 | repair of sputtering coating unit  | Recurring     | OLP 240332 | one number   |
| 199 | 3-electrode system for cv  | Recurring     | OLP 240332 | 1 set        |
| 200 | Extension of wind tunnel for testing of large size filters (e.g. HEPA filters)   | Recurring     | OLP 240332 | 1            |
| 201 | Excimer Laser Gas (KrF gas mixture cylinder 49 L and 6900 Lit. gas volume)   | Recurring     | OLP 240332 | 1            |
| 202 | Venturi nozzles, 3-way ball valves, conductive tubing, PM sensors, Arizona dust particles, PSL particles, weather station software | Recurring     | OLP 240332 | as req.      |
| 203 | Reagent Bottles (100 mL, Amber)  | Recurring     | OLP 240332 | 50           |
| 204 | Reagent Bottles (50 mL, Amber)   | Recurring     | OLP 240332 | 50           |
| 205 | Vials (2 mL, clear)  | Recurring     | OLP 240332 | 10 packets   |
| 206 | Vials (2 mL, amber)  | Recurring     | OLP 240332 | 10 packets   |
| 207 | Polarizing microscope  | Non-Recurring | OLP 240332 | 1            |
| 208 | CMOS Color Camera with Software  | Non-Recurring | OLP 240332 | 1            |
| 209 | Fabrication of Cylinder Lifting System   | Non-Recurring | OLP 240332 | 1            |
| 210 | Portable weather monitor for field and balloon observation   | Non-Recurring | OLP 240332 | 1            |
| 211 | Pump with mass flow controller   | Non-Recurring | OLP 240332 | 1            |
| 212 | PID programable temperature controller and 2" dia sputter source   | Non-Recurring | OLP 240332 | 1            |
| 213 | PM1 Sampler  | Non-Recurring | OLP 240332 | 2            |
| 214 | Centrifuge Machine   | Non-Recurring | OLP 240332 | 1            |
| 215 | Single beam Visible Spectrophotometer  | Non-Recurring | OLP 240332 | 1            |
| 216 | Ultrasonic sonicator   | Non-Recurring | OLP 240332 | 1            |
| 217 | Digital pH meter   | Non-Recurring | OLP 240332 | 1            |
| 218 | Laboratory Refrigerator  | Non-Recurring | OLP 240332 | 1            |

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|-----|--|---------------|------------|--------------------|
| 219 | Precise DC magnetron power supply of 600 W capacity  | Non-Recurring | OLP 240332 | 1                  |
| 220 | 3KVA online UPS with batteries   | Non-Recurring | OLP 240332 | 1                  |
| 221 | Ultrasonic Cleaner with timer & power controller   | Non-Recurring | OLP 240332 | 1                  |
| 222 | Desicator Cabinet  | Non-Recurring | OLP 240332 | 1                  |
| 223 | PM10 Sampler   | Non-Recurring | OLP 240332 | 2                  |
| 224 | Stainless Steel Syringe  | Non-Recurring | OLP 240332 | 1                  |
| 225 | Particle charge neutralizer  | Non-Recurring | OLP 240332 | 1                  |
| 226 | Anemometer   | Non-Recurring | OLP 240332 | 1                  |
| 227 | Infrasonic sensor with signal processing software and installation   | Non-Recurring | OLP 240332 | 1                  |
| 228 | Cabinet Desiccator   | Non-Recurring | OLP 240332 | 1                  |
| 229 | Fabrication of high pressure gas filling and evacuation system   | Non-Recurring | OLP 240332 | 1                  |
| 230 | Up gradation of PC of IRMS system with latest software and compatible card   | Non-Recurring | OLP 240332 | 1                  |
| 231 | ECG Simulator with software IEC 60601-2-25 Compliant   | Non-Recurring | OLP 240332 | 1                  |
| 232 | Drone for vertical profiles of aerosol   | Non-Recurring | OLP 240332 | 1                  |
| 233 | Tabletop SEM-EDS   | Non-Recurring | OLP 240332 | 1                  |
| 234 | Portable Optical Particle Sizer  | Non-Recurring | OLP 240332 | 1                  |
| 235 | PCBM   | Recurring     | OLP 240432 | as per requirement |
| 236 | Repair of source meter 2400  | Recurring     | OLP 240432 | 1 set              |
| 237 | Repair of thermal evaporation system including diffusion pump, chamber modification, installtion of thickness monitor etc. | Recurring     | OLP 240432 | 1 set              |
| 238 | Making of quart tube for sintering   | Recurring     | OLP 240432 | 2 sets             |
| 239 | FZ Silicon wafers  | Recurring     | OLP 240432 | 25 Nos             |
| 240 | Various chemicals such as Merk make HF, H2O2, Acetone, IPA(2-propanol), H2SO4, HNO3, Copper nitrate, etc.                  | Recurring     | OLP 240432 | as per requirement |
| 241 | Repair of Chiller, pumps and thermal Evaporator  | Recurring     | OLP 240432 | as per requirement |
| 242 | PL Repair PWR Supply 450 Xenon Fluorolog-3 spectrofluorometer  | Recurring     | OLP 240432 | 1                  |
| 243 | Sieve of 8 mesh for ultrafast  | Recurring     | OLP 240432 |                    |
| 244 | Repairing of Lyophilizers  | Recurring     | OLP 240432 | 2                  |
| 245 | Repiaring of centrifuges   | Recurring     | OLP 240432 | 2                  |
| 246 | Repairing of the extruder  | Recurring     | OLP 240432 | 1                  |
| 247 | Repairing of TGA system  | Recurring     | OLP 240432 | 1                  |
| 248 | Repairing of the powder coating machine  | Recurring     | OLP 240432 | 1                  |
| 249 | Repiaring of vacuum ovens  | Recurring     | OLP 240432 | 4                  |
| 250 | Repairing of hot air ovens   | Recurring     | OLP 240432 | 2                  |
| 251 | Repairing of hot plate magnetic stirres  | Recurring     | OLP 240432 | 6                  |
| 252 | 12 V, 42 AH Sealed Maintenance free Lead Acid  | Recurring     | OLP 240432 | 18                 |
| 253 | 99% purity Nitrogen gas for synthesis  | Recurring     | OLP 240432 | 10 cylinders       |

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

|     |   |           |            |                    |
|-----|---|-----------|------------|--------------------|
| 254 | Polydimethylsiloxane and its curing agent   | Recurring | OLP 240432 | 1 Kg               |
| 255 | 1H,1H,2H,2H-Perfluorooctyltriethoxysilane   | Recurring | OLP 240432 | 25 G x 1 No        |
| 256 | Dopamine hydrochloride  | Recurring | OLP 240432 | 25 G x 1 No        |
| 257 | ITO, FTO, anhydrous solvents, F4TCNQ, Drierite column, Metals, high purity powder chemicals like Pbl2, PFN-I etc, carbon black, graphite powder, PMMA, ethyl cellulose, etc | Recurring | OLP 240432 | As per requirement |
| 258 | Hot plates, Computers   | Recurring | OLP 240432 | As per requirement |
| 259 | ALD precursor   | Recurring | OLP 240432 | 1                  |
| 260 | servicing of UV-Vis-NIR spectrophotometer   | Recurring | OLP 240432 | 1                  |
| 261 | BET shifting and calibration  | Recurring | OLP 240432 | 1                  |
| 262 | Reparing of vacuum oven (Salvis Lab)  | Recurring | OLP 240432 | 1                  |
| 263 | Gloves of glove box (2 pair)  | Recurring | OLP 240432 | 2 PAIR             |
| 264 | Chemicals and consumables   | Recurring | OLP 240432 | As per requirement |
| 265 | Testing of samples  | Recurring | OLP 240432 | As per requirement |
| 266 | Hydrogen Gas  | Recurring | OLP 240432 | As per requirement |
| 267 | PT COUNTER ELECTRODES   | Recurring | OLP 240432 | 2                  |
| 268 | Ag/AgBr REFERENCE ELECTRODE   | Recurring | OLP 240432 | 1                  |
| 269 | Mercury/Mercurous Sulfate Reference Electrode   | Recurring | OLP 240432 | 1                  |
| 270 | Ag/AgCl REFERENCE ELECTRODE   | Recurring | OLP 240432 | 2                  |
| 271 | repair of electrochemical workstation cables  | Recurring | OLP 240432 | 2                  |
| 272 | ethyl-methylpyrrolidinium bromide   | Recurring | OLP 240432 | 50 gm              |
| 273 | ethyl-methylmorpholinium bromide  | Recurring | OLP 240432 | 50gm               |
| 274 | POTASSIUM BROMIDE   | Recurring | OLP 240432 | 500 GM             |
| 275 | ETHYLENE DIAMINE  | Recurring | OLP 240432 | 500 ML             |
| 276 | HEXAFLUOROPHOSPHATE AZABENZOTRIAZOLE  | Recurring | OLP 240432 | 25 GM              |
| 277 | REPAIR OF FURNACE   | Recurring | OLP 240432 | 1                  |
| 278 | Silicon Lump (99.999% purity)   | Recurring | OLP 240432 | 100g               |
| 279 | Titanium granules (99.99% purity)   | Recurring | OLP 240432 | 250g               |
| 280 | Germanium Pieces (99.999% purity)   | Recurring | OLP 240432 | 10g                |
| 281 | Nickel powder (99.8% purity)  | Recurring | OLP 240432 | 500g               |
| 282 | Silicon poder (99.999% purity)  | Recurring | OLP 240432 | 150g               |
| 283 | 13783 Vanadium foil, 0.127mm (0.005in) thick, 99.8% (metals basis)  | Recurring | OLP 240432 | 25 x 100 x0.025    |
| 284 | 12234 Vanadium powder, -325 mesh, 99.5% (metals basis)  | Recurring | OLP 240432 | 25 x 100 x0.025    |
| 285 | 3D Printer Consumables and accessories Resins, Filaments, FEP Films and Glues etc   | Recurring | OLP 240432 | As per requirement |
| 286 | Pellet Extruder Spare parts and consumables   | Recurring | OLP 240432 | As per requirement |
| 287 | Consumables for Micro dispenser   | Recurring | OLP 240432 | As per requirement |
| 288 | Hydraulic Hot press repair  | Recurring | OLP 240432 | NA                 |
| 289 | Methane Gas   | Recurring | OLP 240432 | 2                  |
| 290 | Hydrogen Gas  | Recurring | OLP 240432 | 5                  |
| 291 | Acetylene Gas   | Recurring | OLP 240432 | 2                  |
| 292 | Thermocouple  | Recurring | OLP 240432 | 2                  |

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|     |   |               |            |                    |
|-----|---|---------------|------------|--------------------|
| 293 | Silver Paste  | Recurring     | OLP 240432 | as per requirement |
| 294 | Metallic target   | Recurring     | OLP 240432 | as per requirement |
| 295 | Cesium iodide   | Recurring     | OLP 240432 | as per requirement |
| 296 | Ethyl acetate   | Recurring     | OLP 240432 | as per requirement |
| 297 | Potassium ferricyanide  | Recurring     | OLP 240432 | as per requirement |
| 298 | Sodium iodide   | Recurring     | OLP 240432 | as per requirement |
| 299 | CsI cesium iodide   | Recurring     | OLP 240432 | as per requirement |
| 300 | Spares for split furnace  | Recurring     | OLP 240432 | as per requirement |
| 301 | Substrates  | Recurring     | OLP 240432 | as per requirement |
| 302 | Exhaust fan   | Recurring     | OLP 240432 | as per requirement |
| 303 | nanodia   | Recurring     | OLP 240432 | as per requirement |
| 304 | 1 tB SSD  | Recurring     | OLP 240432 | 2                  |
| 305 | WIFI Router   | Recurring     | OLP 240432 | 1                  |
| 306 | Repair of MinPEM  | Recurring     | OLP 240432 | 1                  |
| 307 | Repair of Servo Voltage Stabilizer  | Recurring     | OLP 240432 | 1                  |
| 308 | Repair of Chiller unit  | Recurring     | OLP 240432 | 1                  |
| 309 | ZrCl <sub>4</sub>   | Recurring     | OLP 240432 | 250 gm             |
| 310 | Single Junction Mercury Oxide (Hg/HgO) Reference electrode                | Recurring     | OLP 240432 | 1                  |
| 311 | Working Electrode Holder Clip (Pdt. Code: KWEH02B)                        | Recurring     | OLP 240432 | 2                  |
| 312 | H-Cell (with membrane holder) (Pdt. Code: KEC14)                          | Recurring     | OLP 240432 | 1                  |
| 313 | Multimeter, Flux meter, Tool box etc.                                     | Recurring     | OLP 240432 | varied             |
| 314 | Nitrogen, Argon and Oxygen  | Recurring     | OLP 240432 | 10, 07, 03         |
| 315 | Graphite material(High purity)  | Recurring     | OLP 240432 | Misc               |
| 316 | Accessories for Atmospheric plasma set-up                                 | Recurring     | OLP 240432 | varied             |
| 317 | Electrodes for hot knife machine  | Recurring     | OLP 240432 | 4                  |
| 318 | Job work for making the metalized stage for hot knife machine             | Recurring     | OLP 240432 | 1                  |
| 319 | Ruter, LAN switch, key board, mouse etc.                                  | Recurring     | OLP 240432 | 01 each            |
| 320 | Repair of /nanoindentation instrument                                     | Recurring     | OLP 240432 | 1                  |
| 321 | Repair of Keithley 4200 SCS instrument                                    | Recurring     | OLP 240432 | 1                  |
| 322 | Keithley (2420 and 6514) systems that need to be interfaced with a new PC | Recurring     | OLP 240432 | as per requirement |
| 323 | Repairing of Glove Boxes  | Recurring     | OLP 240432 | 1                  |
| 324 | Chemicals and consumables   | Recurring     | OLP 240432 | as per requirement |
| 325 | Climate chamber for controlled temperature and humidity                   | Non-Recurring | OLP 240432 | 1                  |
| 326 | Repair of Optical table legs  | Non-Recurring | OLP 240432 | 1                  |
| 327 | DC motors of chillers of  | Non-Recurring | OLP 240432 | 2                  |
| 328 | O <sub>2</sub> and H <sub>2</sub> O analyser of Glove box                 | Non-Recurring | OLP 240432 | 1                  |
| 329 | High temperature Oven   | Non-Recurring | OLP 240432 | 1                  |
| 330 | Palletiser and hydraulic press  | Non-Recurring | OLP 240432 | 1                  |
| 331 | Ultrasonic Bath   | Non-Recurring | OLP 240432 | 1                  |
| 332 | High Resolution Multimeter  | Non-Recurring | OLP 240432 | 1                  |

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

|     |  |               |            |                      |
|-----|--|---------------|------------|----------------------|
| 333 | OVERHEAD MECHANICAL STIRRER  | Non-Recurring | OLP 240432 | 1                    |
| 334 | 3D Scanner for 3D Printer  | Non-Recurring | OLP 240432 | 1                    |
| 335 | Micro Dispenser controller DSD 55  | Non-Recurring | OLP 240432 | 2                    |
| 336 | Refrigerator Samsung RT28C3733B1   | Non-Recurring | OLP 240432 | 1                    |
| 337 | 3D Filament dry Storage cabinet - 160 Ltr  | Non-Recurring | OLP 240432 | 1                    |
| 338 | High volt DC power Supply for Electrostatic Seperator  | Non-Recurring | OLP 240432 | 1                    |
| 339 | EPR consumables  | Recurring     | OLP 240532 | 7                    |
| 340 | Instrument repair and services   | Recurring     | OLP 240532 | 1                    |
| 341 | chemicals  | Recurring     | OLP 240532 | 11                   |
| 342 | Exchange unit memory metrosep A supp5-250/4.0 metrosep A Supp 4/5 Guarad/4.0   | Recurring     | OLP 240532 | 11 items             |
| 343 | Rectangular tray alumina   | Recurring     | OLP 240532 | 2                    |
| 344 | Round magnetic stirring bar with pivot ring (8 x 22 mm)  | Recurring     | OLP 240532 | As per requirement   |
| 345 | Calibration standard for EDS   | Recurring     | OLP 240532 | one                  |
| 346 | Peiffer P3 Vacuum pump oil   | Recurring     | OLP 240532 | Two                  |
| 347 | repair of Sputter coater   | Recurring     | OLP 240532 | 1                    |
| 348 | repair of Thermal evaporation  | Recurring     | OLP 240532 | 2                    |
| 349 | repair of sputtering system  | Recurring     | OLP 240532 | 1                    |
| 350 | repair of Centrifuge, Hydraulic press  | Recurring     | OLP 240532 | 2                    |
| 351 | Minor repair of the instrument (Chiller, UPS, Compressor, Power Supply, Hot plate, Electromagnet, Furnace, Oven, Centrifuge, Spin coater etc.)             | Recurring     | OLP 240532 | as per requirement   |
| 352 | vacuum dessicator, tweezers, kepton tape, molybdenum and tungsten boats, substrates ( quartz, sapphire, ITO coated glass, FTO coated glass); glass cutter, | Recurring     | OLP 240532 | consumables          |
| 353 | files of ISO documents   | Recurring     | OLP 240532 | 15 files             |
| 354 | fractionating columns and other glass ware like conical flask with stoppers, round bottom flask, flat bottom flask, beakers etc                            | Recurring     | OLP 240532 |                      |
| 355 | Nitric Acid (ACS ), Hydrochloric Acid (ACS), Dimethyl Formamide (DMF)  | Recurring     | OLP 240532 | 2.5 liter each       |
| 356 | silver, ZnO, platinum, TiO2,   | Recurring     | OLP 240532 | As per requirement   |
| 357 | Gold grating sample standard (from TED PELLA) for calibration of TEM instrument  | Recurring     | OLP 240532 | One                  |
| 358 | Nitrogen cylinder  | Recurring     | OLP 240532 | As per requirement   |
| 359 | Argon cylinder   | Recurring     | OLP 240532 | As per requirement   |
| 360 | P 10 cylinder  | Recurring     | OLP 240532 | 2                    |
| 361 | Nitrogen and Argon gas   | Recurring     | OLP 240532 | As per requirement   |
| 362 | Nitrogen and Oxygen gas with cylinder  | Recurring     | OLP 240532 | 2                    |
| 363 | Argon and nitrogen cylineder and refilling   | Recurring     | OLP 240532 | each 1 and refilings |

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

|     |  |           |            |                        |
|-----|--|-----------|------------|------------------------|
| 364 | Vacuum Filtration Flask (1 Liter), Buchener funnel (02), rubber cork perforated, Magnetic stirrer (02), Autoclave (250 mL), Vacuum oven (Digital), Mortar and pestle (02, small and big)   | Recurring | OLP 240532 | 10                     |
| 365 | Hydroxy propyl methyl cellulose (100 gm), Chondroitin sulphate (5 gm), Glutyaldehyde (500 mL), Hydrogen Peroxide 30%, HPLC Solvent, Buffer Solution, Glaycidyl Methacrylate, Starch, Cellulose Acetate, Chitosan Etc.  | Recurring | OLP 240532 | 20                     |
| 366 | Ni and Ti Powder   | Recurring | OLP 240532 | as per requirement     |
| 367 | Standards, CRMs  | Recurring | OLP 240532 | As & when required     |
| 368 | gases,impurity free acid and chemicals etc   | Recurring | OLP 240532 |                        |
| 369 | Plasticwares, Glasswares, Gases, Furnitures, Lab Accessories, Torch for ICP, Capillaries, Chemicals, high purity (ultra/supra pure) acids etc.   | Recurring | OLP 240532 | As & when required     |
| 370 | Repair of Microwave digestor, UPS, Refrigerator and other items etc.   | Recurring | OLP 240532 |                        |
| 371 | Electrical wire, sockets etc., Cartridge refilling,Consumables like electronics components, wires, arduino, stepper motors, stepper drive, solder wire, amyl acetate, silver paste, steel balls, fabrication , of disc shaped structures using plastic like materials, etc. Required | Recurring | OLP 240532 | As & when required     |
| 372 | Gas cleaning system UV-Plus for ICP-OES cartridge, including installation charge   | Recurring | OLP 240532 |                        |
| 373 | Milli-Q water system, Maintenance Kit, Catriges for purification system  | Recurring | OLP 240532 |                        |
| 374 | Atomic Absorption Spectroscopy (AAS)   | Recurring | OLP 240532 | 1                      |
| 375 | Multielement IC Standard, Selenium standard, Mercury Standard, Arsenic Standard, Lithium Standard  | Recurring | OLP 240532 | 1                      |
| 376 | Tri-n-buty Phosphate(TBP), n-Dodecane(n-DD), Ionic liquids etc., Graphite rod, Molybdenum rod, tungsten rod, Nickel ord, stainless steel plate etc.  | Recurring | OLP 240532 | 1                      |
| 377 | Gasses : Oxygen (2), Acetylene (5), Argon (5Nos.)  | Recurring | OLP 240532 | 12                     |
| 378 | Syringe filter, sample container, spatula, storage vials, centrifuge tube, micropipette, pipette aid, burette stand, steel tray, Parafilm  | Recurring | OLP 240532 | as per the requirement |
| 379 | High purity chemicals, Solvents  | Recurring | OLP 240532 | As per requirement     |
| 380 | Repair of lab equipments, computer, printer etc.   | Recurring | OLP 240532 | As per requirement     |

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

|     |   |               |            |                    |
|-----|---|---------------|------------|--------------------|
| 381 | Instrument consumables: silver paste, Pt and gold wires, tweezers, neoprene sheet, , SS screws, ball bearing, Cu- able for high current, Teflon sleeves, wire sleeves, Teflon rod/pipe/block, hylam sheet, superconducting wire, , SS-sheet, SS pipe/tube, stopper wheels, chain pulley system, chain, lifting cables, Cu rod, brass rod, connectors, valves, high pressure valves (1-way,2-way,3-way) water pipe,quartz items, hair blower, flexible ballow,glass protector, brass metal part of arc furnace, metal wire based water cooled hose, vacuum fittings (Al cast swing clamps, SS swing clamps, , blank SS-flanges, steel ballow flexible hose, SS- conical reducer, KF/CF reducers, SS hose adaptor, KF-CF adapters, SS tube fitting adapters etc.) Sputtering targets, substrates, consumables related to sputtering, sputtering heater, O-rings, vacuum grease, Cu gaskets, pushfit , centering ring, tool kit, soldering station temperature controlled, diamond wheel cutter, gas tubes, SSD, BNC Connectors, | Recurring     | OLP 240532 | As per requirement |
| 382 | AFM Tips, Ag/AgCl electrode, Pt Electrodes protector sheets, ring binder files, nitrile gloves, tissue paper, kimwipes wiping cloth/paper, polishing paper,   | Recurring     | OLP 240532 | As per requirement |
| 383 | HPLC  | Recurring     | OLP 240532 | 1Year              |
| 384 | AMC FTIR  | Recurring     | OLP 240532 | 1                  |
| 385 | High purity Gasses: Ar, N2, He, H2:Ar mixture, O2   | Recurring     | OLP 240532 | As per requirement |
| 386 | AMC of XRF  | Recurring     | OLP 240532 | 1 year             |
| 387 | AMC of FESEM  | Recurring     | OLP 240532 | 1 year             |
| 388 | AMC of EDS  | Recurring     | OLP 240532 | 1 year             |
| 389 | AMC (XRD)   | Recurring     | OLP 240532 | as per requirement |
| 390 | AMC (Rheometer)   | Recurring     | OLP 240532 | as per requirement |
| 391 | AMC (SEM)   | Recurring     | OLP 240532 | 1 Year             |
| 392 | AMC of HRTEM  | Recurring     | OLP 240532 | 1 Year             |
| 393 | Ion Chromatography system   | Recurring     | OLP 240532 | 1 year             |
| 394 | Hot Air Oven(12'x12'x12')   | Non-Recurring | OLP 240532 | 1                  |
| 395 | Infrared Thermometer  | Non-Recurring | OLP 240532 | 1                  |
| 396 | refurbished dry vacuum pump   | Non-Recurring | OLP 240532 | 1                  |
| 397 | Stability and Homgenity Chambers, Oven  | Non-Recurring | OLP 240532 | one each           |
| 398 | Vacuum pump/Suction pump  | Non-Recurring | OLP 240532 | 02 nos             |
| 399 | Bench Top laboratory Fume hoods   | Non-Recurring | OLP 240532 | 02 nos             |

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|     |   |               |            |                    |
|-----|---|---------------|------------|--------------------|
| 400 | Auto titrator with wide range of pH,mV and high resolution of pH  | Non-Recurring | OLP 240532 | 01 no              |
| 401 | Ultrasonic cleaner bath   | Non-Recurring | OLP 240532 | 1                  |
| 402 | Gold smith furnace. DSO   | Non-Recurring | OLP 240532 | 1                  |
| 403 | Double distillation apparatus   | Non-Recurring | OLP 240532 | 1                  |
| 404 | Items for instrument development (power supply, vacuum pump, Fiber coupled laser source (2 nos) with different wavelengths with accessories | Non-Recurring | OLP 240532 | 1 each             |
| 405 | Box Furnace   | Non-Recurring | OLP 240532 | 1                  |
| 406 | Air compressor  | Non-Recurring | OLP 240532 | 1                  |
| 407 | Rotary Pump   | Non-Recurring | OLP 240532 | 1                  |
| 408 | Optical fiber tip cleaner, connector cleaner, fiberscope etc.   | Recurring     | OLP 240632 | miscellaneous      |
| 409 | Photodiode laser power sensor   | Recurring     | OLP 240632 | two                |
| 410 | Components,Ics, Cables and Connectors   | Recurring     | OLP 240632 | Misc               |
| 411 | PCB printing for designed circuit boards  | Recurring     | OLP 240632 | Misc               |
| 412 | Electronic and mechanical tools   | Recurring     | OLP 240632 | miscellaneous      |
| 413 | Rooftop Display AMC   | Recurring     | OLP 240632 | 1                  |
| 414 | Optical and Electrical components   | Recurring     | OLP 240632 | 15                 |
| 415 | Repair of Printer, UPS, computer and other minor equipments   | Recurring     | OLP 240632 | 4                  |
| 416 | Microcontrollers/SBCs, Components, Electronic boards, Receiver modules, Cables and Connectors   | Recurring     | OLP 240632 | Misc               |
| 417 | Optics, Optomechanics, electronics  | Recurring     | OLP 240632 | as per requirement |
| 418 | Battery   | Recurring     | OLP 240632 | 12                 |
| 419 | SMA male to BNC female, RG 45 Connector, USB to Serial cable, coaxial cable etc.  | Recurring     | OLP 240632 | miscellaneous      |
| 420 | cabled ties, dust filters, tools etc.   | Recurring     | OLP 240632 | miscellaneous      |
| 421 | Repeaters   | Recurring     | OLP 240632 | 5                  |
| 422 | Passive Hydrogen Maser (PHM)/   | Recurring     | OLP 240632 | 1                  |
| 423 | GNSS Receiver (GTR51)   | Recurring     | OLP 240632 | 1                  |
| 424 | NUC   | Recurring     | OLP 240632 | 1                  |
| 425 | OLD PC Repair   | Recurring     | OLP 240632 | 1                  |
| 426 | Spares of RF Millivoltmeter   | Recurring     | OLP 240632 | 1                  |
| 427 | 6V 4.5AH Batteries for 792A power pack  | Recurring     | OLP 240632 | 4                  |
| 428 | N-type to Banana Adapter  | Recurring     | OLP 240632 | 1                  |
| 429 | Gold Pins   | Recurring     | OLP 240632 | 10                 |
| 430 | UHF to N-Type cable 36 inch flexible  | Recurring     | OLP 240632 | 1                  |
| 431 | High current 6mm banana connector + LC (male-male) Adaptor  | Recurring     | OLP 240632 | 1                  |
| 432 | N-type to Banana Adapter  | Recurring     | OLP 240632 | 1                  |
| 433 | 1 metre coaxial cable   | Recurring     | OLP 240632 | 5                  |
| 434 | BNC termination 50ohm   | Recurring     | OLP 240632 | 2                  |
| 435 | 2.4M to 2.4F cables (upto 50GHz) 1 meter length   | Recurring     | OLP 240632 | 2                  |
| 436 | SMA (M to M) 3 meter cables (upto 26GHz)  | Recurring     | OLP 240632 | 2                  |

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|     |  |               |            |              |
|-----|--|---------------|------------|--------------|
| 437 | N type (M to M) 3 meter high power Cables (upto 8GHz)    | Recurring     | OLP 240632 | 2            |
| 438 | 2.92 mm (F) surface mount                                | Recurring     | OLP 240632 | 2            |
| 439 | 2.4mm (F) surface mount                                  | Recurring     | OLP 240632 | 2            |
| 440 | 1.8 mm (F) surface mount                                 | Recurring     | OLP 240632 | 2            |
| 441 | Gain/ Phase detector IC (LF-2.7GHz)                      | Recurring     | OLP 240632 | 2            |
| 442 | Detector evaluation board                                | Recurring     | OLP 240632 | 1            |
| 443 | 8 channel RF switch(upto 8GHz)                           | Recurring     | OLP 240632 | 1            |
| 444 | TEC Driver and TEC Evaluation Board                      | Recurring     | OLP 240632 | 1            |
| 445 | Quarter waveplate  | Recurring     | OLP 240632 | 1            |
| 446 | Half wave plate  | Recurring     | OLP 240632 | 1            |
| 447 | ND Fileters  | Recurring     | OLP 240632 | 1            |
| 448 | PDH  | Recurring     | OLP 240632 | 1            |
| 449 | Repair/upgradation of NMR Tesla meter                    | Recurring     | OLP 240632 | 1            |
| 450 | Repair/upgradation of Epstein frame set up               | Recurring     | OLP 240632 | 1            |
| 451 | double jacket flask and miscellaneous                    | Recurring     | OLP 240632 | 1            |
| 452 | Ups  | Recurring     | OLP 240632 | 1            |
| 453 | Yb discharge hollow cathode Lamp                         | Recurring     | OLP 240632 | 1            |
| 454 | Optics, opto-mechanics                                   | Recurring     | OLP 240632 | 1            |
| 455 | Repair of current sources, power supplies                | Recurring     | OLP 240632 | misc         |
| 456 | Precision high voltage DC Power supply                   | Non-Recurring | OLP 240632 | 1            |
| 457 | UPS with Battery   | Non-Recurring | OLP 240632 | 2            |
| 458 | standalone power backup                                  | Non-Recurring | OLP 240632 | 1            |
| 459 | UPS 5KVA with isolation transformer                      | Non-Recurring | OLP 240632 | 1            |
| 460 | Attenuator in 2.4 mm (3 dB, 10 dB)                       | Non-Recurring | OLP 240632 | 1 each       |
| 461 | Attenuator in N-type (3 dB, 10 dB, 30 dB)                | Non-Recurring | OLP 240632 | 1 each       |
| 462 | Function Generator (Low Frequency)                       | Non-Recurring | OLP 240632 | 1            |
| 463 | RF Millivoltmeter with required TVCs at nominal voltages | Non-Recurring | OLP 240632 | 1            |
| 464 | Shielding Door   | Non-Recurring | OLP 240632 | 1            |
| 465 | Antenna Positioner                                       | Non-Recurring | OLP 240632 | 1            |
| 466 | DC Current source meter                                  | Non-Recurring | OLP 240632 | 1            |
| 467 | Solid Carbide End Mill Cutter 2mm                        | Recurring     | STS004     | 10 Nos.      |
| 468 | Solid Carbide End Mill Cutter 3mm                        | Recurring     | STS004     | 10 Nos.      |
| 469 | Solid Carbide End Mill Cutter 4mm                        | Recurring     | STS004     | 10 Nos.      |
| 470 | Solid Carbide End Mill Cutter 5mm                        | Recurring     | STS004     | 10 Nos.      |
| 471 | Drill Set (19 Pcs, Size Range 1 to 10 mm)                | Recurring     | STS004     | 03 Nos.      |
| 472 | HSS Power Hacksaw Blade 18"x1.5"x0.062"                  | Recurring     | STS004     | 10 Nos.      |
| 473 | HSS Power Hacksaw Blade 14"x1"x0.050"                    | Recurring     | STS004     | 10 Nos.      |
| 474 | Brush 4" (Machine Cleaning)                              | Recurring     | STS004     | 10 Nos.      |
| 475 | Brush 5" (Machine Cleaning)                              | Recurring     | STS004     | 10 Nos.      |
| 476 | Round Brush 1.5" (Machine Cleaning)                      | Recurring     | STS004     | 05 Nos.      |
| 477 | 3" Vice for Drilling                                     | Recurring     | STS004     | 01 No.       |
| 478 | Screw Driver Set   | Recurring     | STS004     | 02 Nos.      |
| 479 | Hmmer Drill 5mm and 6mm                                  | Recurring     | STS004     | 02 Nos. Each |
| 480 | Allen Key Set  | Recurring     | STS004     | 02 Nos.      |

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

|     |  |               |        |              |
|-----|--|---------------|--------|--------------|
| 481 | Try Square Megnet (Welding)                    | Recurring     | STS004 | 02 Nos.      |
| 482 | Try Square 2", 3", 4" and 6" Set               | Recurring     | STS004 | 02 Nos.      |
| 483 | Safety Goggles and Hand Gloves (Welding)       | Recurring     | STS004 | 03 Nos. Each |
| 484 | Tap Set 2mm, 3mm, 4mm, 5mm and 6mm             | Recurring     | STS004 | 03 Nos. Each |
| 485 | 4" & 5" Metal Cut-off Wheel Set                | Recurring     | STS004 | 10 Nos. Each |
| 486 | Aluminium Sheet 2.5m x 1.25m x 16 Gauge        | Recurring     | STS004 | 01 No.       |
| 487 | Aluminium Sheet 2.5m x 1.25m x 18 Gauge        | Recurring     | STS004 | 01 No.       |
| 488 | Aluminium Sheet 2.5m x 1.25m x 20 Gauge        | Recurring     | STS004 | 01 No.       |
| 489 | Aluminium Sheet 2.5m x 1.25m x 2.5mm           | Recurring     | STS004 | 01 No.       |
| 490 | Aluminium Sheet 2.5m x 1.25m x 3 mm            | Recurring     | STS004 | 01 No.       |
| 491 | Copper Sheet 48" x 15"x 1mm                    | Recurring     | STS004 | 01 No.       |
| 492 | Copper Sheet 48" x 15"x 1.5mm                  | Recurring     | STS004 | 01 No.       |
| 493 | Copper Sheet 48" x 15"x 2mm                    | Recurring     | STS004 | 01 No.       |
| 494 | Copper Sheet 48" x 15"x 2.5mm                  | Recurring     | STS004 | 01 No.       |
| 495 | Copper Sheet 48" x 15"x 3mm                    | Recurring     | STS004 | 01 No.       |
| 496 | Stainless Steel Sheet 2.5m x 1.25m x 1 mm      | Recurring     | STS004 | 01 No.       |
| 497 | Oxyen Gas Cyinder (Refilling)                  | Recurring     | STS004 | 10 Nos.      |
| 498 | LPG Gas Cylinder (Refilling)                   | Recurring     | STS004 | 10 Nos.      |
| 499 | Acetylene Gas Cylinder (Refilling)             | Recurring     | STS004 | 02 Nos.      |
| 500 | Argon Gas Cylinder (Refilling)                 | Recurring     | STS004 | 02 Nos.      |
| 501 | Nitrogen Gas Cylinder (Refilling)              | Recurring     | STS004 | 02 Nos.      |
| 502 | Cartridge TN 2365 for Brother Printer          | Recurring     | STS004 | 02 Nos.      |
| 503 | Cartridge TN B021 for Brother Printer          | Recurring     | STS004 | 02 Nos.      |
| 504 | SS Welding Rod 2.5mm, 3.15mm                   | Recurring     | STS004 | 5 Pkt Each   |
| 505 | Auto Cad Software                              | Recurring     | STS004 | 01 No.       |
| 506 | 5" Metal Grainding Wheel Set                   | Recurring     | STS004 | 10 Nos.      |
| 507 | Repair of Hydraulic Power Hexa                 | Recurring     | STS004 | 01 No.       |
| 508 | Repair of Bench Grainder                       | Recurring     | STS004 | 01 No.       |
| 509 | Repair of Duel Cutting Machine                 | Recurring     | STS004 | 01 No.       |
| 510 | Different Size Bolts, Nut, Screws etc.         | Recurring     | STS004 | As Per Req.  |
| 511 | MS Welding Rod 2.5mm, 3.15mm                   | Recurring     | STS004 | 5 Pkt Each   |
| 512 | Repair of Vaccum Pump of Glass Technology Unit | Recurring     | STS004 | 01 No.       |
| 513 | 4" Vice for Drilling                           | Recurring     | STS004 | 01 No.       |
| 514 | AMC Charges for Deckel FP4A Machine            | Recurring     | STS004 | 01 No.       |
| 515 | Air Compressor for Cleaning the Machine        | Non-Recurring | STS004 | 01 No.       |
| 516 | Stationary item and other misc. Item           | Recuuring     | STS001 | As Per Req.  |
| 517 | Heat convector-2000w reputed brand             | Non-Recurring | STS001 | 1            |
| 518 | Portable wired Hard disk-1TB                   | Recurring     | STS001 | 1            |
| 519 | Oil Purifier Room Heater                       | Non-Recurring | STS002 | 2            |
| 520 | Printer  | Non-Recurring | STS001 | 1            |
| 521 | Executive Chair                                | Non-Recurring | STS001 | 1            |
| 522 | Visitor Chair                                  | Non-Recurring | STS001 | 10           |
| 523 | Brush Cutter                                   | Non-Recurring | STS013 | 3            |
| 524 | Walk behind Lawn Mower                         | Non-Recurring | STS013 | 2            |
| 525 | Leaf Mulcher / Leaf Shredder                   | Non-Recurring | STS013 | 2            |

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

|     |  |               |            |  |
|-----|--|---------------|------------|--|
| 526 | Pole Pruner  | Non-Recurring | STS013     | 2  |
| 527 | Leaf Blower  | Non-Recurring | STS013     | 2  |
| 528 | Water Pump   | Non-Recurring | STS013     | 1  |
| 529 | Lawn mover diesel operated 20" with 5HP grives engine  | Non-Recurring | STS013     | 2  |
| 530 | Fogging machine  | Non-Recurring | STS013     | 1  |
| 531 | Heavy duty garbage collect tricycle rikshaw (with metal body)  | Non-Recurring | STS013     | 3  |
| 532 | Heavy duty floor cleaning machine (cingo) with extra brush wheel pad   | Non-Recurring | STS013     | 2  |
| 533 | Heavy duty industrial vaccum cleaner   | Non-Recurring | STS013     | 2  |
| 534 | Window & split AC 5 star   | Non-Recurring | STS013     | 100  |
| 535 | Meger 5000 Volt  | Non-Recurring | STS013     | 1  |
| 536 | Sumersiblepump 5HP   | Non-Recurring | STS013     | 2  |
| 537 | Ceiling fan BLDC 5 star  | Non-Recurring | STS013     | 50   |
| 538 | Helium gas SN grade  | Recurring     | OLP 240832 | 1100m3   |
| 539 | Spare part for air compressor of LHe Plants<br>1.Thermal Sensor 2. PD 9 /DIO Filter  | Recurring     | OLP 240832 | One One  |
| 540 | Safety Valves Testing of 6000 Ltrs LN2 tank under gas rule 18  | Recurring     | OLP 240832 | Two valves   |
| 541 | AMC for LN2 plant  | Recurring     | OLP 240832 | One  |
| 542 | Spare part of Cryogenics Adsorber of Liquid helium plant<br>1. Inner vessel gasket Part to : 351601 0<br>2. Charcoal (Activated carbon) . Part No 3544022 P3<br>3. Charcoal F i ll Plug ,Part to : 35161 19<br>4.O-Ring (Areoequip) 2-0 I7, Part to : 0580305<br>5.Safety seal (Rubber) , Part N o: 3516013<br>6.Thermoplastic hoses OD : 6mm (Eaton 1300 series)<br>7.Thermoplastic hoses OD : 10mm (Eaton 1300 series) | Recurring     | OLP 240832 | One<br>3Kg<br>One<br>Two<br>One<br>30mtr.<br>30 mtr.                           |
| 543 | Spare part for recovery helium compressor<br>1. O-ring Part to N262I<br>2. Piston ring set , Part to: N1460<br>3. O- ring, Part No: N3731<br>4. Piston ring set , Part No: N 1461<br>5. Valve piston, Pad No: 60417<br>6. Sealing. Part No: 6041 8<br>7. Valve seat, Part No: 60419<br>8. O-ring , Part No : N2507<br>9. O-ring , Part No: N 373 I<br>10. Piston rind set , Part No: N 1 6313                            | Recurring     | OLP 240832 | One<br>One Set<br>One<br>One Set<br>One<br>One<br>One<br>One<br>One<br>One Set |

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

|     |  |               |            |   |
|-----|--|---------------|------------|---|
| 544 | Spare pass for C ryogenerator of LN2 Plant<br>1. Displaces Assembly. Part No: 47053700<br>2. Cross Head , Part No: 42359700<br>3. 3Ph Contactor LC I D50. Part No: LC 1 D50<br>4. 3Ph Contactor LC 1 D40.Part to: LC 1 D40<br>5. Time Delay Relay LA2D52. Part No: LAD52   | Recurring     | OLP 240832 | One<br>One<br>One<br>One<br>One   |
| 545 | Hard Drive 1 TB, Optical Mouse   | Recurring     | OLP 240832 | Two each  |
| 546 | Antivirus software   | Recurring     | OLP 240832 | One   |
| 547 | Time delay fuses FNQ-R-1/4, 600 VAC,1/4 Amp  | Recurring     | OLP 240832 | Four  |
| 548 | Seamless copper pipe, fitting elbow, tee. union, U-band , Heating elements & DC motor  | Recurring     | OLP 240832 | As per req.   |
| 549 | Hitachi H izac PLC power card 24V DC of liquid nitrogen plant  | Recurring     | OLP 240832 | One   |
| 550 | 1. Cryogenic gloves<br>2. Cryogenic face shield  | Recurring     | OLP 240832 | Two pair<br>One   |
| 551 | Gas flow meter BK-G6 for helium gas recovery lines   | Recurring     | OLP 240832 | 15 Nos.   |
| 552 | Vacuum rubber Hoses OD 1" , 1/2" & 1/4"  | Recurring     | OLP 240832 | As per req.   |
| 553 | Tube cutter Blades   | Recurring     | OLP 240832 | 2 Nos.  |
| 554 | 1. KF25 Corrugated metal flexible hose 2 meter<br>2. KF25 Corrugated metal flexible hose 1 meter 1<br>3. KF25 Corrugated metal flexible hose 1/2 mtrs<br>4. K F25 Centering ring (SS) with Oring & clamp<br>5. KF40 to KF25 Reducer<br>6. KF40 to KF25 Reducer<br>7. KF25 to KF16 Reducer<br>8. KF25 four way cross<br>9. KF25-KF25-KF 1 6 Reducer Tee | Recurring     | OLP 240832 | 24 Nos.<br>24 Nos.<br>24 Nos.<br>36 Nos.<br>12 Nos.<br>6 Nos.<br>2 Nos.<br>2 Nos.<br>2 Nos. |
| 555 | Upgradation of remote machine control system of liquid helium plant  | Non-Recurring | OLP 240832 | 1   |
| 556 | PLB-2365 TN  | Recurring     | STS002     | 10  |
| 557 | Toner 2612A  | Recurring     | STS002     | 10  |
| 558 | Toner C388A/88A  | Recurring     | STS002     | 10  |
| 559 | Tonner CE-278a   | Recurring     | STS002     | 10  |
| 560 | Cat6 Ethernet Cable Roll Grey  | Recurring     | STS008     | 15  |
| 561 | Ethernet jointer/coupler   | Recurring     | STS008     | 200   |
| 562 | RJ45 connector   | Recurring     | STS008     | 20 boxes  |
| 563 | Maintenance of existing fiber cables including re-splicing of cores, cat 5 to cat 6 cable upgradation work   | Recurring     | STS008     | (solution)  |
| 564 | Gangbox, Faceplate, Keystone Jack  | Recurring     | STS008     | 50 set  |
| 565 | Fiber ports backbone network Switch  | Recurring     | STS008     | 2   |
| 566 | PoE Network Switch   | Recurring     | STS008     | 5   |
| 567 | End User Security Solution (licenses will be provided by HQ )  | Recurring     | STS008     | (Solution)  |

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|     |   |               |        |                 |
|-----|---|---------------|--------|-----------------|
| 568 | LAN tester  | Recurring     | STS008 | 20              |
| 569 | Windows 11 OS Licenses  | Recurring     | STS008 | 50              |
| 570 | NICSI empanelled security audit, STQC-GIGW hosting, hindi translation of content etc of website, with 3 years maintenance                       | Recurring     | STS008 | (Solution)      |
| 571 | NIC Email Server Charges  | Recurring     | STS008 | Email services  |
| 572 | NIC Email Server Charges  | Recurring     | STS008 | Email services  |
| 573 | NICSI SMS Charges   | Recurring     | STS008 | Email services  |
| 574 | domain (nplindia.in) renewal for 05 years   | Recurring     | STS008 | (solution)      |
| 575 | Punching Tool   | Recurring     | STS008 | 20              |
| 576 | Zebra Barcode Printer Ribon, Self adhesive Sticker  | Recurring     | STS008 | 5               |
| 577 | Jute Foot Mat (full size)   | Recurring     | STS008 | 6               |
| 578 | Photo Framing   | Recurring     | STS008 | 15              |
| 579 | cat6 ethernet cable roll Red  | Recurring     | STS008 | 3               |
| 580 | cat6 ethernet cable roll Blue   | Recurring     | STS008 | 3               |
| 581 | FIBRE PATCH CORD SC-LC SM DUPLEX (3m)   | Recurring     | STS008 | 30              |
| 582 | FIBRE PATCH CORD LC-LC SM DUPLEX (3m)   | Recurring     | STS008 | 30              |
| 583 | Rechargeable Battery for Lan Tester   | Recurring     | STS008 | 10              |
| 584 | Data centre renovation  | Non-Recurring | STS008 | 1               |
| 585 | 2 Ton Tower Air Conditioner   | Non-Recurring | STS008 | 1               |
| 586 | Servers   | Non-Recurring | STS008 | 5               |
| 587 | Books (English & Hindi)   | Non-Recurring | STS008 | As per required |
| 588 | Journal of Pure and Applied Ultrasonics, Open Source For You, Electronics For You, Collnet Journal of Scientometrics and Information Management | Non-Recurring | STS008 | 1               |
| 589 | Standards to Support R&D Activity of NPL  | Non-Recurring | STS008 | 35              |

**UPDATED AS ON JULY 01, 2024**

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