S.No	Item Name	Recurring / Non- Recurring	Project No.	Qty.
1	Exhaust system with hood (For RFB test station)	Recurring	HCP 53	1
2	Sieve for vaccum filtration	Recurring	HCP 53	1
3	Nitrogen gas	Recurring	HCP 53	10
4	Helium gas	Recurring	HCP 53	2
5	Argon gas	Recurring	HCP 53	10
6	Glassy carbon electrodes	Recurring	HCP 53	2
7	Platinum sheet electrodes	Recurring	HCP 53	4
8	Ag/AgCl reference electrode	Recurring	HCP 53	2
9	Connecting cables	Recurring	HCP 53	30
10	ASE 60 thickner	Recurring	HCP 53	50 kgs
11	Zinc Bromide	Recurring	HCP 53	500g
12	Vanadyl sulphate	Recurring	HCP 53	1 kg
13	Sulphuric acid	Recurring	HCP 53	5 lit
14	Anhydrous KBr	Recurring	HCP 53	500 mg
15	Ammonia solution (NH4OH)	Recurring	HCP 53	5 lit
16	Perchloric acid	Recurring	HCP 53	500 ml
17	Potassium dichromate	Recurring	HCP 53	500 mg
18	Ethyl-methylpyrrolidinium bromide	Recurring	HCP 53	10 gm
19	Ethyl-methylmorpholiniumnium bromide	Recurring	HCP 53	10 gm
20	Hexane	Recurring	HCP 53	5 lit
21	Ammonia solution (NH4OH)	Recurring	HCP 53	5 lit
22	5 cell stack for RFB system	Recurring	HCP 53	1
23	Carbon fiber	Recurring	HCP 53	2 kgs
24	Exhaust fan for laboratory	Recurring	HCP 53	1
25	Waxpole	Recurring	HCP 53	10
26	Release paper	Recurring	HCP 53	100
27	Carbon felt	Recurring	HCP 53	1 sq meter
28	Box files	Recurring	HCP 53	10
29	Connectors, Cables, electrical component and other relevant accessories	Recurring	FTT 070507	10
30	Incubator Analyzer	Non-Recurring	FTT 070507	1
31	Neonatal Incubator	Non-Recurring	FTT 070507	1
32	Temperature sensor	Non-Recurring	FTT 070507	1
33	Hygrometer	Non-Recurring	FTT 070507	1
34	anemometer	Non-Recurring	FTT 070507	1
35	Dry well	Non-Recurring	FTT 070507	1
36	Humidity Chamber	Non-Recurring	FTT 070507	1
37	Sound Calibrator	Non-Recurring	FTT 070507	1
38	Wind tunnel	Non-Recurring	FTT 070507	1
39	Anti-Vibration Table	Non-Recurring	FTT 070507	1
40	Humidifier with dry air controller	Non-Recurring	MLP 201232	1 no.
41	Sheffield Head with sensors	Non-Recurring	MLP 201232	1 set
42	IR Thermal Imager	Non-Recurring	MLP 201232	01 nos

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43	Nitrogen Gas regulator	Recurring	MLP 201232	2 nos.
44	Pushfit connectors, penumatic tubes etc of different	Recurring	MLP 201232	1 set
	sizes			
45	Mask Sample Holders	Recurring	MLP 201232	8 nos.
46	Pneumatic pipes, fittings, pushfits etc. of different	Recurring	MLP 201232	1 set
	sizes			
47	Integrating Nephelometer	Non-Recurring	FTT 050502	1
48	Optical Particle Counter	Non-Recurring	FTT 050502	1
49	Tethered Balloon Kit	Non-Recurring	FTT 050502	1
50	Light Weight PM Sampler	Non-Recurring	FTT 050502	2
51	Denuder	Non-Recurring	FTT 050502	1
52	Connectors, Cables and other relevant accessories	Recurring	OLP 236132	10
53	Chemicals, metals, reagents, solvents and other comsumables	Recurring	GAP 200332	As per requirment
54	Glass apparatus, Distallation sets	Recurring	GAP 200332	As per requirment
55	Gas, Laboratory Items	Recurring	GAP 200332	As per requirment
56	Chem draw, Scitific sofoware, etc	Recurring	GAP 200332	As per requirment
57	Repair of isturement/ computer/ printer, UPS, etc	Recurring	GAP 200332	As per requirment
58	Electronic components, microprocessor, controller, sensor, camcoder, lens, switch, electronic circuit, electronic and electrical component etc	Recurring	HCP 52	As per requirment
59	High purity Chemicals like, acids, salts, glucose, hydrocarbons, reagents, engymes, glucose, carbohydrates etc.	Recurring	HCP 52	As per requirment
60	MATLAB software, pdf writer, office 360, heat wave simulation software, anti virus etc	Recurring	HCP 52	As per requirment
61	Normal purity Chemicals like, acids, salts, glucose, hydrocarbons, reagents, engymes, glucose, carbohydrates etc.	Recurring	HCP 52	As per requirment
62	Data acquisition system	Non-Recurring	HCP 52	1
63	Dry Vacuum Pump	Non-Recurring	GAP 230932	1
64	Dry Scroll Vacuum Pump	Non-Recurring	GAP 230932	1
65	Continuous optical source with wavelength control 200nm-1100nm	Recurring	GAP 230932	1
66	High Precision Probe with temperature control stage	Recurring	GAP 230932	1
67	Neutral Density Filter	Recurring	GAP 230932	1
68	Substrates (Si)	Recurring	GAP 230932	1
69	Temperature Controller with software	Recurring	GAP 230932	1
70	Vernier caliper	Recurring	GAP 230332	1
71	Rotameter	Recurring	GAP 230332	2
72	Melt pump heater	Recurring	GAP 230332	10

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73	Graphite ring	Recurring	GAP 230332	10
74	Nickel nitrate hexahydrate, 100 g	Recurring	GAP 230332	1
75	Cobalt acetate tetra hydrate, 100 g		GAP 230332	
76	Cobalt nitrate nonahydrate, 100 g	Recurring Recurring	GAP 230332	1
77	Thiophene, 1 L	Recurring	GAP 230332	1
78	Tetrahydronapthalene, 4 L	Recurring	GAP 230332	5
79	Decalin, 4 L	Recurring	GAP 230332	1
80	Toluene	Recurring	GAP 230332	1
	N-Hexane, 2.5 L	Recurring	GAP 230332	5
82	Petroleum ether, 2.5 L	Recurring	GAP 230332	5
	Molybdeum sulfide, 100 g	Recurring	GAP 230332	1
	Nitric acid	Recurring	GAP 230332	4
85	Sodium sulfate	Recurring	GAP 230332	1
	Acetone, 2.5 L	Recurring	GAP 230332	10
87	Triethylenetetramine (TETA)	Recurring	GAP 230332	2 kg
	Epoxy resin	Recurring	GAP 230332	20 kg
89	N-Methyl-2-pyrrolidone	Recurring	GAP 230332	1
	, , ,			
	Impregnating coal tar pitch	Recurring	GAP 230332	400 Kg
91	Polypropylene (PP)	Recurring	GAP 230332	50 kg
92	Hand grinder	Recurring	GAP 230332 GAP 230332	1
	MALDI-TOF mass spectrometer characterization	Recurring		20
94	NMR testing	Recurring	GAP 230332	10
	Elemental analysis (CHNS)	Recurring	GAP 230332	20
96	Wrench set	Recurring	GAP 230332	2
97	Pestle mortar	Recurring	GAP 230332	2
	Screw driver set	Recurring	GAP 230332	1
	Allen key set	Recurring	GAP 230332	2
	Lab coat	Recurring	GAP 230332	10
	HR-TEM grid	Recurring	GAP 230332	1 pack
	Nickel foam	Recurring	GAP 230332	1
	Reference electrode (SCE)	Recurring	GAP 230332	1
104	Emery paper of different grades	Recurring	GAP 230332	100 each
	Cross-spin magnetic stirrer bar	Recurring	GAP 230332	1 set
106	Nitrile Gloves (Purple superior quality)	Recurring	GAP 230332	10
	Glass assembly	Recurring	GAP 230332	1
	Filtering flask assembly	Recurring	GAP 230332	1
109	Carboy HDPE, 50 L	Recurring	GAP 230332	1
110	Silicon pipe	Recurring	GAP 230332	10 m
111	Vacuum tubing	Recurring	GAP 230332	3 m
112	Pneumatic air tubing pipe	Recurring	GAP 230332	20 m
113	Water pipe	Recurring	GAP 230332	20 m
114	Plastic boxes (Large)	Recurring	GAP 230332	50
115	Nitrogen gas (Refilling)	Recurring	GAP 230332	20
116	Air gas (Refilling)	Recurring	GAP 230332	10
117	Repairing of UPS	Recurring	GAP 230332	1

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118	Fabrication of die mould	Recurring	GAP 230332	1
	PVDF	Recurring	GAP 230332	1 kg
120	Waxpol	Recurring	GAP 230332	10
121	Softening point apparatus	Non-Recurring	GAP 230332	1
122	Optical microscope	Non-Recurring	GAP 230332	1
123	Polishing machine	Non-Recurring	GAP 230332	1
124	Oxidation oven	Non-Recurring	GAP 230332	1
125	Carbonization furnace	Non-Recurring	GAP 230332	1
126	Upgradation in existing melt-spinning assembly	Non-Recurring	GAP 230332	1
127	Minor equipments, its accessories and installation	Non-Recurring	GAP 230332	As per Req.
128	Sound Level Analyzer	Non-Recurring	NWP 100	1
129	Multifucntion Sound Calibrator	Non-Recurring	NWP 100	1
130	Hydraulic Pressure Gauge	Non-Recurring	NWP 100	1
131	Printer (Multi Function),	Non-Recurring	NWP 100	2
132	Check Master	Non-Recurring	NWP 100	1
133	Muffle Furnance	Non-Recurring	NWP 100	1
134	Charges for repair/upgradation of SRP43/SRI, SRP/SRI transportation charges, custom duty, and GST charges	Recurring	OLP 235932	As per requiremnt
135	Accessories and spare parts for Zero air generator	Recurring	OLP 235932	As per requiremnt
136	Miscellaneous items for Primary Oozne Standard facility	Recurring	OLP 235932	As per requiremnt
137	Digital Barometer	Non-Recurring	OLP 235932	1
138	Digital temperature and humidity meter	Non-Recurring	OLP 235932	1
139	Dehumidifier	Non-Recurring	OLP 235932	1
	Digital Multimeter	Non-Recurring	OLP 235932	1
	Oxygen gas cylinder	Recurring	GAP 230832	5
	Nitrogen gas cylinder	Recurring	GAP 230832	2
	Copper powder	Recurring	GAP 230832	3
	Selenium powder	Recurring	GAP 230832	1
	Magnesium powder	Recurring	GAP 230832	2
	Antimony powder	Recurring	GAP 230832	4
	Silver powder	Recurring	GAP 230832	4
148	Repair of furnace	Recurring	GAP 230832	1
149	Printer cartridge 88A, 30A and others	Recurring	GAP 230832	12
	External CD writer	Recurring	GAP 230832	1
	Anti-virus	Recurring	GAP 230832	1
	Hard disk	Recurring	GAP 230832	3
	Pen Drive 64 GB	Recurring	GAP 230832	5
	Stationary items	Recurring	GAP 230832	As Per Req.
155	Tissue Paper	Recurring	GAP 230832	As Per Req.
156	Office furniture	Recurring	GAP 230832	As Per Req.

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	loss		CAD 220022	_
157	Office miscelleneous items	Recurring	GAP 230832	1
	Rewritable CD/DVD	Recurring	GAP 230832	200
	Repair-miscelleneous	Recurring	GAP 230832 GAP 230832	As Per Req.
	Miscelleneous items Glassware	Recurring	GAP 230832	As Per Req. As Per Req.
	Office softwares	Recurring	GAP 230832	•
162	Tin shot	Recurring	GAP 230832	As Per Req.
	Selenium shot	Recurring Recurring	GAP 230832	100gm
				50gm
165	Carbon activated	Recurring	GAP 230832	500gm
166	Sodium	Recurring	GAP 230832	450gm
	Copper shot	Recurring	GAP 230832	50gm
168	Sulfur	Recurring	GAP 230832	10gm
169	Tellurium	Recurring	GAP 230832	500gm
170	Lead shot	Recurring	GAP 230832	100gm
171	Antimony shot	Recurring	GAP 230832	50gm
172	Quartz tube	Recurring	GAP 230832	As Per Req.
173	TEM Grid	Recurring	GAP 230832	As Per Req.
174	Graphite	Recurring	GAP 230832	As Per Req.
175	Alumina paste	Recurring	GAP 230832	100gm
176	Crucible	Recurring	GAP 230832	As Per Req.
177	Vernier Calliper	Recurring	GAP 230832	2
178	Mortar Pestle	Recurring	GAP 230832	2
179	Power supply	Non-Recurring	GAP 231232	1
180	Chamber	Non-Recurring	GAP 231232	1
181	Sputter guns	Non-Recurring	GAP 231232	2
182	Vacuum pumps	Non-Recurring	GAP 231232	1
183	Refrigerator/thermal staeg (80-730K)	Recurring	GAP 231232	1
184	modification of humity chamber	Recurring	GAP 231232	1
185	fabrication of customized electrical cabinet	Recurring	GAP 231232	as per requierment
186	gases	Recurring	GAP 231232	as per requierment
187	Insulating sheets	Recurring	GAP 231232	as per requierment
188	Repair of Power supplies	Recurring	GAP 231232	2
189	Refilling of precursor bottles/cylinders	Recurring	GAP 231232	2
190	gas line cabinet	Recurring	GAP 231232	1
191	UPS repairs	Recurring	GAP 231232	2
192	Repair of refrigerator/thermal staeg (80-730K)	Recurring	GAP 231232	2
193	IR lamps	Recurring	GAP 231232	25
194	Fabrication of 6" Magnetron	Recurring	GAP 231232	2
195	Fabriation of 4" to 6" adapter with ISO flanges	Recurring	GAP 231232	1
196	Sun attenuator	Recurring	GAP 231232	1
197	Fabrication of RF compatible heater	Recurring	GAP 231232	1
198	repair of compressors/dry air gernerators	Recurring	GAP 231232	2
199	Computer accessories (mother boards, mouse,	Recurring	GAP 231232	as per requierment
	II.a.daaada aka\			
200	keyboards, etc) fabrication of gas cabinet	Recurring	GAP 231232	as per requierment

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Dus-bar assembly for solar simulator Recurring GAP 231232 1	201	hus hav assambly fav salav simulator	Dogunina	GAP 231232	1
Cooled C		·	Recurring		1
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collar 204 sputtering targets (Oxides) 205 Repair of lifetime system,mPCD 206 Repair of lifetime system,mPCD 207 Recurring 208 Repair of EL system (MBJ) 208 Repair of EL system (MBJ) 209 Custom design and fabriation of 6" adapter for ISO to CF 200 Miscelleneous (vacuum components, electrical, valves and vacuum gauges, valves, needles silicon wafers etc.) 200 Replacement of Batteries 210 Fabrication of frame 211 PU Lubing accessories 212 hoses and fittings 213 water manifolds 214 Silicon wafers of different doping, sizes 215 Such as acetone, IPA, HNO3, HZSO4, AgNO3, HZO2, KOH, Ag wires, any other required other chemicals, etc. 216 Various glasswares and polypropylene based items such as Borosil beakers of different volumes, petri dishes, etc. 217 Nitrile gloves of (medium, small and large sizes), filter papers, Kimwipes lint free papers, Teflon made wares, etc. 218 Di water plant spares/consumables such cartridges, any other accessories, etc. 219 Repair/maintenance of existing spin coating unit, thermal evaporation system, any other unforeseen items/repair such as chiller, etc. 219 Recurring GAP 230632 as per requirement thems/repair such as chiller, etc. 220 Spares of SR –IV system such as lamp, battery of UPS, any other electronic components, repair, etc. 221 Making of metal masks for metal electrode deposition 222 Printer Cartridges, pen drives, CDs, Stationary items, SDs, files, folders, etc. 223 Cables, Connectors, RF distribution boards, Electronic boards and accessories 224 GNSS receiver with accessories 225 Recurring GAP 25032 As per requirement Electronic boards and accessories 226 Recurring GAP 150132 As per Requirement Electronic boards and accessories 227 Recurring GAP 150132 As per Requirement Electronic boards and accessories 228 Recurring GAP 250632 As per requirement Electronic boards and accessories 229 Recurring GAP 250632 As per requirement Electronic boards and accessories		·			
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225 Tool Kit and Ratchet set Recurring TSP 180932 6	224	GNSS receiver with accessories	Non-Recurring	GAP 150132	2
	225	Tool Kit and Ratchet set	Recurring	TSP 180932	6

^{*}The publication of this list shall not be construed as initiation of a procurement process and cast anyobligation on CSIR-NPL to issue the bidding document or confer any right on prospective bidders (Rule 144(x)of GFR 2017).

226	Crimping Tool for RG316, RG223/U	Recurring	TSP 180932	6
	Crimping Tool for LMR400.	Recurring	TSP 180932	6
228	Crimping Tool for RJ45	Recurring	TSP 180932	6
229	Hot Blower	Recurring	TSP 180932	6
230	Power Extension Board (min. 5 socket)	Recurring	TSP 180932	15
231	RG223/U RF cable (m)	Recurring	TSP 180932	2800
232	RG316 RF Cable (m)	Recurring	TSP 180932	1600
233	LMR400 Cable (m)	Recurring	TSP 180932	1650
234	BNC Connectors for RG223	Recurring	TSP 180932	820
235	BNC Connectors for RG316	Recurring	TSP 180932	575
236	N type Connectors for RG223	Recurring	TSP 180932	125
237	N type Connectors for LMR400	Recurring	TSP 180932	90
238	BNC Female to BNC Female Adapters	Recurring	TSP 180932	85
239	N-female to N –female adapter	Recurring	TSP 180932	85
240	SMA female to SMA female adapter	Recurring	TSP 180932	85
241	N-male to BNC Female adapter	Recurring	TSP 180932	85
242	N-male to BNC male adapter	Recurring	TSP 180932	85
243	BNC male to N –female adapter	Recurring	TSP 180932	85
244	SMA male to BNC female adapter	Recurring	TSP 180932	85
245	3-dB splitters (BNC)	Recurring	TSP 180932	75
246	3-dB Attenuators	Recurring	TSP 180932	40
247	Terminator (50 Ohm BNC)	Recurring	TSP 180932	160
248	LAN Cables (2 m)	Recurring	TSP 180932	145
249	LAN Cables (3 m)	Recurring	TSP 180932	350
250	LAN Cables (5 m)	Recurring	TSP 180932	350
251	LAN Cables (10 m)	Recurring	TSP 180932	115
252	Cat6 UTP Cable Roll (m)	Recurring	TSP 180932	430
253	RJ45 connectors	Recurring	TSP 180932	340
254	RS232 3 core shielded Cable Roll (m)	Recurring	TSP 180932	1025
255	Serial Connectors (DB9 Male)	Recurring	TSP 180932	420
256	Serial Connectors (DB9 Female)	Recurring	TSP 180932	420
257	Dust cap (Hood) DB9	Recurring	TSP 180932	840
258	H/S sleeve (8mm) (m)	Recurring	TSP 180932	115
259	H/S sleeve (3 or 4mm) (m)	Recurring	TSP 180932	115
260	H/S sleeve (1.5 or 2mm) (m)	Recurring	TSP 180932	115
261	Grounding Wire (Yellow or Green) 4sq m	Recurring	TSP 180932	75
262	Round lug for grounding wire (M6)Nos	Recurring	TSP 180932	850
263	AT-1 carrier strip (Packets)	Recurring	TSP 180932	75
264	H/S sleeve (Transparent) 7mm/8mm (m)	Recurring	TSP 180932	115
265	Cable tie (100mm) (packets)	Recurring	TSP 180932	75
266	Cable tie (200mm) (packets)	Recurring	TSP 180932	75
267	Cable tie (300mm) (packets)	Recurring	TSP 180932	45

^{*}The publication of this list shall not be construed as initiation of a procurement process and cast anyobligation on CSIR-NPL to issue the bidding document or confer any right on prospective bidders (Rule 144(x)of GFR 2017).

268	SMA Connectors for RG223	Recurring	TSP 180932	390
269	SMA Connectors for RG316	Recurring	TSP 180932	555
270	TNC type connector for RG223	Recurring	TSP 180932	55
271	TNC type connector for LMR400	Recurring	TSP 180932	90
272	TNC type connector for RG316	Recurring	TSP 180932	45
273	BNC-female to TNC-male	Recurring	TSP 180932	80
274	SMA-female to TNC-male	Recurring	TSP 180932	80
275	Power cords(Nos)	Recurring	TSP 180932	70
276	Operating system (Win-10 Professional, 64 bit)	Recurring	TSP 180932	6
277	Antivirus 3yrs Lic	Recurring	TSP 180932	30
278	MS Office 2019	Recurring	TSP 180932	30
279	Mouse USB	Recurring	TSP 180932	60
280	Keyboard USB	Recurring	TSP 180932	30
281	Pen drives (3.0) 32 GB	Recurring	TSP 180932	60
282	USB HARD DISK Drive (3.0) 2TB	Recurring	TSP 180932	12
283	Wireless USB Dongle	Recurring	TSP 180932	30
284	LAN Tester	Recurring	TSP 180932	12
285	Screw Driver Set (PC, Workstn)	Recurring	TSP 180932	12
286	USB to HDMI Cables	Recurring	TSP 180932	30
287	HDMI to HDMI Cables	Recurring	TSP 180932	12
288	Mouse PADs Anti Static	Recurring	TSP 180932	60
289	Laboratory Job work: 1. Building Management	Recurring	TSP 180932	As per Req
290	Maintenance of Equipment: AMC for UPS /AC /	Recurring	TSP 180932	10
	Generator/ Data logger/ CCD camera / other			
	accessories			
291	Audio-visual and Meeting expenses	Recurring	TSP 180932	10
292	Computer Software: 1. Antivirus 2. PTP, NTP and	Recurring	TSP 180932	10
	NMS 3. Word processing 4. Any other software			
	, ,			
293	Computer and Printer Consumables	Recurring	TSP 180932	20
294	RF cables, connectors and consumables	Recurring	TSP 180932	20
295	Optical Fiber, connectors, and accessories	Recurring	TSP 180932	10
296	Stationary, Staplers, label printer, and other	Recurring	TSP 180932	20
	minor components & items			
297	Video Conferencing accessories	Recurring	TSP 180932	10
298	Battery and Electrical & Electronic accessories	Recurring	TSP 180932	20
299	Replacement of Spare part of equipment	Recurring	TSP 180932	2
300	Other consumable items	Recurring	TSP 180932	10
301	Charges relating to organization of Meetings/	Recurring	TSP 180932	As per Req
	Seminars/ Workshops/ Conference / Training			
302	• • • • • • • • • • • • • • • • • • • •	Recurring	TSP 180932	Ac nor Doc
302	Training at ISRO for Project Team and	neculling	131 100332	As per Req
	temporary staff			

^{*}The publication of this list shall not be construed as initiation of a procurement process and cast anyobligation on CSIR-NPL to issue the bidding document or confer any right on prospective bidders (Rule 144(x)of GFR 2017).

303	Registration and Training fee of Project Team	Recurring	TSP 180932	As per Req
	and temporary staff	J		- 1 1
304	Job work	Recurring	TSP 180932	As per Req
	License (including satellite license) and fees (IP /	Recurring	TSP 180932	As per Req
	internet address charges)			, ,
306	Honorarium to consultants, experts and TSC	Recurring	TSP 180932	As per Req
	members			
307	Job work of Printing of Reports, Tenders,	Recurring	TSP 180932	As per Req
	Advertisements, etc			
308	Transportation of equipment from ISRO to	Recurring	TSP 180932	As per Req
	RRSLs			
309	Poster Printing charges/ exhibition	Recurring	TSP 180932	As per Req
	arrangements			
310	Internet / Telephone / Transponder charges	Recurring	TSP 180932	As per Req
311	Web charges and Software development fee	Recurring	TSP 180932	As per Req
312	Books and Standards	Recurring	TSP 180932	As per Req
313	Stationary	Recurring	TSP 180932	As per Req
314	Printing charges	Recurring	TSP 180932	As per Req
315	Administrative charges for Meetings/ Seminars/	Recurring	TSP 180932	As per Req
	Workshops/ Conference			
316	Training of Project Staff	Recurring	TSP 180932	As per Req
317	Contract Staff (Five Skilled/ Semi Skilled and	Recurring	TSP 180932	As per Req
	Two retired employees)			
318	Payment to Daily/Monthly wager	Recurring	TSP 180932	As per Req
319	Postage and Courier charges	Recurring	TSP 180932	As per Req
320	Canteen and food expenses	Recurring	TSP 180932	As per Req
321	Hot and Cold charges	Recurring	TSP 180932	As per Req
322	Legal expenses/ fee to consultants, auditor and	Recurring	TSP 180932	As per Req
323	Periodicals and books	Recurring	TSP 180932	As per Req
324	Office furnishings, curtains and related repairs	Recurring	TSP 180932	As per Req
325	Furniture repairs and maintenance	Recurring	TSP 180932	As per Req
326	Guest house charges including food charges	Recurring	TSP 180932	As per Req
327	Maintenance of office equipment	Recurring	TSP 180932	As per Req
328	Miscellaneous and unforeseen	Recurring	TSP 180932	As per Req
329	Furniture for traceability Lab	Non-Recurring	TSP 180932	As per Req
330	Antenna control unit	Non-Recurring	TSP 180932	1
331	Works and services for IT	Non-Recurring	TSP 180932	As per Req
332	Furniture for RRSLs and DRC	Non-Recurring	TSP 180932	As per Req
333	TWSTFT equipment	Non-Recurring	TSP 180932	1
334	AC systems	Non-Recurring	TSP 180932	As per Req
335	TV /Big Displays	Non-Recurring	TSP 180932	As per Req
336	Multifunctional Printers	Non-Recurring	TSP 180932	10
337	Office Computers	Non-Recurring	TSP 180932	20

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etc) 879 Recurring cap 230732	338	Electronic consumables (components, boards,	Recurring	GAP 230732	As per Req
RF cables: RG223, RG174 Recurring GAP 230732 50 m each GAP 230734 20 nos each GAP 230734 20 nos each GAP 230732 31 10 nos each SMA for RG 223, BNC for RG174, Recurring GAP 230732 10 nos each SMA M, TNC M to N F 342 Optical fiber & consumables Recurring GAP 230732 As per Req Consumables for optical fiber link (electronic components, Optical components, fiber connectors, SFP etc.,) 344 GNSS signal splitter 1:4 Recurring GAP 230732 1 2	338		recurring	G/11 230/32	As per neq
Connectors: SMA for RG 223, BNC for RG174, Recurring GAP 230732 20 nos each	330	, and the second	Recurring	GAP 230732	50 m oach
Adaptors: SMA F to BNC M, N F to BNC M, N F to SMA M, TNC M to N F					
SMA M, TNC M to N F 342 Optical fiber & consumables 343 Consumables for optical fiber link (electronic components, Optical components, fiber connectors, SFP etc.,) 344 GNSS signal splitter 1:4 345 SMPS 12V 346 Recurring GAP 230732 347 IP address pool 348 Other consumables 349 Other Research Expenditure (ORE) 350 Service charges / Job work for development of software 351 Service charges / Job work for development of remote file system (RFS) for exchange of data between multiple clients and NPL. 352 Contingency 353 API publication charges at NIC API Exchange 354 Broadband charges 355 Printer Cartridges and Stationery 356 Miscellaneous and Unforeseen 357 Rubidium frequency Standard 358 Miscellaneous and Unforeseen 359 GNSS receiver with Antenna & cable 350 Work station 351 Recurring 352 Recurring 353 Refeling of argon gas cylinders 354 Refilling of argon gas cylinders 355 Refeling of Sarping MLP 231832 356 Regairing of Oven 357 Recurring 358 Recurring 359 Recurring 360 MD 230732 370 AS per Req 371 Recurring 372 Recurring 373 AP 1 publication charges 374 Recurring 375 Recurring 376 AP 230732 377 AS per Req 378 Refeliling of argon gas cylinders 379 Refeliling of Argon gas cylinders 380 Refeliling of Hydrogen gas cylinders 381 Recurring 382 Recurring 384 Recurring 385 Recurring 386 Recurring 387 Recurring 388 Recurring 389 Recurring 380 Recurring 380 Recurring 380 Recurring 380 Recurring 380 Recurring 380 Recurring 381 Recurring 382 Recurring 383 Recurring 384 Pl 231832 385 Recurring 386 Recurring 387 Recurring 388 Recurring 389 Recurring 389 Recurring 380		·			
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356Miscellaneous and UnforeseenRecurringGAP 230732As per Req357Rubidium frequency StandardNon-RecurringGAP 2307322358Time Interval CounterNon-RecurringGAP 2307323359GNSS receiver with Antenna & cableNon-RecurringGAP 2307322360Work stationNon-RecurringGAP 2307322361Kernel Virtual MachineNon-RecurringGAP 2307322362White Rabbit Len Standalone kitNon-RecurringGAP 2307322363Refilling of argon gas cylindersRecurringMLP 23183230364Refilling of Hydrogen gas cylindersRecurringMLP 23183210365Repairing of OvenRecurringMLP 2318322366Testing of samplesRecurringMLP 231832As per requirement367Glass fiber clothRecurringMLP 23183220 square meter368Fabrication of CNT film collection assemblyRecurringMLP 231832One369Furance heating rodsRecurringMLP 2318326 Nos370Alumina reactorRecurringMLP 2318321 No371ASE SurfactantRecurringMLP 23183210 liter	354	Broadband charges	Recurring	GAP 230732	As per Req
357Rubidium frequency StandardNon-RecurringGAP 2307322358Time Interval CounterNon-RecurringGAP 2307323359GNSS receiver with Antenna & cableNon-RecurringGAP 2307322360Work stationNon-RecurringGAP 2307322361Kernel Virtual MachineNon-RecurringGAP 2307322362White Rabbit Len Standalone kitNon-RecurringGAP 2307322363Refilling of argon gas cylindersRecurringMLP 23183230364Refilling of Hydrogen gas cylindersRecurringMLP 23183210365Repairing of OvenRecurringMLP 2318322366Testing of samplesRecurringMLP 231832As per requirement367Glass fiber clothRecurringMLP 23183220 square meter368Fabrication of CNT film collection assemblyRecurringMLP 231832One369Furance heating rodsRecurringMLP 2318326 Nos370Alumina reactorRecurringMLP 2318321 No371ASE SurfactantRecurringMLP 23183210 liter	355	Printer Cartridges and Stationery	Recurring	GAP 230732	As per Req
358Time Interval CounterNon-RecurringGAP 2307323359GNSS receiver with Antenna & cableNon-RecurringGAP 2307322360Work stationNon-RecurringGAP 2307322361Kernel Virtual MachineNon-RecurringGAP 2307322362White Rabbit Len Standalone kitNon-RecurringGAP 2307322363Refilling of argon gas cylindersRecurringMLP 23183230364Refilling of Hydrogen gas cylindersRecurringMLP 23183210365Repairing of OvenRecurringMLP 2318322366Testing of samplesRecurringMLP 231832As per requirement367Glass fiber clothRecurringMLP 23183220 square meter368Fabrication of CNT film collection assemblyRecurringMLP 231832One369Furance heating rodsRecurringMLP 2318326 Nos370Alumina reactorRecurringMLP 2318321 No371ASE SurfactantRecurringMLP 23183210 liter	356	Miscellaneous and Unforeseen	Recurring	GAP 230732	As per Req
359GNSS receiver with Antenna & cableNon-RecurringGAP 2307322360Work stationNon-RecurringGAP 2307322361Kernel Virtual MachineNon-RecurringGAP 2307322362White Rabbit Len Standalone kitNon-RecurringGAP 2307322363Refilling of argon gas cylindersRecurringMLP 23183230364Refilling of Hydrogen gas cylindersRecurringMLP 23183210365Repairing of OvenRecurringMLP 2318322366Testing of samplesRecurringMLP 231832As per requirement367Glass fiber clothRecurringMLP 23183220 square meter368Fabrication of CNT film collection assemblyRecurringMLP 231832One369Furance heating rodsRecurringMLP 2318326 Nos370Alumina reactorRecurringMLP 2318321 No371ASE SurfactantRecurringMLP 23183210 liter	357	Rubidium frequency Standard	Non-Recurring	GAP 230732	2
360Work stationNon-RecurringGAP 2307322361Kernel Virtual MachineNon-RecurringGAP 2307322362White Rabbit Len Standalone kitNon-RecurringGAP 2307322363Refilling of argon gas cylindersRecurringMLP 23183230364Refilling of Hydrogen gas cylindersRecurringMLP 23183210365Repairing of OvenRecurringMLP 2318322366Testing of samplesRecurringMLP 231832As per requirement367Glass fiber clothRecurringMLP 23183220 square meter368Fabrication of CNT film collection assemblyRecurringMLP 231832One369Furance heating rodsRecurringMLP 2318326 Nos370Alumina reactorRecurringMLP 2318321 No371ASE SurfactantRecurringMLP 23183210 liter	358	Time Interval Counter	Non-Recurring	GAP 230732	3
361Kernel Virtual MachineNon-RecurringGAP 2307322362White Rabbit Len Standalone kitNon-RecurringGAP 2307322363Refilling of argon gas cylindersRecurringMLP 23183230364Refilling of Hydrogen gas cylindersRecurringMLP 23183210365Repairing of OvenRecurringMLP 2318322366Testing of samplesRecurringMLP 231832As per requirement367Glass fiber clothRecurringMLP 23183220 square meter368Fabrication of CNT film collection assemblyRecurringMLP 231832One369Furance heating rodsRecurringMLP 2318326 Nos370Alumina reactorRecurringMLP 2318321 No371ASE SurfactantRecurringMLP 23183210 liter	359	GNSS receiver with Antenna & cable	Non-Recurring	GAP 230732	2
362White Rabbit Len Standalone kitNon-RecurringGAP 2307322363Refilling of argon gas cylindersRecurringMLP 23183230364Refilling of Hydrogen gas cylindersRecurringMLP 23183210365Repairing of OvenRecurringMLP 2318322366Testing of samplesRecurringMLP 231832As per requirement367Glass fiber clothRecurringMLP 23183220 square meter368Fabrication of CNT film collection assemblyRecurringMLP 231832One369Furance heating rodsRecurringMLP 2318326 Nos370Alumina reactorRecurringMLP 2318321 No371ASE SurfactantRecurringMLP 23183210 liter	360	Work station	Non-Recurring	GAP 230732	2
363 Refilling of argon gas cylinders Recurring MLP 231832 30 364 Refilling of Hydrogen gas cylinders Recurring MLP 231832 10 365 Repairing of Oven Recurring MLP 231832 2 366 Testing of samples Recurring MLP 231832 As per requirement 367 Glass fiber cloth Recurring MLP 231832 20 square meter 368 Fabrication of CNT film collection assembly Recurring MLP 231832 One 369 Furance heating rods Recurring MLP 231832 6 Nos 370 Alumina reactor Recurring MLP 231832 1 No 371 ASE Surfactant Recurring MLP 231832 10 liter	361	Kernel Virtual Machine	Non-Recurring	GAP 230732	2
364 Refilling of Hydrogen gas cylinders 365 Repairing of Oven 366 Testing of samples 367 Glass fiber cloth 368 Fabrication of CNT film collection assembly 369 Furance heating rods 370 Alumina reactor 371 ASE Surfactant 386 Recurring 387 Recurring 387 Recurring 388 Recurring 389 Furance heating rods 380 Recurring 380 Recurring 380 Recurring 380 Recurring 381 Recurring 381 Recurring 381 ASE Surfactant 380 Recurring 381 Recurring 381 Recurring 381 Recurring 382 As per requirement 383 Recurring 384 Recurring 385 Recurring 386 Recurring 387 Recurring 388 Recurring 388 Recurring 389 Recurring 380 Recurr	362	White Rabbit Len Standalone kit	Non-Recurring	GAP 230732	2
364Refilling of Hydrogen gas cylindersRecurringMLP 23183210365Repairing of OvenRecurringMLP 2318322366Testing of samplesRecurringMLP 231832As per requirement367Glass fiber clothRecurringMLP 23183220 square meter368Fabrication of CNT film collection assemblyRecurringMLP 231832One369Furance heating rodsRecurringMLP 2318326 Nos370Alumina reactorRecurringMLP 2318321 No371ASE SurfactantRecurringMLP 23183210 liter	363	Refilling of argon gas cylinders	Recurring	MLP 231832	30
365Repairing of OvenRecurringMLP 2318322366Testing of samplesRecurringMLP 231832As per requirement367Glass fiber clothRecurringMLP 23183220 square meter368Fabrication of CNT film collection assemblyRecurringMLP 231832One369Furance heating rodsRecurringMLP 2318326 Nos370Alumina reactorRecurringMLP 2318321 No371ASE SurfactantRecurringMLP 23183210 liter	364	g	Recurring	MLP 231832	10
366Testing of samplesRecurringMLP 231832As per requirement367Glass fiber clothRecurringMLP 23183220 square meter368Fabrication of CNT film collection assemblyRecurringMLP 231832One369Furance heating rodsRecurringMLP 2318326 Nos370Alumina reactorRecurringMLP 2318321 No371ASE SurfactantRecurringMLP 23183210 liter			Recurring	MLP 231832	2
367Glass fiber clothRecurringMLP 23183220 square meter368Fabrication of CNT film collection assemblyRecurringMLP 231832One369Furance heating rodsRecurringMLP 2318326 Nos370Alumina reactorRecurringMLP 2318321 No371ASE SurfactantRecurringMLP 23183210 liter	366			MLP 231832	As per requirement
368Fabrication of CNT film collection assemblyRecurringMLP 231832One369Furance heating rodsRecurringMLP 2318326 Nos370Alumina reactorRecurringMLP 2318321 No371ASE SurfactantRecurringMLP 23183210 liter	367	<u> </u>	Recurring	MLP 231832	
369 Furance heating rodsRecurringMLP 2318326 Nos370 Alumina reactorRecurringMLP 2318321 No371 ASE SurfactantRecurringMLP 23183210 liter	368	Fabrication of CNT film collection assembly		MLP 231832	•
370Alumina reactorRecurringMLP 2318321 No371ASE SurfactantRecurringMLP 23183210 liter	369	,		MLP 231832	
371 ASE Surfactant Recurring MLP 231832 10 liter			Recurring	MLP 231832	1 No
	371		Recurring	MLP 231832	
	372	N,N- Di methyl formamide		MLP 231832	20 liter

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373	Toluene	Recurring	MLP 231832	15 liter
	Syringes	Recurring	MLP 231832	100
	Ethylene diamine	Recurring	MLP 231832	2.5 liter
	,	Recurring	MLP 231832	500 ml
	Ethane 1,2-dithiol		MLP 231832	
	Multimeter	Recurring		
378	Glass woolen	Recurring	MLP 231832	As per requierement
-	Repairing of furnace	Recurring		CCC
380	Buffing Wheel, Cutter	Recurring		As per requierement
	Fabrication of vacuum filteration unit	Recurring	MLP 231832	5 5
382	Thermocouples	Recurring	MLP 231832	
383	Poly(dimethylsiloxane)	Recurring	MLP 231832	
	Epoxy and Hardener	Recurring	MLP 231832	The part of an entrement
385	Cutting of samples	Recurring	MLP 231832	As per requirement
386	Control and saftey valves for CVD system	Recurring	MLP 231832	
387	Silicon O-rings	Recurring	MLP 231832	As per requirement
388	Temperature indicator	Recurring	MLP 231832	3 Nos
389	Thiophene	Recurring	MLP 231832	1 liter
390	Ammonia	Recurring	MLP 231832	2 liter
391	Membrane filter	Recurring	MLP 231832	One packet
392	Mica Sheet	Recurring	MLP 231832	As per requirement
393	Twizers	Recurring	MLP 231832	One set
394	Waxpol	Recurring	MLP 231832	20 Nos
395	Hand grinder	Recurring	MLP 231832	1
396	CD	Recurring	MLP 231832	100 Nos
397	Decaline	Recurring	MLP 231832	4 liter
398	Stainless steel fin mesh	Recurring	MLP 231832	As per requirement
399	Hydrofloric acid	Recurring	MLP 231832	2 liter
400	Release paper	Recurring	MLP 231832	100 unit
401	Silicon cork	Recurring	MLP 231832	50 Nos
402	Polyurethane	Recurring	MLP 231832	1 bag
	Nylon, PTFE cloth	Recurring	MLP 231832	
	CNT cleaning brush	Recurring	MLP 231832	' '
405	Miscellaneous - Emergent chemical, urgent	Recurring	MLP 231832	
	repairing, batteries, minor fabrication or job			T p z oqu cimone
	work, stationary, etc			
406	Customized Optics including cross correlator	Recurring	MMP 015201	1
	Dual Frequency Comb Based THz Comb. Consisting	Non-Recurring		
10,	of: optical Frequency Comb (02) with THz emitter			∠,±,∠,±
	and detectors: ORS-Mini Ultrastable Laser System			
	Beat Detection unit-02 Customized electronics			
	module including THz emitters, Detectors,			
408	2.4mm (Female) to Type N (Male)	Recurring	OLP 236432	1
	2.4mm (Male) to Type N (Female) connector	Recurring	OLP 236432	1
	1-1 (ividic) to 19pc iv (i ciliale) conficctor			-

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410	Type N (Female) to Type N (Male) connector	Recurring	OLP 236432	1
411	Type N (Male) to BNC (Female) connector	Recurring	OLP 236432	1
412	Standard Attenuators (N-Type)	Recurring	OLP 236432	1
413	Power Sensor cable	Recurring	OLP 236432	1
414	Pens, Notebooks, Measuring Tapes, Adhesives,	Recurring	HCP 0101	As Req.
	Folders, Ink, Envelopes, Stickers, Markers, Chalk,			·
	A4 Sheets (200-300 gsm). A4 sheets (70- 100			
	gsm), Chalk Board etc			
415	Color Ink & Cartridge for Printer	Recurring	HCP 0101	As Req.
416	Repair of computers, smart boards, chair, tables	Recurring	HCP 0101	As Req.
	etc			
417	Software for quiz creation, mentimeter etc	Recurring	HCP 0101	As Req.
418	Refreshments, Honorarium, Prize: Books,	Recurring	HCP 0101	As Req.
	Educational Kits for students, Guest House			
	Accommodation etc			
419	Gas line fittings for experiment demonstration	Recurring	HCP 0101	As Req.
	purpose			
420	Optics, Electronics etc components, Chemicals	Recurring	HCP 0101	As Req.
424	Chill and Elepholes Love de for a resident in translation	Nea Descripe	HCP 0101	A - D
421	Civil and Electrical work for maintaining class	Non-Recurring	HCP 0101	As Req.
422	rooms & Jigyasa Lab Laser interferometer	Non-Recurring	TSP 231232	5
		_	TSP 231232	
	Mechanical Bed*	Non-Recurring	TSP 231232	6
424	Microscopic High Resolution Camera and	Non-Recurring	137 231232	5
425	related accessories	Non-Recurring	TSP 231232	5
423	Laptop / Desktop / laser printer with Dual Monitor	Non-Necurring	131 231232	5
426	Optics, Mirrors, Mounts, base, base plate, Beam	Recurring	TSP 231232	1
	splitters, Lenses, Wires, connecting cables,			
	Electronic components, PZT, Soldering Iron,			
	Multimeter, various connectors, Cartridges etc.			
	,			
427	Lab consumables, muslin cloth, WD 40,	Recurring	TSP 231232	As Req.
	extension boards, Teflon tape, scotch tape, lab			
	slippers etc.)			
428	Chemicals: cleaning reagents, (isopropyl	Recurring	TSP 231232	As Req.
	alcohol, ethanol, methyl alcohol, Acetone etc.			
	Cleaning Tisstue papers			
429	Stationary items: Box files, ring folder, A4 size	Recurring	TSP 231232	As Req.
	papers etc.			
	Repairing of softening point equipment	Recurring	GAP 230332	1
	Repairing of fume hood	Recurring	GAP 230332	1
432	Repairing of furnace	Recurring	GAP 230332	3

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433	UPS system and batteries	Non-Recurring	TSP 180932	As per Req.
434	Ultra precision capacitance bridge	Non-Recurring	OLP 236632	1
435	Conductivity Meter	Non-Recurring	GAP 240332	1
	DC Power Supply (10 A)	Non-Recurring	GAP 240332	1
437	Digital overhead stirer	Non-Recurring	GAP 240332	1
438	Digital hot plate stirrer	Non-Recurring	GAP 240332	1
439	Waterbath with circulator	Non-Recurring	GAP 240332	1
440	Syringe filter, zip lock etc.	Recurring	GAP 240332	1
	Sulphuric Acid, Hexamethylenetetramine	Recurring	GAP 240332	1
''-	(HMTA), n-heptane, tri-iso-amyl phosphate	ricearring	6 / 2	-
	I			
	(TiAP), tri-n-butyl phosphate (TBP), n-Dodecane			
442	(n-DD) Mass comparator, 200 g, 1 micro gram	Non Pocurring	GAP 240232	1
442	Rheometer Testing Facility for viscosity	Non-Recurring Non-Recurring	GAP 240232	1
443	measurements	Non-Recurring	UAF 240232	1
444	Absolute Gravimeter Testing Facility	Non-Recurring	GAP 240232	1
	Refractive Index Testing Facility	Non-Recurring	GAP 240232	1
446	Guarded Hot plate Testing Facility	Non-Recurring	GAP 240232	1
	Moisture Testing Facility	Non-Recurring	GAP 240232	1
	(Moisture Analyzer & Forced convection oven)	Trem meeaning		_
448	Clinical thermometer Testing Apparatus	Non-Recurring	GAP 240232	1
449	Power Supply (AC)	Non-Recurring	GAP 240232	2
450	Photo current meter	Non-Recurring	GAP 240232	1
451	Luminance Meter	Non-Recurring	GAP 240232	1
452	Brinell Hardness Testing Machine	Non-Recurring	GAP 240232	1
453	Optical based Low Force sensor as a new	Non-Recurring	GAP 240232	1
	facility;Electro-optical components			
454	Ultrasonic Pulse Velocity Tester with suitable	Non-Recurring	GAP 240232	1
	transducers			
455	Phased array Ultrasonic Flaw Detector Testing	Non-Recurring	GAP 240232	1
	Facility			
456	Up-gradation of Microphone Calibration Facility	Non-Recurring	GAP 240232	1
	using Insert Voltage method in range 20 Hz to			
457	25 kHz Up-gradation of Acoustic Free-Field Calibration	Nan Barraia	GAP 240232	4
457	and Testing facility in frequency range of 125 Hz	Non-Recurring	GAP 240232	1
	to 20 kHz			
458	PVTt standard (primary gas flow standard)	Non-Recurring	GAP 240232	1
459	Electrometer	Non-Recurring	MLP 231932	1
	Aethalometer	Non-Recurring	GAP 161632	1
461	Nephelometer	Non-Recurring	GAP 161632	1
462	PVDF SYRINGE FILTER, 0.45 UM, 25 MM	Recurring	GAP 161632	2 pkt
463	NYLON SYRINGE FILTER, 0.43 OM, 23 MM	Recurring	GAP 161632	5 pkt
464		Non-Recurring		•
464	Gas Chromatograph		GAP 114732	1
405	Water bath with shaker	Non-Recurring	GAP 114732	1

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466	PM2.5 Sampler	Non-Recurring	GAP 114732	1
467	PM1.0 Sampler	Non-Recurring	GAP 114732	1
468	H2 Gas (GC)	Recurring	GAP 114732	15
469	H2 Gas (NMHC)	Recurring	GAP 114732	10
470	Zero Gas (GC)	Recurring	GAP 114732	25
471	Zero Gas (TOC)	Recurring	GAP 114732	5
472	N2 Gas (High purity)	Recurring	GAP 114732	3
473	N2 Gas (GC) Rinsing	Recurring	GAP 114732	10
474	N2 Gas (IC)	Recurring	GAP 114732	15
475	Gas Regulator (For N2 gas)	Recurring	GAP 114732	1
476	GLASS CUVETTE FOR UV-VIS	Recurring	GAP 114732	4
	SPECTROPHOTOMETER (SIZE- 2ML)			
477	POTASSIUM PHOSPHATE DIBASIC	Recurring	GAP 114732	4
478	POTASSIUM PHOSPHATE MONOBASIC	Recurring	GAP 114732	4
479	DL-DITHIOTHREITOL(DTT) SOLUTION	Recurring	GAP 114732	40
480	5-5 DITHIOBASIC (2-NITROBENZOIC ACID)	Recurring	GAP 114732	40
481	9,10-PHENANTHREQUINONE	Recurring	GAP 114732	20
482	SODIUM HYDROXIDE- EXTRA PURE 50% WEIGHT	Recurring	GAP 114732	5
	SOLUTION IN WATER			
483	METHANE SULPHONIC ACID (MSA), M.W. 96.10	Recurring	GAP 114732	5
484	Petri dish- 90*14 mm- 450 per pack	Recurring	GAP 114732	4
485	Petri dish- 140*16 mm- 136 per pack	Recurring	GAP 114732	3
486	VOC standard (25 species)	Recurring	GAP 114732	1
487	CHASSIS ASSY-NETLINK BOX	Recurring	GAP 114732	1
488	Detector for MIR9000	Recurring	GAP 114732	1
489	TISSUE QUARTZ 25 MM	Recurring	GAP 114732	10
490	N2 Gas	Recurring	GAP 210232	50
491	Gas Flow meter	Recurring	GAP 210232	10
492	6V DC pump	Recurring	GAP 210232	5

493	Consumables of Ion Chromatograph (KIT, PCB,	Recurring	GAP 210232	1
	MTR CNTRL/AUX for IC Auto Sampler			
	SP PROD, MEM, ASRS 300,4MM			
	SP PROD, MEM, CSRS 300,4MM			
	PROD, COL, IP, CS17,4X250MM			
	PROD, COL, IP, CG17,4X50MM			
	Dionex Combined Six Cation Std-II, 50mL			
	Dionex Combined Seven Anion Std I, 50mL			
	ASSY, BTL,2L, ELUENT			
	ASSY, BTL,4L,2PORT, HDPE			
	IonPac AS11-HC Analyt. Column, 4x250mm			
	IonPac AG11-HC Guard Column, 4x50mm			
	MANIF, 3-WY 1.5 MM,1/4-28 PORTS			
	FTG, ADPTR,1/4-28,F,LUER,NAT PP, RoHS			
	FTG, CPLR,10-32FX10-32F,.02"			
	FTG, NUT, FLNGLS,1/4-28X1/8 PK, RoHS			
	FTG, FER, FLNGLS,1/8 TFZL, ROHS			
	FTG, BOLT, 10-32,1/4 HEX, PEEK, NAT, ROHS			
	FTG, FER, DBL CONE, P-1)			

		1	1	
494	Consumables of Water purififcation system (CDRC00201 RO CARTRIDGE 2" 84219900	Recurring	GAP 210232	1
	ZF3000003 2" RO HOUSING ASSEMBLY			
	84212900			
	MX10X1X01 MX CARTRIDGE 1UM 10" 84219900			
	MX50X1X01 MX CARTRIDGE 5 UM 10"			
	84219900			
	PROGOTOS2 PROGARD TS2 84219900			
	TANKMPK01 PE TANK MILLIPAK FILTER			
	84212190			
	IPAKMETA1 IPAK Meta® polishing cartridge 84219900			
	IPAKQUAA1 IPAK Quanta® polishing cartridge 84219900			
	MPGP002A1 Millipak® 0.22µm filter 84219900			
	ZIQUVLPA1 ech2o oxidation lamp 85394900			
	ZFA10UVA1 ech2o A10 TOC lamp 85394900			
	ZF3000811 ATL Distribution Pump 84138190			
	FTB25720 SUREPRONG PUMP REPLACEMENT			
	KIT)			
495	NYLON SYRINGE FILTER, 0.22 UM, 13 MM	Recurring	GAP 210232	30 pkt
496	NYLON SYRINGE FILTER, 47MM 0.45uM 100/PK	Recurring	GAP 210232	2 pkt
497	PTFE, 25 MM, 1.0 UM	Recurring	GAP 210232	2 pkt
498	Power supply, incubator, waterbath, RO	Non-Recurring	HCP 52	1 each
499	workstation, Printer	Non-Recurring	HCP 52	1 each
500	Lab bench	Non-Recurring	HCP 52	3
501	WR-06 extension source	Recurring	MMP 015201	1
502	Mixer D band	Recurring	MMP 015201	1
503	Detector D band	Recurring	MMP 015201	2
	Standard Horn (WR 06) 25dB gain	Recurring	MMP 015201	2
505	Adapters, bias Tee, Joints	Recurring	MMP 015201	As Per Req.
506	Cables	Recurring	MMP 015201	As Per Req.
507	Controlling modules for RIS with chip scale RF	Recurring	MMP 015201	As Per Req.
	source, antenna printing materials and others			
	consumables			
508	Chemicals, Glassware, Plastic ware	Recurring	MMP 015201	As Per Req.

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509	Anti wires, computer/laptop consumables	Recurring	MMP 015201	As Per Req.
510	Repair of printer And ups	Recurring	MMP 015201	As Per Req.
511	Moveable wheel,sleeper,Top,Extension	Recurring	MMP 015201	As Per Req.
	board,Head phone			
512	Vector Network Analyzer (110GHz - 170GHz)	Non-Recurring	MMP 015201	1
	two port along with base unit, calibration kit,			
	adapter, enabled TDR option and appropriate			
	Cables. (Output power upto +5dBm or higher)			
513	Signal Generator with power (built in or	Non-Recurring	MMP 015201	1
	additional) amplifier (D band, 110GHz-170GHz)			
	with vector software			
514	Spectrum Analyzer (D band, 110GHz-170GHz)	Non-Recurring	MMP 015201	1
515	Furniture repairs	Recurring	MMP 015201	As Per Req.
516	Office furnishings	Recurring	MMP 015201	As Per Req.
517	Repair of ups	Recurring	MMP 015201	As Per Req.
518	Repair of printer	Recurring	MMP 015201	As Per Req.
519	To RIS reconfigurable surface with power supply	Recurring	MMP 015201	As Per Req.
	to control beamforming associated with D-Band			
	(Proposed 6G).			
520	Seminar/workshop/symposia/conference	Recurring	MMP 015201	As Per Req.
521	Expenditure for outsourcing activities such as	Recurring	MMP 015201	As Per Req.
	specialized design, lab work, workshop			
	assignments and many others work related to			
	projects.			
522	Flashcard for NTP server	Recurring	FBR 010307	as per requirement
523	Electronic boards, modules, minicomputers etc	Recurring	FBR 010307	as per requirement
524	RF cables, connectors, electrical/electronic	Recurring	FBR 010307	as per requirement
	accessories, optical fiber connectors, cables,			
	fiber spools, SFPs, etc			
525	Commercial software such as microsoft office	Recurring	FBR 010307	as per requirement
526	Computer consumables	Recurring	FBR 010307	as per requirement
527	Cutomized software development and other job	Recurring	FBR 010307	as per requirement
	works			
528	Data Server	Non-Recurring	FBR 010307	1
529	Rubidium Frequency Standard	Non-Recurring	GAP 231032	4
530	Data Server	Non-Recurring	GAP 231032	1
531	Ansys Academic Research Optics	Recurring	FBR 010302	One

532	Packing and transportation (including insurance)	Recurring	FBR 010302	One
	of Raman lidar and Portable equipment room			
	from CSIR-IHBT, Palampur to CSIR-NPL, New			
	Delhi and installation of Portable equipment			
	room at CSIR-NPL, New Delhi campus			
	, ,			
533	Photomultiplier tube with high volatege power	Recurring	FBR 010302	Two
	supply			
534	Amplifier discriminator	Recurring	FBR 010302	Two
535	Polarization beam cube splitter with mount	Recurring	FBR 010302	One
536	355 nm narrow band interference filter	Recurring	FBR 010302	One
537	Beam expander	Recurring	FBR 010302	One
538	Stepper motorized highly reflective mirror	Recurring	FBR 010302	One
539	Highly Reflecting mirrors, lenses, dichroic	Recurring	FBR 010302	As per requirement
	mirrors, iris/orifice etc.			
540	Optomechanical components	Recurring	FBR 010302	As per requirement
541	Controller for motorized rotation stage	Recurring	FBR 010302	One
542	Fabrication of optical box for 3D scanning lidar	Recurring	FBR 010302	One
543	Microsoft visual studio	Recurring	FBR 010302	One
544	Electronic components	Recurring	FBR 010302	As per requirement
545	Optical components	Recurring	FBR 010302	As per requirement
546	Accessories for 3D scanning lidar	Recurring	FBR 010302	As per requirement
547	Printer cartridges for hp1002	Recurring	FBR 010302	Two
548	355 nm pulsed laser source	Non-Recurring	FBR 010302	1
549	Miscellneous glasswares	Recurring	HCP 53	2
550	Hydrothermal bomb	Recurring	HCP 53	2
551	Repair of electrochemical workstation along	Recurring	HCP 53	1
	with spares			

UPDATED AS ON JULY 01, 2024

^{*}The publication of this list shall not be construed as initiation of a procurement process and cast anyobligation on CSIR-NPL to issue the bidding document or confer any right on prospective bidders (Rule 144(x)of GFR 2017).