

REQUIREMENTS UNDER DFSL MIZORAM 2022-2023

GLASSWARES & EQUIPMENTS

Sl.No	Name of Item	Specifications	Qty
1	Rotary Pump oil for GCMS	1 L	1
2	Gas Chromatograph Syringe for Autosampler	365D1091, 10 μ L, 50mmM	2
3	Helium Gas Refill	Purity 9.99%, UHP Grade, 7.00 cum	2
4	Disposable Gloves	Non-Sterile	10 boxes
5	Disposable Surgical Mask	3 Ply	5 boxes
6	Cliklok Micro Centrifuge Tubes	2 mL	5 boxes
7	Cliklok Micro Centrifuge Tubes	5 mL	10 boxes
8	Filter Paper Qualitative Circles	125mm, 1001125 Whatman	5 boxes
9	Petridish	125 mm, Glass	12
10	Utility Tray	320x260x100mm, 6/pack	1
11	Eppendorf Micropipette	1-10mLm for GCMS &HPLC	2
12	Syringe-Driven Filters	Nylon 66, hydrophylic membrane, 25mm dia, 0.22 μ pore size	2
13	Separating Funnel	Pear-shaped, 1000mL (Borosil)	10
14	Conical Flask with ic joints	500mL (Borosil)	10
15	Pyknometer with ptfe stopper	10 mL	10
16	Volumetric Flask	502 mL (Borosil)	10
17	Dropper	Plastic (Tarsons)	1 box
18	Pasteur Pipette	Borosil	10
19	Micro Pipette Stand	Tarsons	1
20	Test Tube Stand	20 holes, 20 mm size (Tarsons)	1 box
21	Silicone Grease/Vaseline	500 g (HiMedia)	1
22	Activated Charcoal powder	500 g (Merck)	1
23	Tongs for crucible	10 inch	5
24	Plastic gallon with tap	20 L	1
25	Steel Almirah	Godrej, 6.5 ft	1
26	Webcam for Destop Computers	1080p, 30 fps, minimum 2.1 MP camera	8
27	Window 10 Key		14
28	Microsoft Office Key		15

29	Inklet Colour Printer (multifunction device)	Print, Scan, Copy - Paper Size A4 with ADF Printer Printing Method : PrecisionCore™ Print Head or similar technology Print Speed (B/W) : 37ppm Print Speed (Color) : 23ppm Print Resolution : 4,800 DPI Duplex Printing : Yes (A4, plain paper) COPY Maximum Copies : 99 Copy Speed : A4 (Black/Colour), Flatbed - Simplex: Up to 12 ipm / 6 ipm A4 (Black/Colour), ADF - Simplex: Up to 10 ipm / 4.5 ipm SCAN Scanner Type : Flatbed colour image scanner with Automatic Document Feeder (ADF) Scan Speed Monochrome : 200 dpi - Flatbed: Up to 12 sec / ADF: Up to 6 ipm Colour 200 dpi - Flatbed: Up to 27 sec / ADF: Up to 5 ipm Optical Resolution 1200 x 2400 dpi Maximum Scan Area 216 x 297 mm	1
30	Photocopier/Xerox Machine		1
31	Soldering SMD BGA Rework station	Technical Parameters: Rated voltage: AC 220V±10% 50Hz Temperature correction type: PID digital program Hot Air Gun Parameters: Output power: 650-750W Temperature range 100°C~480°C Airflow type: Brushless fan Air Flow: 120L/min Temperature Stability: ±1°C (static) Different size Nozzles Soldering Iron Parameters: Output power: 75W Temperature range 200°C~480°C Temperature Stability: ±1°C (static) Pre-heater platform Output power: 600W Pre-heating platform area: 120X120mm Pre-heating platform material: Ceramic heating material Temperature range: 50°C--350°C	1

32	Multimeter	AC/DC voltage, resistance, capacitance, frequency measurement Voltage: DC: 600 volts; AC: 600 volts; DC Accuracy: $\pm 0.5\% + 3$ digit; AC Accuracy: $\pm 1\% + 3$ digit Current: DC: 10 amps; AC: 10 amps; DC Accuracy: $\pm 1.5\% + 3$ digit; AC Accuracy: $\pm 1.5\% + 3$ digit Resistance: 40 M ohm; Resistance Accuracy: $\pm 1.5\% + 3$ digit Capacitance: 1000 μ F; Capacitance Accuracy: $\pm 5\% + 5$ digit	1
33	Anti-static heat resistant mat	3 x 1.5 feet, 1.5 mm thick	1
34	Adjustable LED Table Lamp	LED Lamp with adjustable / flexible stand	1
35	Solder fumes extractor/absorber	Air Filter Exhaust Fan Ventilation System, Portable, Adjustable Angle with Activated Carbon Filter for Soldering Bench Top Work Station	1
36	Long needle nose mini pliers	Padded Grip 1) Straight Nose (1408) x 1 2) Bent Nose (1409) x 1	2
37	Wire stripper & cutter	130 mm	1
38	Headphones for analyzing audio forensics	Closed back, low impedance (approximately 32 ohms), 40-45 mm dynamic drivers, frequency response 5 Hz - 35,000 Hz, cable minimum, Sensitivity 96 DB @ 1 KHz, 1.5 meters	1
39	PCB Holder / 3rd Helping Hand Soldering Clamps	Adjustable Alligator Clip Clamps, LED Magnifying Glass Lens Workstation Light Battery Powered, Magnifier Tool 3.5x & 12X with	1
40	Desoldering pump	ESD Safe, Antistatic, Material ABS Plastic	1
41	Anti Static Brushes	Set of various types	1
42	4 TB Internal HDD SATA	HDD - SATA 6 Gb/s, 256 MB Cache, 3.5"	1
43	2 TB Internal HDD SATA	HDD - SATA 6 Gb/s, 256 MB Cache, 3.5" with one (1) SATA cable	1
44	WiFi Router	WiFi 6, AX1500, MU-MIMO, Speeds up to 3 Gbps	1
45	Blank Compact Disc (CD-R)	50 pack - 700 MB capacity	5
46	Blank Digital Versatile Disc (DVD-R)	50 pack - 4.7 GB capacity	5
47	Blank BluRay Disc (BD-R)	25 pack - 25 GB capacity	1
48	Soldering Lead	Lead free solder wire, 50 gms roll 1) 0.5 mm x 4 2) 1 mm x 4 3) 1.5 mm x 4	12
49	Electronic Contact Cleaner Spray / PCB Cleaner	500 ml	4
50	Flux Soldering Paste	10 - 20 gm	4
51	Desoldering wick	2.5 mm, 1 meter length	2
52	Soldering Bit Tip Cleaner	Solder Iron Tip Cleaner Steel Wire	1
53	Hinge Lifter 1.5"x2" (Technomaxx)	White Background (24/pack)	40

54	Hinge Lifter 2" x 4" (Technomaxx)	White Background (24/pack)	60
55	Hinge Lifter 4" x 4" (Technomaxx)	White Background (24/pack)	10
56	Refrigerator	190 L, Single Door	1
57	Pipette Tips		
	a) 0.2 - 10 uL	1000/pack	5
	b) 2-200 uL	1000/pack	4
	c) 200-1000 uL	500/pack	2
	d) 1mL - 10mL	1 pack (compatible with thermoscientific)	1
58	Micro centrifuge tubes	1.5 mL; flat cap; snaplock	1
59	PSA test kit	10/pack	10
60	MicroAmp Reaction tubes with caps	0.2 mL; 1000 PCR tubes	1
61	FTA mini Card	100 pieces/box	1
62	FTA Card puncher	1.2 mm	1
63	FTA card cutting mat	For cutting FTA card	1
64	Timer	Lab Timer	3
65	Nitrile Gloves (powder free glove)	size 6 , 100 pieces/box	2
66		size 7, 100 pieces/box	3
67	Plate centrifuge	96 well x 0.2mL plate	1
68	Micro pipette		
	a) 0.5 uL - 10 uL	autoclavable	1
	b) 20 uL - 200 uL	autoclavable	1
69	USB PenDrive	16 GB	15