



**Institution of Eminence Cell  
Indian Institute of Technology Bombay**

**RIFC: Round 1**

**Facilities Currently Available**

Sr. no.	Items	Contact Person	Department
1	Laser diode 405nm,AOTF Interface 8 Channel LSM 710	Prof.Santanu K. Ghosh	Biosciences and Bioengineering
2	Laser 405nm 50mW,Laser 638nm 75mW,Beam Combiner for laser 405nm,Beam Combiner for laser 640nm,Dichroic mirror module for CSU-X1, empty,RQFT 405+488+561+640(13X15X0,5),Emission filter BP 485/30,Emission filter BP 690/50,Plan-Apochromat 100x/1.4 oil	Prof.Debjani Paul	Biosciences and Bioengineering
3	INDUCTIVELY COUPLED PLASMA–MASS SPECTROM	Prof.S Chandra Patel	Earth Sciences
4	Multi-mat 3D Printer	Prof.Dipti Gupta	Metallurgical Engineering and Material Sciences
5	Upgradation of Geochemistry Lab	Prof.S Chandra Patel	Earth Sciences
6	Microwave Digestor	Prof.S Chandra Patel	Earth Sciences
7	DNA/RNA Synthesizer	Prof.P Kumar P. I.	Chemistry
8	Peptide Synthesizer,UPS for Peptide Synthesizer	Prof.P Kumar P. I.	Chemistry
9	HPLC System	Prof.P Kumar P. I.	Chemistry
10	Freezer Dryer	Prof.P Kumar P. I.	Chemistry
11	Gel Electrophoresis System	Prof.P Kumar P. I.	Chemistry
12	Multiplexed Imaging Cell Analysis System	Prof.Shobhna Kapoor	Chemistry
13	Multidrive Rheometer,Temperature control system,Measuring systems and fixtures,RHEOMETER SOFTWARE,Microscopy accessories,Sals,UV Curing cell,PIV,Dielectric Accessories,Magneto Rheology Device,Electro Rheology Device,Powder Rheology Cell,High pressure cell,Interfacial Rheology Cell,Immobilization cell	Prof.Jyoti R. Seth	Chemical Engg
14	UHPLC-High Resolution Mass Spectrometer,UHPLC-Triple Quadrupole Mass Spectromete	Prof.Suparna Mukherji	Environmental Science and Engineering
15	1.7 mm variable temperature triple-reson	Prof.Anindya Dutta	Chemistry

16	Refrigerated Centrifuge	Prof.P Kumar P. I.	Chemistry
17	Strain Controlled Rheometer,Orthogonal Superposition (OSP),Linear Dynamic Mechanical Analysis (DMA),Interfacial accessories,High Temperature Accessoires,AMC	Prof.Jyoti R. Seth	Chemical Engg
18	3-Axis Angular Motion Simulator,AMC for 3 years	Prof.Arnab Maity	Aerospace Engg
19	Liquid Nitrogen Plant	Prof.Shankar Krishnan	Mechanical Engg
20	UPS FOR ICP-MS	Prof.S Chandra Patel	Earth Sciences
21	Pressure Vessel	Prof.S Chandra Patel	Earth Sciences
22	Capillary Rheometer,Low Temperature	Prof.Jyoti R. Seth	Chemical Engg
23	Closed cycle 12T Superconducting magnet,1.5k Mechanical Rotator probe,Helium 3 Insert,Pumping accessories,Pumping station,Water chiller,20KV <sub>a</sub> UPS	Prof.Avradeep Pal	Metallurgical Engineering and Material Sciences
24	Closed cycle 12T Superconducting magnet,1.5k Mechanical Rotator probe,Helium 3 Insert,Pumping accessories,Pumping station,Water chiller,20KV <sub>a</sub> UPS	Prof.Avradeep Pal	Metallurgical Engineering and Material Sciences
25	Air Compressor for 400 NMR,Compressor Dryer for 400 NMR Spectromete	Prof.Anindya Dutta	Chemistry
26	LN <sub>2</sub> Liquid Nitrogen Container	Prof.Anindya Dutta	Chemistry
27	Switches & Cable assembly,Packing Only	Prof.Avradeep Pal	Metallurgical Engineering and Material Sciences
28	Breakout Box,Packing Only	Prof.Avradeep Pal	Metallurgical Engineering and Material Sciences
29	Delta Ultron 20 KVA UPS,M S Battery Rack for UPS Battery	Prof.Anindya Dutta	Chemistry
30	65 AH Battery	Prof.Anindya Dutta	Chemistry
31	Double conversion true online UPS,Stand & interlinks cables	Prof.Jyoti R. Seth	Chemical Engg
32	Interactive Digital Source Meter	Prof.Avradeep Pal	Metallurgical Engineering and Material Sciences
33	Lockin Amplifier	Prof.Avradeep Pal	Metallurgical Engineering and Material Sciences
34	Summing Module	Prof.Avradeep Pal	Metallurgical Engineering and Material Sciences
35	PXIe Chassis,Chassis power cord,Chassis rack mount,Chassis accessories,PXIe analog output module,Terminal block for analog output module,PXIe SMU, SMU triaxial adapter,SMU banana jack adapter,SMU terminal block accessory,GPIB cable – 2m,NI GPIB USB HS+,Reverse GPIB cable adapters,Reverse slimline GPIB cable adapters	Prof.Avradeep Pal	Metallurgical Engineering and Material Sciences
36	DMM 6500,7078-TRXBNC,BNC-BNC Cable,BNC to Banana Cable	Prof.Avradeep Pal	Metallurgical Engineering and Material Sciences
37	22GHz low-noise wideband microwave gen	Prof.Avradeep Pal	Metallurgical Engineering and Material Sciences

38	Gigabyte H310M H Motherboard, Intel 8th Gen i7 8700, 3.20 GHz up t....., Ram 16gb DDR4 2666 mhz for desktop, 1TB SSD, corsair VS550 smps, Corsair Cabinet Spec 01, LOGITECH M100 MOUSE, Dell 22" Monitor, Zotac GeForce® GT 730 4GB DDR3 Zone ....., TP-LINK 300Mbps Mini Wireless N USB ....	Prof. Avradeep Pal	Metallurgical Engineering and Material Sciences
39	12V, 100 AH Battery, Delivery & Installation Charges	Prof. Jyoti R. Seth	Chemical Engg
40	UPS (online) of 1KVA with 30 mnts back up	Prof. P Kumar P. I.	Chemistry
41	Anti vibration mount	Prof. Avradeep Pal	Metallurgical Engineering and Material Sciences
42	TEM based Local Orientation and Strain	Prof. Indradev Samajdar	Metallurgical Engineering and Material Sciences
43	Single Tilt Heating Holder, Single Tilt Straining Holder	Prof. Indradev Samajdar	Metallurgical Engineering and Material Sciences
44	GDOES, Accessories, Necessary spares, AMC for 1st years, AMC for 2nd years, AMC for 3rd years, AMC for 4th years, AMC for 5th years, AMC for 6th years, AMC for 7th years	Prof. V S Raja	Metallurgical Engineering and Material Sciences
45	16A 6 pin socket outlet pt. with 2 nos., 6A 6 pin socket outlet pt. with 2 nos., 2, 20A Industrial MCB Socket with Top, 4 Core x 16 sq. mm., PVC Insulated Copper, 4 Core x 10 sq. mm., PVC Insulated Copper, 4 Core x 6 sq. mm., PVC Insulated Copper C, Providing and laying 8 SWG GI STRIP fo, 4 Core x 16 sq. mm., PVC Insulated Copper, 4 Core x 10 sq. mm., PVC Insulated Copper, VTPN DB with provision for (8-Way), 12 way, Double door DB With 32 Amp DP, 412way, Double door DB With 40 Amp DP	Prof. Suparna Mukherji	Environmental Science and Engineering
46	Physical Property Measurement system	Prof. M Ramaswamy	Chemistry
47	React IR In situ FT- IR Spectroscopy	Prof. G K A Nath Lahiri	Chemistry
48	APC Offline UPS ( BE700YIN), Dell 24" LED - Model E2418hn	Prof. Mukta Tripathy	Chemical Engg
49	A) FIRE PUMP HOUSE, B) SPRINKLER SYSTEM, C) FIRE ALARM SYSTEM, D) PUBLIC ADDRESS SYSTEM, E) FIRE EXTINGUISHER, F) CFO approval charges	EMD/HOSTEL	EMD/HOSTEL
50	Renovation work in N5 bay	ESTATE WORKSHOPS	ESTATE WORKSHOPS
51	LCR meter	Prof. Jyoti R. Seth	Chemical Engg
52	Super Resolution (SR) Microscope with ST, AMC, CMC	Prof. Santanu K. Ghosh	Biosciences and Bioengineering
53	Super Resolution (SR) SIM or Multipoint, AMC, CMC	Prof. Santanu K. Ghosh	Biosciences and Bioengineering
54	TG-DTA/Photoionization mass spectrometer	Prof. Sanjog Nagarkar	Chemistry
55	Gas and Solvent Sorption Analyser	Prof. Kamendra P. Sharma	Chemistry
56	Isothermal Titration Calorimeter	Prof. Rohit Srivastava	Biosciences and Bioengineering
57	Multi Angle Dynamic Light Scattering S	Prof. Rohit Srivastava	Biosciences and Bioengineering
58	Disposable plate D-PP08/AL/S07, Shaft for Disposable Measuring System, Disposable Plate D-PP50/AL/P2/S07, Disposable Plate D-PP25/AL/P2/S07, Disposable Plate D-PP08/AL/P2/S07, Shaft for Disposable Measuring System D-, C-ETD160/ST Electr. Heated/Liquid Cooled, Inset I-PP50/SS	Prof. Jyoti R. Seth	Chemical Engg

59	Split AC 2TR, 5 star 2020,Installation and commissioning	Prof.Dipti Gupta	Metallurgical Engineering and Material Sciences
60	Differential Scanning Calorimeter	Prof.Anindya Dutta	Chemistry
61	CHRONOVISOR HRV-Dx EDU SYSTEM	Prof.Sapar Narayan Rao	SOM
62	Eye Tracker - Screen Version	Prof.Sapar Narayan Rao	SOM
63	Direct RT v2020 basic & addl 3 licences,Media Lab v2020 basic & addl 3 licences	Prof.Sapar Narayan Rao	SOM
64	OPC server	Prof.Shankar Krishnan	Mechanical Engg
65	Cylinder mounting bracket- 1 cylinder,S.S braided pigtail,High pressure gas manifold system,1/8" SS tubing,PVC casing caping for above tubing,1/8" Gas Purification & Control Pannel",1/8" Gas purification & control panel,1/8" Gas purification & control panel,1/8" Gas Purification & Control Pannel,1/8" Gas Purification & Control Pannel",1/8" "Gas Purification & Control Pannel",1/8" Gas Purification & Control Pannel,1/8" Gas Purification & Control Pannel,1/8" Inline Micron filter,1/8" Gas distribution panel,1/8" Toggle Valve,Standard fittings	Prof.Kamendra P. Sharma	
66	Cylinder cage for 13 cylinder with MS,Installation charges,GAS EQUIPMENT STANDERD FITTING	Prof.Kamendra P. Sharma	Chemistry
67	Split AC 1.5 TR	EMD AC and DG	EMD
68	Vacuum Pumping System Model VS-114D	Prof.M Ramaswamy	Chemistry
69	HINDHIVAC direct drive Rotary Vacuum pum,High Pressure Pirani Gauge,Digital Penning Gauge with single gauge	Prof.M Ramaswamy	Chemistry
70	Thermocopuple for temperature measuremen	Prof.M Ramaswamy	Chemistry
71	Quintix Semi Micro Balance for PPMS	Prof.M Ramaswamy	Chemistry
72	delta 6kva UPS,42AH*16 battery set,rack with links and cable	Prof.Sanjog Nagarkar	Chemistry
73	100AHx20 battery set	Prof.Sanjog Nagarkar	Chemistry
74	Delta 15KVA EH (3phase:1phase)	Prof.Sanjog Nagarkar	Chemistry
75	DE- HUMIDIFIER ? MAKE ? ORIGIN ? MODLE ?	Prof.M Ramaswamy	Chemistry
76	Customization of the old Room Installati	Prof.M Ramaswamy	Chemistry
77	2.0 TR SPLIT AIR CONDITIONER,INSTALLATION&COMMISIONING,COPPER PIPING CHARGES,CABLE WIRING CHARGES,CONDENSOR UNIT STAND,DRAIN PIPE INDOOR TO OUT DOOR	Prof.M Ramaswamy	Chemistry
78	Elect work at N5 Bay	EMD ACAD/FIREFIGHG	EMD
79	400 MHz NMR Spectrometer	Prof.Anindya Dutta	Chemistry
<b>Following Facilities are being Commissioned</b>			
1	Ace Full Back,Ace Headrest,Finnesse Table-5026+ ERU 3616,NOVA PED 390WX435DX646HT,3DR=2B+1F	Prof.Saurabh Lodha	Electrical Engg
2	Compressor Adsorber Sumitomo C10-030,Packing Only	Prof.Avradeep Pal	Metallurgical Engineering and Material Sciences

3	SUMITOMO F-70 COMPRESSOR INLINE FILTER,Packing Only	Prof.Avradeep Pal	Metallurgical Engineering and Material Sciences
4	Cryogenic device tester	Prof.Avradeep Pal	Metallurgical Engineering and Material Sciences
5	DELL 24" MONITOR P2419	Prof.Mukta Tripathy	Chemical Engg
6	Low pass Inline filter	Prof.Avradeep Pal	Metallurgical Engineering and Material Sciences
7	Spark Plasma Sintering Furnace	Prof.Ashutosh S Gandhi	Metallurgical Engineering and Material Sciences
8	Shake Table with Servo Hydraulic Actuator	Prof.BVS viswanadham	Civil Engineering
9	EMPTY HELIUM CYLINDER OF 46.7 LTR,HELIUM GAS HAVING PURITY 99.999%,DOUBLE STAGE SS REGULATOR	Prof.M Ramaswamy	Chemistry
10	Double Stage SS Regulator	Prof.M Ramaswamy	Chemistry