



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

Sustainable Chemical Sciences

Facilities Currently Available

Sr. no.	Items	Contact Person	Department
1	Magnetic Property Measuring System (MPMS)	Prof. Anindya Dutta	Chemistry
2	Stopped-Flow Fluorescence Spectrometer	Prof. Anindya Dutta	Chemistry
3	Fully automated Robotic Station	Prof. Anindya Dutta	Chemistry
4	Microwave Synthesizer	Prof. Anindya Dutta	Chemistry
5	Preparative HPLC	Prof. Anindya Dutta	Chemistry
6	GPC HPLC SYSTEM	Prof. Anindya Dutta	Chemistry
7	400 MHz NMR Spectrometer	Prof. Anindya Dutta	Chemistry
8	TLC Mass Spectrometer	Prof. Anindya Dutta	Chemistry
9	Wide angle XRD System with HT Setup	Prof. Arindam Sarkar	
10	High Field NMR 600 MHz Spectrometer	Prof. Anindya Dutta	Chemistry
11	Gel Scanner	Prof. Anindya Dutta	Chemistry
12	Spectrofluorimeter with Temperature Cont	Prof. Anindya Dutta	Chemistry
13	Super Critical Dryer	Prof. Anindya Dutta	Chemistry
14	Optical Microscope	Prof. Anindya Dutta	Chemistry
15	Weighing Balance	Prof. Anindya Dutta	Chemistry
16	Nanoparticle Tracking Analysis (NTA),AMC for 1st year,AMC for 2nd year	Prof. R Bandyopadhyaya	
17	High Resolution MALDI_ TOF Mass Spectrome	Prof. Anindya Dutta	Chemistry

18	Calibration kt, (PS),S-M-10,1/pk,PLgel 5um MIXED-D 300 x 7.5 mm,PLgel 5um Guard 50 x 7.5 mm	Prof. Anindya Dutta	Chemistry
19	Long life Xenon lamp module	Prof. Anindya Dutta	Chemistry
20	Labour Charges Xenon lamp Installation	Prof. Anindya Dutta	Chemistry
21	intel core i7 12700k Gen Processor,ASUS H610 supported 12 gen,Cooler Master H410R RGB Heat Sink Air Co,16 DDR4 RAM Corsair Vengeance,512 GB M.2 NVME SSD,Cooler Master K501L RGB Cabinet,Cooler Master 550w Power supply,Logitech MK 120 keyboard and mouse,Dell 22 inch Monitor	Prof. Anindya Dutta	Chemistry
22	Numeric (Legrand) Make HP MAX 20 kVA	Prof. Anindya Dutta	Chemistry
23	Exide Make 65 AH SMF Battery	Prof. Anindya Dutta	Chemistry
24	Isolation Transformer for 20 kVA UPS	Prof. Anindya Dutta	Chemistry
25	PL aquagel-OH MIXED-H 8um 300 x 7.5mm,PL aquagel-OH Guard 8um 50 x 7.5 mm, EasiVial PEG/PEO 2 ml	Prof. Anindya Dutta	Chemistry
26	Honeycomb Tabletop	Prof. Anindya Dutta	Chemistry
27	Passive Vibration Isolation Support	Prof. Anindya Dutta	Chemistry
28	delta 6kva UPS,42AH*16 battery set,rack with links and cable	Prof. Anindya Dutta	Chemistry
29	delta 6kva UPS,42AH*16 battery set,rack with links and cable	Prof. Anindya Dutta	Chemistry
30	delta 6kva UPS,42AH*16 battery set,rack with links and cable	Prof. Anindya Dutta	Chemistry
31	PLgel 5um MIXED-C 300 x 7.5 mm,PLgel 10um 500A 300 x 25 mm,PL aquagel-OH MIXED-M 8um 300 x 7.5 mm,PL aquagel-OH 30 8um 300 x 25 mm	Prof. Anindya Dutta	Chemistry
32	Delta 6KVA,42AHx16 battery set,Rack	Prof. Anindya Dutta	Chemistry
33	Delta 6KVA,42AHx16 battery set,Rack	Prof. Anindya Dutta	Chemistry
34	drytech- drypact modular air dryer	Prof. Anindya Dutta	Chemistry
35	2.0 TR SPLIT AIR CONDITIONER,INSTALLATION&COMMISIONING,COPPER PIPING CHARGES,CABLE WIRING CHARGES,CONDENSOR UNIT STAND,DRAIN PIPE	Prof. Anindya Dutta	Chemistry

36	Regulator for Helium Cylinder 47 Ltrs, Helium gas	Prof. Anindya Dutta	Chemistry
37	Helium Cylinder 47 Ltrs for PPMS & MPMS, Helium gas, regulator for he gas	Prof. Anindya Dutta	Chemistry
38	Customization of the old Room for Instal	Prof. Anindya Dutta	Chemistry
39	2.0 TR SPLIT AIR CONDITIONER, INSTALLATION & COMMISSIONING, COPPER PIPING CHARGES, CABLE WIRING CHARGES, CONDENSOR UNIT STAND, DRAIN PIPE INDOOR TO OUT DOOR	Prof. Anindya Dutta	Chemistry
40	Delta RT 10KVA (3phase:3phase/1phase), Battery Rack with links with fuse a	Prof. Anindya Dutta	Chemistry
41	65AHx18 battery set with 2 year warranty	Prof. Anindya Dutta	Chemistry
42	alignment for machine	Prof. Anindya Dutta	Chemistry
43	ESI High Resolution Mass Spectrometer	Prof. Anindya Dutta	Chemistry
44	PLgel 3um MIXED-E 300 x 7.5 mm, PLgel 3um Guard 50 x 7.5 mm	Prof. Anindya Dutta	Chemistry
Following Facilities are being Commissioned			
1	Atomic Force Microscopy (AFM)	Prof. Anindya Dutta	Chemistry
2	Automated Oligosaccharide Synthesizer	Prof. Anindya Dutta	Chemistry
3	TAP-KPC multi-experiment base platform, TAP-SSE control and data acquisition sys, TAP-SSE control and data acquisition sys, Vacuum equipment, gas blending system, m	Prof. R. Murugavel	Chemistry
4	Scroll Free Air Compressor Dryer	Prof. Anindya Dutta	Chemistry
5	Liquid Helium for 400 MHz NMR Spectromet	Prof. Anindya Dutta	Chemistry
6	Robotic Colony Picker	Prof. Sarika Mehra	Chemical Engg.
7	Scroll Free Air Compressor Dryer	Prof. Anindya Dutta	Chemistry