

## Charges for the users of the equipment's maintained at USIC♦

S No	Name of the Equipment	Status	Charges in Rs.		
			Internal	External (Academic) + 18% GST	External (Industries etc.) + 18% GST
1.	Raman Spectroscopy with temperature variation (Charges for RT)	Working	80 per sample/390 per Hr. for RT	1200 per hr for RT	2500 per hr for RT
2.	FTIR spectroscopy	Working	30 per sample/160 per hr	600 per hr.	1200 per hr.
3.	NMR (Liquid) (Proton, Carbon* & multi nuclei*)	Working	10/sample for proton 20/sample for carbon	250/sample for proton 500/sample for carbon	400/sample for proton 600/sample for carbon
4	MAS NMR (Solid)	Working	325 per hr	1500 per hr	2500 per hr
5.	LN <sub>2</sub> (Supply)	Purchased from outside	20 per liter	Not for external users	
6.	Vibrating Sample Magnetometer	Working (RT)	325 per hr	1000 per hr	2000 per hr
7.	Scanning electron Microscope (SEM) with EDAX (with coating)	Working	100 per sample 325 per hr	1500 per hr	2500 per hr
8.	CHNSO elemental analysis <sup>#</sup>	Working	195 per sample	1000 per sample	2000 per sample
9.	Circular Dichroism Spectroscopy	Working	65 per hr	250 per hr	500 per hr
10	Up Conversion Spectroscopy	Working	130 per hr	1000 per hr	2000 per hr
11	Confocal Microscopy	Working	325 per hr	1000 per hr	2000 per hr
12	Ultracentrifuge	Working	65 per hr	Not for external users	
13	Impedance Spectroscopy	Working	130 per hr	500 per hr	1500 per hr
14.	FESEM with EDAX (with coating)	Working	160 per sample or 650 per hr	2000 per hr	4000 per hr
15	TGA-DTA	Working	65 per hr	300 per hr	1000 per hr
16	Modulated Differential Scanning Calorimetry (MDSC)	Working	325 per hr	1500 per hr	3000 per hr

17	Powder XRD*	Working	20 per sample (@RT) or 65 per hr 325 per hr (HT)	500 per sample (@RT) 1000 per hr (HT)	1000 per sample (@RT) 2000 per hr (HT)
18	High resolution mass spectrometer (HRMS)	Working	65 per sample	800 per sample	1500 per sample
19	Time Resolved Fluorescence Spectroscopy	Working	325 per hr 20 per sample	1000 per hr 250 per sample	2000 per hr. 1000 per sample
20	Millipore	Working	Deionized: 10/lit Ultra-pure: 25/lit	Not for external users	
21	Single Crystal X-Ray Diffractometer	Working	1000 sample	3000 sample	
22	Flow Cytometer Cell Sorter	Working	50 for Analysis 100 for Cell sorter	50 for Analysis 100 for Cell sorter	300 for Analysis 500 for Cell sorter
23	UV Vis Spectrophotometer Liquid	Working	40 per sample	250 per sample	350 per sample
24	UV Vis Spectrophotometer Solid	Working	50 per sample	300 per sample	400 per sample
25	BET Surface Area Analyser	Working	1000 per sample	2000 per sample	3000 per sample
26	Dynamic Mechanical Analyser (DMA)		800 per hr	1200 per hr	2500 per hr
27	Laser Based Photoluminescence Spectroscopy	Working	50 per sample	300 per sample	400 per sample

\*These charges are subject to correction and USIC has every right to revise the charges depending upon the running cost of the instrument.

\***Carbon & multi nuclei:** The charges mentioned above corresponds to one sample with 512 scans. More than 512 scans, charges would be counted with multiplication (e.g.: 512, 1024, 1536 and so on)

#includes consumables

\*Typical scan range  $2\theta = 10$  to  $80^\circ$  with  $2^\circ$  per minute