

## LIST OF MAJOR EQUIPMENT at CAI and THEIR TARIFF for MEASUREMENT

S.No	Instrument	Method (if any)	TARIFE	
			Ext. Acad	Industrial
1	400 MHz Nuclear Magnetic Resonance (NMR) Spectrophotometer	Proton	500	1000
		C-13	1000	2000
		Other Nuclide	1500	3000
		Solid State	500	1500
2	X-Band Electron Spin Resonance(ESR) Spectrometer	RT(Solid)	200	500
		RT(Solution)	300	1000
		Variable Temp	600	2000
3	Liquid Chromatography- High Resolution Mass Spectrometer (LC- HRMS)		300	1200
4	Scanning Electron Microscope (SEM)	Solid	100	100
5	UV-VIS-NIR Spectrometer	Vis-NIR	100	500
		UV-Vis-NIR	200	1000
		Variable Temp	500	2000
		Stopped-Flow	1000	3000
6	Wide Range Fluorescence Spectrophotometric Workstation	Fluorimetry	200	500
		Life Time	400	1000
		Spectrum	200	1000
7	Inductively Coupled Plasma Optical Emission Spectrophotometer (ICP-OES)	Single Element	200	1000
		Multiple Element	300	1500
		Emission Spectrum	200	1200
8	Circular Dichroism-Optical Rotatory Dispersion (CD-ORD) Spectrometer	CD	200	500
		ORD	300	1000
		Fluorescence	500	1500
9	Universal Testing Machine (UTM)	Single Method	300	1000
		Multiple Methods	Pro-Rata	Pro-Rata

### Legend

- Ext.Acad.: Samples recorded for academic Institutions other than NIT Warangal
- Variable Temp.:Samples recorded in Variable Temperature mode using either Circulatory Cryostatic Bath or peltier Cooling Zone or Heater; RT: Room Temperature(Ambient Temperature, i.e, teh current chamber temperature)
- X-Band:Adsorption of X-Band of the Microwave region of the electromagnetic Spectrum(i.e.,9 to 10 GHz Frequency)
- C-13: Carbon-13(i.e <sup>13</sup>C) Isotope NMR (ineither Spin Decoupling or Off-Resonance); Other Nuclide;Nuclei other than <sup>1</sup>H and <sup>13</sup>c such as <sup>19</sup>F, <sup>31</sup>P,etc
- UV-Vis-NIR:Absorption of Ultraviolet, Visible and Near Infrared regions of tyhe Electromagnetic Spectrum.