

The following charges for sample analysis recommended for smooth and efficient functioning of CIL w.e.f 12.01.2024

Sr. No.	Facility		Charges		
			GJUST, Hisar	Other educational institutes	Industry/R&D Labs
1.	UV-VIS –NIR Spectrometer (Cary 5000, Varian) / UV-Vis spectrometer (UV 1800 Shimadzu)		-----	100/- + 18% GST per sample	400/- + 18% GST per sample
2.	FTIR Spectrometer (Spectrum Two, Perkin Elmer)		50/- per sample	300/- + 18% GST per sample	600/- + 18% GST per sample
3.	Microwave Plasma Atomic Emission Spectrometer (MP-AES Agilent 4210, Agilent)		50/- per element with standardization upto 50 samples	700/- + 18% GST per element with standardization upto 50 samples	1400/-+ 18% GST per element with standardization upto 50 samples
4.	Atomic Absorption Spectrophotometer (AAS) (GBC 932+)		50/- per element with standardization upto 50 samples	500/-+ 18% GST per element with standardization upto 50 samples	1000/- + 18% GST per element with standardization upto 50 samples
5.	FT-NMR Spectrometer (400MHz, Bruker)				
	H <sup>1</sup> /H <sup>2</sup> /F <sup>19</sup> /Si <sup>29</sup> /P <sup>31</sup> D <sub>2</sub> O Exchange in CDCl <sub>3</sub>	24 scan	200/- per sample	300/- per sample +18% GST	1200/- per sample+18% GST
		25-56 Scan	300/- per sample	400/- per sample+ 18% GST	1400/- per sample+18% GST
		57-120 Scan	400/- per sample	500/- per sample+ 18% GST	1600/- per sample+18% GST
	H <sup>1</sup> /H <sup>2</sup> /F <sup>19</sup> /Si <sup>29</sup> /P <sup>31</sup> D <sub>2</sub> O Exchange in DMSO-d <sub>6</sub>	24 scan	350/- per sample	550/- per sample+ 18% GST	1450/-per sample+ 18% GST
		25-56 Scan	450/- per sample	650/- per sample+ 18% GST	1650/- per sample+ 18% GST
		57-120 Scan	550/- per sample	750/- per sample+ 18% GST	1800/- per sample+ 18% GST
	C <sup>13</sup> /Sn <sup>119</sup> in CDCl <sub>3</sub>	1500-2000 scan	200/- per sample	300/- per sample+ 18% GST	1200/- per sample+ 18% GST
		2001-2499 scan	300/- per sample	400/- per sample+ 18% GST	1400/- per sample+ 18% GST
		2500 scan	400/- per sample	500/- per sample+ 18% GST	1600/- per sample+ 18% GST
	C <sup>13</sup> /Sn <sup>119</sup> in DMSO-d <sub>6</sub>	1500-2000 scan	350/- per sample	550/- per sample+ 18% GST	1450/- per sample+ 18% GST
		2001-2499 scan	450/- per sample	650/- per sample+ 18% GST	1650/- per sample+ 18% GST
		2500 scan	550/- per sample	750/- per sample+ 18% GST	1800/- per sample+ 18% GST
	DEPT in CDCl <sub>3</sub>		200/- per sample	300/- per sample+ 18% GST	1200/- per sample+ 18% GST
	DEPT in DMSO-d <sub>6</sub>		350/- per sample	550/- per sample+ 18% GST	1450/- per sample+ 18% GST
	C <sup>13</sup> +DEPT in CDCl <sub>3</sub>		300/- per sample	450/- per sample+ 18% GST	1800/- per sample+ 18% GST
	C <sup>13</sup> +DEPT in DMSO-d <sub>6</sub>		450/- per sample	800/- per sample+ 18% GST	2100/- per sample+ 18% GST
2D NMR (COSY,NOSEY, HSQC, HMBC) in CDCl <sub>3</sub>		300/- per sample	600/- per sample +18% GST	1800/- per sample+ 18% GST	
2D NMR (COSY,NOSEY HSQC, HMBC) in DMSO-d <sub>6</sub>		450/- per sample	800/- per sample+ 18% GST	2100/- per sample+ 18% GST	
6.	Differential Scanning Calorimeter (DSC 25, TA instruments)		600/- Per sample per hour	800/- + 18% GST Per sample per hour	1500/- + 18% GST Per sample per hour
	Modulated Differential Scanning Calorimetry		700/- Per sample per hour	1000/-+18% GST Per sample per hour	1800/- +18% GST Per sample per hour
7.	Microwave Synthesizer (Monowave 200, Anton Paar)		----	100/- + 18% GST Per reaction	300/- + 18% GST Per reaction
8.	Liquid Chromatography-Mass Spectrometer (LC-MS/MS QTOF) (Triple TOF 5600+, AB SCIEX)	HRMS (-ve /+ve mode)	400/- per sample	700/- per sample +18% GST	2000/- per sample +18% GST
		MS/MS (-ve /+ve mode)	500/- per sample	900/- per sample+18% GST	3000/- per sample +18% GST
		LC-HRMS (Method to be provided) (-ve /+ve mode)	600/- per sample (<15min)	1100/- per sample (<15 min) +18% GST	3500/- per sample(<15 min) +18% GST
			800/- per sample (>15min)	1300/- per sample (>15 min) +18% GST	4000/- per sample (>15 min) +18% GST
		LC-MS/MS (Qualitative analysis, Either -ve or +ve mode)	1000/- per sample (<15min)	1500/- per sample (<15min) +18% GST	4500/- per sample (<15 min) +18% GST
			1200/- per sample (>15min)	1700/- per sample (>15min) +18% GST	5000/- per sample (>15 min) +18% GST
LC-HRMS Method development		1500/- per hour instrument time	2000/- per hour instrument time +18% GST	4000/- per hour instrument time +18% GST	
9.	Ultra High Performance Liquid Chromatography (UHPLC) (Nexera, Shimadzu)	Quantitative analysis per sample (Reference stds to be provided)	100/- Per sample (<15 min)	200/- per sample (<15 min) +18% GST	1000/- per sample (<15 min) +18% GST
			200/- per sample (15-30 min)	400/- per sample (15-30 min) +18% GST	2000/- per sample (15-30 min) +18% GST
			300/- per sample (31-60 min)	600/- per sample (31-60 min) +18% GST	3000/- per sample (31-60 min) +18% GST
		Method development		800/- per hour instrument time	1000/- per hour instrument time + 18% GST
10	High Resolution Field Emission Scanning Electron Microscope with EDS (FE-SEM)	FESEM with 6 images, additional images @ 50/- per image (Including coating)	500/- per sample	1000/-per sample+18% GST	2000/- per sample+ 18% GST

	(JSM-7610F Plus JEOL)	FESEM with 6 images, additional images @ 50/- per image (Including coating)+EDX	700/- per sample	1400/-per sample+18% GST	2500/- per sample+ 18% GST
		FESEM with 6 images, additional images @ 50/- per image (Including coating)+EDX + Elemental mapping	1100/- per sample	1800/-per sample+18% GST	3200/- per sample+ 18% GST
11	Confocal Raman Microscope (Alpha 300R, WITec GmbH)	Line spectra per sample	200/- per sample	400/- per sample+ 18% GST	800/- per sample+ 18% GST
		2D imaging per sample	500/- per sample	700/-per sample+ 18% GST	1800/-per sample+ 18% GST
		3D imaging per sample	800/- per sample	1000/-per sample+18% GST	2500/- per sample+ 18% GST
12	Multipurpose Versatile XRD System (Smart Lab 3kW, Rigaku)	Powder XRD (> 4 degree/min) per sample	200/- per sample	500/- Per sample +18% GST	1200/- Per sample+18% GST
		Powder XRD (<4 degree/min) per sample	300/- per sample	700/- per sample +18% GST	1500/- per sample+18% GST
		GI XRD /XRR	400/- per sample	800/- Per sample+18% GST	1800/- per sample+18% GST
13	Research Grade Advance Rheometer System (MCR 302e Anton Paar)	Rotation Tests	200/-per sample	400/- per sample+18% GST	800/-per sample+18% GST
		Oscillation Tests	200/- per sample	400/- per sample+18% GST	800/- per sample+18% GST
		Tribology	300/- per sample	600/- per sample+18% GST	1200/- per sample+18% GST
14	Visiting charges to CIL per group (upto 20 members) from College/University/ Institute/MMTTC participants from conference/workshops etc.		2000/- per group	2000/- per group +18% GST	2000/- per group +18% GST

**Notes :**

- i. The analytical/ spectra are provided only for research and development purposes. These cannot be used as certification in legal disputes.
- ii. The charges are payable in advance by online through university **website <http://web.gjuonline.ac.in/miscellaneousFees/>** or crossed back draft in favour of “The Registrar, GJ University of Science and Technology, Hisar” payable at Hisar.
- iii. Charges are not refundable at any cost.
- iv. Samples and payment should be sent preferably in the same cover. Separate samples should be sent for different analysis. Samples will not be analyzed until payment is received.
- v. Radioactive material, unstable and explosive compounds are not accepted for analysis.
- vi. Research fellows and students are advised to send their application/ performa and samples verified by the Supervisor through Chairperson/HOD/Director/Incharges of Department concerned.
- vii. **It is also desirable that analysis work done using CIL facilities should be acknowledged in the publication/ theses and a note in the regard may kindly be sent to CIL.**
- viii. The data, micrographs and spectra provided are only for research/development purposes. These cannot be used as certificates in legal disputes.
- ix. If any query regarding the sample result, it must be communicated to Director, CIL GJUS&T, Hisar on the email- [cilgju@gmail.com](mailto:cilgju@gmail.com) within ten days after receiving the sample results.

All the communication should be addressed to:

Director,  
Dr. APJ Abdul Kalam Central Instrumentation Laboratory (CIL)  
Guru Jambheshwar University of Science and Technology, Hisar -125001, Haryana  
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