



INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI

Central Instruments Facility

Guwahati – 781 039

Charge for external sample analysis

Type of Analysis	Sample Charge (in INR)			
	<i>Educational Institute of the North-East.</i>	<i>Educational Institute outside the North-East</i>	<i>Govt. Organization</i>	<i>Private industry</i>
SEM	Rs. 1000/- per sample (with Au-coating) for 3 micrograph and Rs. 250/- for each additional micrograph. Additional charge of Rs. 300/- per sample for EDS	Rs. 1200/- per sample (with Au-coating) for 3 micrograph and Rs. 300/- for each additional micrograph. Additional charge of Rs. 360/- per sample for EDS	Rs. 3000/- per sample (with Au-coating) for 3 micrograph and Rs. 750/- for each additional micrograph. Additional charge of Rs. 900/- per sample for EDS	Rs. 5000/- per sample (with Au-coating) for 3 micrograph and Rs. 1250/- for each additional micrograph. Additional charge of Rs. 1500/- per sample for EDS
CLSM	Rs. 1000/- per sample	Rs. 1200/- per sample	Rs. 3000/- per sample	Rs. 5000/- per sample
EPR	Rs. 300/- per sample at room temperature. Rs. 600/- per sample at liquid nitrogen temperature	Rs. 360/- per sample at room temperature. Rs. 720/- per sample at liquid nitrogen temperature	Rs. 900/- per sample at room temperature. Rs. 1800/- per sample at liquid nitrogen temperature	Rs. 1500/- per sample at room temperature. Rs. 3000/- per sample at liquid nitrogen temperature
400 MHz NMR	Rs. 400/- per measurement for 1D ¹ H NMR, ¹⁹ F NMR and ³¹ P NMR & Rs. 800/- per measurement for 2D COSEY NMR and ¹³ C NMR. Plus Sample preparation: Rs. 100/- for CDCl ₃ ; Rs. 200/- for DMSO & D ₂ O	Rs. 480/- per measurement for 1D ¹ H NMR, ¹⁹ F NMR and ³¹ P NMR & Rs. 960/- per measurement for 2D COSEY NMR and ¹³ C NMR. Plus Sample preparation: Rs. 120/- for CDCl ₃ ; Rs. 240/- for DMSO & D ₂ O	Rs. 1200/- per measurement for 1D ¹ H NMR, ¹⁹ F NMR and ³¹ P NMR & Rs. 2400/- per measurement for 2D COSEY NMR and ¹³ C NMR. Plus Sample preparation: Rs. 300/- for CDCl ₃ ; Rs. 600/- for DMSO & D ₂ O	Rs. 2000/- per measurement for 1D ¹ H NMR, ¹⁹ F NMR and ³¹ P NMR & Rs. 4000/- per measurement for 2D COSEY NMR and ¹³ C NMR. Plus Sample preparation: Rs. 500/- for CDCl ₃ ; Rs. 1000/- for DMSO & D ₂ O

VSM	Rs. 600/- per hour at room temperature (maximum 3 samples). Rs.1000/- per sample at variable temperature (RT to 1000 °C for a maximum period of 6 hours)	Rs. 720/- per hour at room temperature (maximum 3 samples). Rs.1200/- per sample at variable temperature (RT to 1000 °C for a maximum period of 6 hours)	Rs. 1800/- per hour at room temperature (maximum 3 samples). Rs.3000/- per sample at variable temperature (RT to 1000 °C for a maximum period of 6 hours)	Rs. 3000/- per hour at room temperature (maximum 3 samples). Rs.5000/- per sample at variable temperature (RT to 1000 °C for a maximum period of 6 hours)
TEM	Rs. 2000/- per sample for Imaging. In addition Rs.600/- per hour for material sample preparation (if required) In addition Rs. 400/- per sample for sample preparation with ultramicrotome (if required)	Rs. 2400/- per sample for Imaging. In addition Rs.720/- per hour for material sample preparation (if required). In addition Rs. 480/- per sample for sample preparation with ultramicrotome (if required).	Rs. 6000/- per sample for Imaging. In addition Rs.1800/- per hour for material sample preparation (if required). In addition Rs. 1200/- per sample for sample preparation with ultramicrotome (if required).	Rs. 10000/- per sample for Imaging. In addition Rs.3000/- per hour for material sample preparation (if required). In addition Rs. 2000/- per sample for sample preparation with ultramicrotome (if required).
Raman	Rs. 300/- per sample	Rs. 360/- per sample	Rs. 900.00 per sample	Rs. 1500.00 per sample
FESEM	Rs. 1500/- per sample for image In addition, Rs. 300/- for FESEM EDS (if required)	Rs. 1800/- per sample for image In addition, Rs. 360/- for FESEM EDS (if required)	Rs. 4500/- per sample for image In addition, Rs. 900/- for FESEM EDS (if required)	Rs. 7500/- per sample for image In addition, Rs. 1500/- for FESEM EDS (if required)
DSC-TGA	Rs. 500/- per hour using Ar gas Rs. 1000/- per hour using He gas.	Rs. 600/- per hour using Ar gas Rs. 1200/- per hour using He gas.	Rs. 1500/- per hour using Ar gas Rs. 3000/- per hour using He gas.	Rs. 2500/- per hour using Ar gas Rs. 5000/- per hour using He gas.

AFM	Rs. 2500/- per sample in non-contact mode & Rs. 3500/- per sample in contact mode)	Rs. 3000/- per sample in non-contact mode & Rs. 4200/- per sample in contact mode)	Rs. 7500/- per sample in non-contact mode & Rs. 10500/- per sample in contact mode)	Rs. 12500/- per sample in non-contact mode & Rs. 17500/- per sample in contact mode)
Nano-indentor	Rs.500/- per sample for Nanoindentor at room temperature. & Rs. 250/- per sample for Tribotesting at room	Rs.600/- per sample for Nanoindentor at room temperature. & Rs. 300/- per sample for Tribotesting at room	Rs.1500/- per sample for Nanoindentor at room temperature. & Rs. 750/- per sample for Tribotesting at room	Rs.2500/- per sample for Nanoindentor at room temperature. & Rs. 1250/- per sample for Tribotesting at room
Time Resolved Florescence	Rs. 200/- per hour for steady fluorescence (maximum 5 samples) & Rs. 250/- per sample for time resolved	Rs. 240/- per hour for steady fluorescence (maximum 5 samples) & Rs. 300/- per sample for time resolved	Rs. 600/- per hour for steady fluorescence (maximum 5 samples) & Rs. 750/- per sample for time resolved	Rs. 1000/- per hour for steady fluorescence (maximum 5 samples) & Rs. 1250/- per sample for time resolved
Single Crystal XRD	Preliminary Scanning: Rs. 500/- per crystal Data Collection: Rs. 2000/- per 8 hr. Additional hours will be charged @ Rs. 500/- per hour	Preliminary Scanning: Rs. 600/- per crystal Data Collection: Rs. 2400/- per 8 hr. Additional hours will be charged @ Rs. 600/- per hour	Preliminary Scanning: Rs. 1500/- per crystal Data Collection: Rs. 6000/- per 8 hr. Additional hours will be charged @ Rs. 1500/- per hour	Preliminary Scanning: Rs. 2500/- per crystal Data Collection: Rs. 10000/- per 8 hr. Additional hours will be charged @ Rs. 2500/- per hour

Material Impedance Analyzer	Rs. 500/- for room temperature operation. & Rs. 3000/- for variable temperature operation (LN Vap. temp to 500 °C for a maximum period of 6 hours).	Rs. 600/- for room temperature operation. & Rs. 3600/- for variable temperature operation (LN Vap. temp to 500 °C for a maximum period of 6 hours).	Rs. 1500/- for room temperature operation. & Rs. 9000/- for variable temperature operation (LN Vap. temp to 500 °C for a maximum period of 6 hours).	Rs. 2500/- for room temperature operation. & Rs. 15000/- for variable temperature operation (LN Vap. temp to 500 °C for a maximum period of 6 hours).
LCMS	Rs. 1000/-for MS/HRMS with ESI or APCI. & Rs. 1500/- for LCMS with ESI or APCI.	Rs. 1200/-for MS/HRMS with ESI or APCI. & Rs. 1800/- for LCMS with ESI or APCI.	Rs. 3000/-for MS/HRMS with ESI or APCI. & Rs. 4500/- for LCMS with ESI or APCI.	Rs. 5000/-for MS/HRMS with ESI or APCI. & Rs. 7500/- for LCMS with ESI or APCI.

N.B.

- Service tax is extra as applicable.
- The sample charge has to be paid in advance. All payments should be made in the form of DD in favour of **“IITGuwahati”** and payment should be sent to the **Head, Central Instruments Facility, IIT Guwahati, Guwahati, Pin-781039.**
- **The use of this sophisticated equipment should be acknowledged in the published papers/thesis/reports and send us a copy.** For other information, please visit <http://www.iitg.ernet.in/cif/>