

CENTRAL INSTRUMENT FACILITY, IIT GUWAHATI

Type of Analysis	Sample Charge (in INR) (GST Inclusive)			
	<i>Educational Institute of the North-East.</i>	<i>Educational Institute outside the North- East</i>	<i>Govt. Organization</i>	<i>Private industry</i>
BET (Surface Area and pore size analyzer)	Rs. 2,500/- per sample (50 point absorption and 20 point DE absorption analysis)	3000/- per sample (50 point absorption and 20 point de absorption analysis)	7500/- per sample (50 point absorption and 20 point DE absorption) analysis	12,500/- per sample (50 point absorption and 20 point DE absorption)
DSC-TGA	For 0 °C – 500 °C/1hour - Rs. 500/- 500 °C <1000 °C/1hour – Rs. 1000/-	For 0 °C – 500 °C/1hour - Rs. 600/- 500 °C <1000 °C/1hour – Rs. 1200/-	For 0 °C – 500 °C/1hour - Rs. 1500/- 500 °C <1000 °C/1hour – Rs. 3000/-	For 0 °C – 500 °C/1hour -Rs. 2500/- 500 °C <1000 °C/1hour – Rs. 5000/-
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
FESEM	Rs. 1500/- per sample for image Rs. 1800/- per sample towards EDS along with imaging.	Rs. 1800/- per sample for image Rs. 2160/- per sample towards EDS along with imaging.	Rs. 4500/- per sample for image Rs. 5400/- per sample towards EDS along with imaging.	Rs. 7500/- per sample for image Rs. 9000/- per sample towards EDS along with imaging.
High Pressure Adsorption System	Rs 8500/- per sample at room temperature. Rs 11,000/- per sample (at Liquid Nitrogen Temperature)	Rs 10,200/- per sample at room temperature. Rs 13,200/- per sample (at Liquid Nitrogen Temperature)	Rs 25,500/- per sample at room temperature. Rs 33,000/- per sample (at Liquid Nitrogen Temperature)	Rs 42,500/- per sample at room temperature. Rs 55,000/- per sample (at Liquid Nitrogen Temperature)
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.

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Material Impedance Analyzer	Rs. 500/- for room Temperature Operation.	Rs. 600/- for room Temperature Operation.	Rs. 1500/- for room Temperature Operation.	Rs. 2500/- for room Temperature Operation.
MALDI ToF- Mass Spectrometer	Rs. 1,650/- per sample for molecular weight and data analysis (Matrix to be provided by user)	Rs. 1,980/- per sample for molecular weight and data analysis (Matrix to be provided by user)	Rs. 4,950/- per sample for molecular weight and data analysis (Matrix to be provided by user)	Rs. 8,250/- per sample for molecular weight and data analysis (Matrix to be provided by user)
Raman	Rs. 300/- per sample	Rs. 360/- per sample	Rs. 900/- per sample	Rs. 1500/- per sample
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
TEM	Rs. 2000/- per sample for Imaging. In addition, Rs. 600/- per hour for material sample preparation (if required)	Rs. 2400/- per sample for Imaging. In addition, Rs.720/- per hour for material sample preparation (if required)	Rs. 6000/- per sample for Imaging. In addition, Rs. 1800/- per hour for material sample preparation (if required).	Rs. 10000/- per sample for Imaging. In addition, Rs. 3000/- per hour for material sample Preparation (if required).
Picosecond Time-resolved cum Steady State Luminescence Spectrometer	Rs. 200/- per hour for steady state fluorescence (maximum 5 samples) & Rs. 250/- per sample for time Resolved	Rs. 240/- per hour for steady state fluorescence (maximum 5 samples) & Rs. 300/- per sample for time Resolved	Rs. 600/- per hour for steady state fluorescence (maximum 5 samples) & Rs. 750/- per sample for time Resolved	Rs. 1000/- per hour for steady state fluorescence (maximum 5 samples) & Rs. 1250/- per sample for time Resolved
VSM	Rs. 600/- per hour at room temperature. (Maximum 3 Samples)	Rs. 720/- per hour at room temperature. (Maximum 3 Samples)	Rs. 1800/- per hour at room temperature. (Maximum 3 Samples)	Rs. 3000/- per hour at room temperature. (Maximum 3 Samples)

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	Users will have to weigh each sample and mark the exact weight of the sample in the container (and registration form) along with the sample code. Only six samples per user/per job order form will be accepted. Users having more number of samples can submit in batches of six samples after the completion of analysis of the previous batch of samples.	Users will have to weigh each sample and mark the exact weight of the sample in the container (and registration form) along with the sample code. Only six samples per user/per job order form will be accepted. Users having more number of samples can submit in batches of six samples after the completion of analysis of the previous batch of samples.	Users will have to weigh each sample and mark the exact weight of the sample in the container (and registration form) along with the sample code. Only six samples per user/per job order form will be accepted. Users having more number of samples can submit in batches of six samples after the completion of analysis of the previous batch of samples.	Users will have to weigh each sample and mark the exact weight of the sample in the container (and registration form) along with the sample code. Only six samples per user/per job order form will be accepted. Users having more number of samples can submit in batches of six samples after the completion of analysis of the previous batch of Samples.
400 MHz NMR	Rs. 400/- per measurement for 1D ¹ H NMR, ¹⁹ F NMR ³¹ P Rs. 800/- per measurement for 2D COSEY NMR and ¹³ C NMR. 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. Sample preparation: Rs. 120/- for CDCl ₃ ; Rs. 240/- for DMSO & D ₂ O	Rs. 1200/- per 1D measurement for ¹ H NMR, ¹⁹ F NMR and ³¹ P NMR Rs. 2400/- per measurement for 2D COSEY NMR and ¹³ C NMR. 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.
600 MHz NMR	Rs. 500/- per measurement for 1D ¹ H NMR, ¹⁹ F NMR ³¹ P Rs. 1000/- per measurement for 2D COSEY NMR and ¹³ C NMR.	Rs. 600/- per measurement for 1D ¹ H NMR, ¹⁹ F NMR ³¹ P Rs. 1200/- per measurement for 2D COSEY NMR and ¹³ C NMR.	Rs. 1500/- per measurement for 1D ¹ H NMR, ¹⁹ F NMR ³¹ P Rs. 3000/- per measurement for 2D COSEY NMR and ¹³ C NMR.	Rs. 2500/- per measurement for 1D ¹ H NMR, ¹⁹ F NMR ³¹ P Rs. 5000/- per measurement for 2D

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	Sample preparation: Rs.100/- for CDCl ₃ ; Rs. 200/- for DMSO & D ₂ O	Sample preparation: Rs. 100/- for CDCl ₃ ; Rs. 200/- for DMSO & D ₂ O	Sample preparation: Rs. 100/- for CDCl ₃ ; Rs. 200/- for DMSO & D ₂ O	COSEY NMR and ¹³ C NMR. Sample preparation: Rs. 100/- for CDCl ₃ ; Rs. 200/- for DMSO & D ₂ O
Powder XRD system with thin film attachment	Rs. 500/- for powder sample Rs. 1500/- for thin film	Rs. 750/- for powder sample Rs. 2250/- for thin film	Rs. 1000/- for powder sample Rs. 3000/- for thin film	Rs. 1500/- for powder sample Rs. 4500/- for thin film
200KV Field Transmission Electron Microscope with EDS	Rs. 2500/- for imaging Rs. 1000/- for EDX	Rs. 3750/- for imaging Rs. 1500/- for EDX	Rs. 5000/- for imaging Rs. 2000/- for EDX	Rs. 7500/- for imaging Rs. 3000/- for EDX
250KN Servo Hydraulic UTM	Compression test : Rs. 250/- per sample Tensile test : Rs. 300/- per sample	Compression test : Rs. 375/- per sample Tensile test : Rs. 450/- per sample	Compression test : Rs. 500/- per sample Tensile test : Rs. 600/- per sample	Compression test : Rs. 750/- per sample Tensile test : Rs. 900/- per sample
5KN Electro Mechanical UTM	Compression test : Rs. 200/- per sample Tensile test : Rs. 250/- per sample	Compression test : Rs. 300/- per sample Tensile test : Rs. 375/- per sample	Compression test : Rs. 400/- per sample Tensile test : Rs. 500/- per sample	Compression test : Rs. 600/- per sample Tensile test : Rs. 750/- per sample

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Isothermal Titration Calorimeter	Rs. 1000/- per sample	Rs. 1500/- per sample	Rs. 2000/- per sample	Rs. 3000/- per sample
Impedance and Material Analyzer	Room temperature: Rs. 500/- per sample (Sample to be prepared by the user)	Room temperature: Rs. 750/- per sample (Sample to be prepared by the user)	Room temperature: Rs. 1000/- per sample (Sample to be prepared by the user)	Room temperature: Rs. 1500/- per sample (Sample to be prepared by the user)
Atomic Force Microscope	For imaging Rs. 1500/- per sample (Sample to be prepared by the user)	For imaging Rs. 2200/- per sample (Sample to be prepared by the user)	For imaging Rs. 3000/- per sample (Sample to be prepared by the user)	For imaging Rs. 4500/- per sample (Sample to be prepared by the user)

- **The sample charge has to be paid in advance. All payments should be made in the form of DD in favor of “IIT Guwahati” and payment should be sent to the Head, Central Instruments Facility, IIT Guwahati, Guwahati, and Pin-781039.**
- **The acknowledgement of Central Instruments Facility in published papers/reports/thesis must be made by users and an acknowledgement copy of the same must be sent to CIF for reference.**