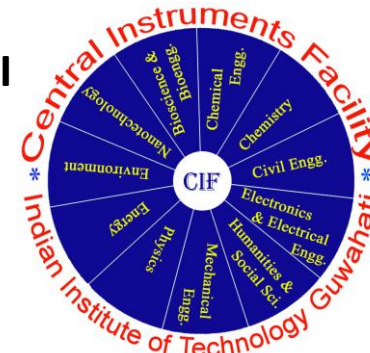




# CENTRAL INSTRUMENT FACILITY, IIT GUWAHATI

## Charge for external sample analysis



**Service charge of 15 % on Instrument Usage (charge) to be added extra as per Government Regulation**

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>
<b>BET (Surface Area and pore size analyzer)</b>	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)
<b>DSC-TGA</b>	Rs. 500/- per hour using Argon gas	Rs. 600/- per hour using Argon gas	Rs. 1500/- per hour using Argon gas	Rs. 2500/- per hour using Argon gas
<b>EPR</b>	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
<b>FESEM</b>	Rs. 1500/- per sample for image  Rs. 1800/- per sample	Rs. 1800/- per sample for image  Rs. 2160/- per sample towards	Rs. 4500/- per sample for image  Rs. 5,400/- per sample	Rs. 7500/- per sample for image  Rs. 9,000/- per sample towards

	towards EDS along with imaging.	EDS along with imaging.	towards EDS along with imaging.	EDS along with imaging.
<b>High Pressure Adsorption System</b>	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)
<b>LCMS</b>	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.
<b>Material Impedance Analyzer</b>	Rs. 500/- for room temperature Operation.	Rs. 600/- for room Temperature operation.	Rs. 1500/- for room Temperature operation.	Rs. 2500/- for room temperature Operation.
<b>MALDI ToF-Mass Spectrometer</b>	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)
<b>Raman</b>	Rs. 300/- per sample	Rs. 360/- per sample	Rs. 900/- per sample	Rs 1500 /- per sample
<b>Single Crystal XRD</b>	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	Preliminary Scanning: Rs. 2500/- per crystal  Data Collection: Rs. 10000/- per 8 hr.  Additional hours will be charged @ Rs. 2500/- per hour

			hour	
<b>TEM</b>	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. 10,000/- per sample for Imaging.  In addition Rs. 3000/- per hour for material sample preparation (if required).
<b>Time Resolved Fluorescence</b>	Rs. 200/- per hour for steady state fluorescence (maximum 5 samples) <b>&amp;</b> Rs. 250/- per sample for time Resolved	Rs. 240/- per hour for steady fluorescence (maximum 5 samples) <b>&amp;</b> Rs. 300/- per sample for time resolved	Rs. 600/- per hour for steady fluorescence (maximum 5 samples) <b>&amp;</b> Rs. 750/- per sample for time resolved	Rs. 1000/- per hour for steady fluorescence (maximum 5 samples) <b>&amp;</b> Rs. 1250/- per sample for time resolved
<b>VSM</b>	Rs. 500/- per hour at room temperature.  Rs. 5000/- per sample for variable temperature measurement ( RT to 700°C and for maximum duration of 6 hours)	Rs. 600/- per hour at room temperature.  Rs. 6000/- per sample for variable temperature measurement (RT to 700°C and for maximum duration of 6 hours)	Rs. 1,500/- per hour at room temperature.  Rs. 15,000/- per sample for variable temperature measurement (RT to 700°C and for maximum duration of 6 hours)	Rs. 2,500/- per hour at room temperature.  Rs. 25,000/- per sample for variable temperature measurement (RT to 700°C and for maximum duration of 6 hours)
<b>400 MHz NMR</b>	Rs. 400/- per measurement for 1D <sup>1</sup> H NMR, <sup>19</sup> F NMR and <sup>31</sup> P NMR <b>&amp;</b> Rs. 800/- per measurement for 2D COSEY NMR and <sup>13</sup> C NMR. <b>Plus</b> Sample preparation: Rs.	Rs. 480/- per measurement for 1D <sup>1</sup> H NMR, <sup>19</sup> F NMR and <sup>31</sup> P NMR <b>&amp;</b> Rs. 960/- per measurement for 2D COSEY NMR and <sup>13</sup> C NMR. <b>Plus</b> Sample preparation: Rs. 120/-	Rs. 1200/- per measurement for 1D <sup>1</sup> H NMR, <sup>19</sup> F NMR and <sup>31</sup> P NMR <b>&amp;</b> Rs. 2400/- per measurement for 2D COSEY NMR and <sup>13</sup> C NMR. <b>Plus</b>	Rs. 2000/- per measurement for 1D <sup>1</sup> H NMR, <sup>19</sup> F NMR and <sup>31</sup> P NMR <b>&amp;</b> Rs. 4000/- per measurement for 2D COSEY NMR and <sup>13</sup> C NMR. <b>Plus</b> Sample preparation: Rs. 500/-

	100/- for CDCl <sub>3</sub> ; Rs. 200/- for DMSO & D <sub>2</sub> O	for CDCl <sub>3</sub> ; Rs. 240/- for DMSO & D <sub>2</sub> O	Sample preparation: Rs. 300/- for CDCl <sub>3</sub> ; Rs. 600/- for DMSO & D <sub>2</sub> O	for CDCl <sub>3</sub> ; Rs. 1000/- for DMSO & D <sub>2</sub> O
<b>600 MHz NMR</b>	500/- per measurement for 1D <sup>1</sup> H NMR, <sup>19</sup> F NMR and <sup>31</sup> P NMR & Rs.1000/- per measurement for 2D COSEY NMR and <sup>13</sup> C NMR. <b>Plus</b> Sample preparation: Rs. 100/- for CDCl <sub>3</sub> ; Rs. 200/- for DMSO & D <sub>2</sub> O	Rs. 600/- per measurement for 1D <sup>1</sup> H NMR, <sup>19</sup> F NMR and <sup>31</sup> P NMR & Rs.1200 /- per measurement for 2D COSEY NMR and <sup>13</sup> C NMR. <b>Plus</b> Sample preparation: Rs. 120/- for CDCl <sub>3</sub> ; Rs. 240/- for DMSO & D <sub>2</sub> O	Rs. 1500/- per measurement for 1D <sup>1</sup> H NMR, <sup>19</sup> F NMR and <sup>31</sup> P NMR & Rs. 3000/- per measurement for 2D COSEY NMR and <sup>13</sup> C NMR. <b>Plus</b> Sample preparation: Rs. 300/- for CDCl <sub>3</sub> ; Rs. 600/- for DMSO & D <sub>2</sub> O	Rs. 2500/- per measurement for 1D <sup>1</sup> H NMR, <sup>19</sup> F NMR and <sup>31</sup> P NMR & Rs. 5000/- per measurement for 2D COSEY NMR and <sup>13</sup> C NMR. <b>Plus</b> Sample preparation: Rs. 500/- for CDCl <sub>3</sub> ; Rs. 1000/- for DMSO & D <sub>2</sub> O

- 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.