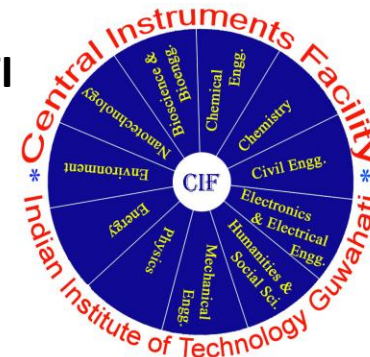




# CENTRAL INSTRUMENT FACILITY, IIT GUWAHATI

## Charge for external sample analysis



**GST charge of 18 % on Instrument Usage 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. 1,500/- for 8 hours plus 200 per extra hour.	1800/- for 8 hours plus 240 per extra hour.	4500/- for 8 hours plus 600 per extra hour.	7500/- for 8 hours plus 1000 per extra hour.
<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.1500/- per sample for image	Rs.1500/- per sample for image	Rs.1500/- per sample for image

	In addition Rs.300/- for FESEM EDS	In addition Rs.300/- for FESEM EDS	In addition Rs.300/- for FESEM EDS	In addition Rs.300/- for FESEM EDS.
<b>High Pressure Adsorption System</b>	2000/- for 8 hours plus 300 per extra hour.	2400/- for 8 hours plus 360 per extra hour.	Rs 6000/- for 8 hours plus 900 per extra hour.	10000/- for 8 hours plus 1500 per extra hour.
<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 hour	Preliminary Scanning: Rs. 2500/- per crystal  Data Collection: Rs. 10000/- per 8 hr.  Additional hours will be charged @ Rs. 2500/- per 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)  & 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
<b>VSM</b>	Rs. 600/- per hour at room temperature.(Maximum 3 samples)  Users are requested to provide the samples (at least 10mg) in solid form (in sealed vials). The samples should be weighed and the accurate weight of the sample can be marked in the vial. Users requesting return of their samples will have to send a self-addressed (stamped) envelope along with their samples. Maximum 6 samples can be sent at a time for analysis.	Rs. 720/- per hour at room temperature. .(Maximum 3 samples)  Users are requested to provide the samples (at least 10mg) in solid form (in sealed vials). The samples should be weighed and the accurate weight of the sample can be marked in the vial. Users requesting return of their samples will have to send a self-addressed (stamped) envelope along with their samples. Maximum 6 samples can be sent at a time for analysis.	Rs. 1,800/- per hour at room temperature.  Users are requested to provide the samples (at least 10mg) in solid form (in sealed vials). The samples should be weighed and the accurate weight of the sample can be marked in the vial. Users requesting return of their samples will have to send a self-addressed (stamped) envelope along with their samples. Maximum 6 samples can be sent at a time for analysis.	Rs. 3,000/- per hour at room temperature.  Users are requested to provide the samples (at least 10mg) in solid form (in sealed vials). The samples should be weighed and the accurate weight of the sample can be marked in the vial. Users requesting return of their samples will have to send a self-addressed (stamped) envelope along with their samples. Maximum 6 samples can be sent at a time for analysis.

<p><b>400 MHz NMR</b></p>	<p>Rs. 400/- per measurement for 1D <math>^1\text{H}</math> NMR, <math>^{19}\text{F}</math> NMR and <math>^{31}\text{P}</math> NMR  <b>&amp;</b>  Rs. 800/- per measurement for 2D COSEY NMR and <math>^{13}\text{C}</math> NMR.  <b>Plus</b>  Sample preparation: Rs. 100/- for <math>\text{CDCl}_3</math>; Rs. 200/- for DMSO &amp; <math>\text{D}_2\text{O}</math></p>	<p>Rs. 480/- per measurement for 1D <math>^1\text{H}</math> NMR, <math>^{19}\text{F}</math> NMR and <math>^{31}\text{P}</math> NMR  <b>&amp;</b>  Rs. 960/- per measurement for 2D COSEY NMR and <math>^{13}\text{C}</math> NMR.  <b>Plus</b>  Sample preparation: Rs. 120/- for <math>\text{CDCl}_3</math>; Rs. 240/- for DMSO &amp; <math>\text{D}_2\text{O}</math></p>	<p>Rs. 1200/- per measurement for 1D <math>^1\text{H}</math> NMR, <math>^{19}\text{F}</math> NMR and <math>^{31}\text{P}</math> NMR  <b>&amp;</b>  Rs. 2400/- per measurement for 2D COSEY NMR and <math>^{13}\text{C}</math> NMR.  <b>Plus</b>  Sample preparation: Rs. 300/- for <math>\text{CDCl}_3</math>; Rs. 600/- for DMSO &amp; <math>\text{D}_2\text{O}</math></p>	<p>Rs. 2000/- per measurement for 1D <math>^1\text{H}</math> NMR, <math>^{19}\text{F}</math> NMR and <math>^{31}\text{P}</math> NMR  <b>&amp;</b>  Rs. 4000/- per measurement for 2D COSEY NMR and <math>^{13}\text{C}</math> NMR.  <b>Plus</b>  Sample preparation: Rs. 500/- for <math>\text{CDCl}_3</math>; Rs. 1000/- for DMSO &amp; <math>\text{D}_2\text{O}</math></p>
<p><b>600 MHz NMR</b></p>	<p>Rs. 500/- per measurement for 1D <math>^1\text{H}</math> NMR, <math>^{19}\text{F}</math> NMR, <math>^{13}\text{C}</math> and <math>^{31}\text{P}</math> NMR  <b>&amp;</b>  Rs. 1000/- per measurement for 2D COSEY NMR  <b>Plus</b>  Sample preparation: Rs. 100/- for <math>\text{CDCl}_3</math>; Rs. 200/- for DMSO &amp; <math>\text{D}_2\text{O}</math></p>	<p>Rs. 600/- per measurement for 1D <math>^1\text{H}</math> NMR, <math>^{19}\text{F}</math> NMR, <math>^{13}\text{C}</math> and <math>^{31}\text{P}</math> NMR  <b>&amp;</b>  Rs. 1200/- per measurement for 2D COSEY NMR  <b>Plus</b>  Sample preparation: Rs. 120/- for <math>\text{CDCl}_3</math>; Rs. 240/- for DMSO &amp; <math>\text{D}_2\text{O}</math></p>	<p>Rs. 1500/- per measurement for 1D <math>^1\text{H}</math> NMR, <math>^{19}\text{F}</math> NMR, <math>^{13}\text{C}</math> and <math>^{31}\text{P}</math> NMR  <b>&amp;</b>  Rs. 3000/- per measurement for 2D COSEY NMR  <b>Plus</b>  Sample preparation: Rs. 300/- for <math>\text{CDCl}_3</math>; Rs. 600/- for DMSO &amp; <math>\text{D}_2\text{O}</math></p>	<p>Rs. 2500/- per measurement for 1D <math>^1\text{H}</math> NMR, <math>^{19}\text{F}</math> NMR, <math>^{13}\text{C}</math> and <math>^{31}\text{P}</math> NMR  <b>&amp;</b>  Rs. 5000/- per measurement for 2D COSEY NMR  <b>Plus</b>  Sample preparation: Rs. 500/- for <math>\text{CDCl}_3</math>; Rs. 1000/- for DMSO &amp; <math>\text{D}_2\text{O}</math></p>

- 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.