



भारतीय प्रौद्योगिकी संस्थान गुवाहाटी  
**INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI**  
Central Instruments Facility (केंद्रीय उपकरण सुविधा)  
Guwahati 781039

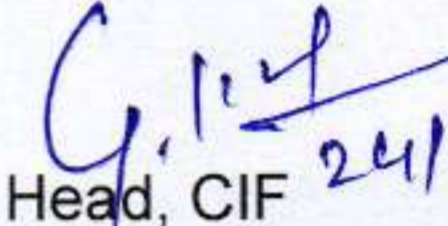
---

Date : 24/07/2024

**NOTICE**

This is for information of all concerned that the sample characterization / analysis charges for external users has been revised with effective from 01<sup>st</sup> August 2024. The revised sample charge list is available in the website of Central Instruments Facility, IIT Guwahati.

This is issued with the approval of the competent authority.

  
Head, CIF 24/7/24.

केन्द्राध्यक्ष, केंद्रीय उपकरण सुविधा  
Head, Central Instruments Facility  
भारतीय प्रौद्योगिकी संस्थान गुवाहाटी  
Indian Institute of Technology Guwahati

Copy for information to:

1. Website of Central Instruments Facility, IIT Guwahati.
2. Notice board, CIF



# Central Instruments Facility

## IIT Guwahati

### Sample charges for Educational institutes of north-east/outside north-east/Govt. Institution/Pvt. Industry

INSTRUMENTS OF CIF	REVISED/PROPOSED SAMPLE CHARGE FOR EDUCATIONAL INSTITUTE OF NORTH-EAST (Rs.)	REVISED/PROPOSED SAMPLE CHARGE FOR EDUCATIONAL INSTITUTE OUTSIDE NORTH-EAST (Rs.)	REVISED/PROPOSED SAMPLE CHARGE FOR GOVT INSTITUTION (Rs.)	REVISED/PROPOSED SAMPLE CHARGE FOR PVT. INDUSTRY (Rs.)
<b>BET (Surface Area and pore size analyzer)</b>	3550/- per sample (50 point absorption and 20 point DE absorption analysis)	5350/- per sample (50 point absorption and 20 point DE absorption analysis)	7100/- per sample (50 point absorption and 20 point DE absorption analysis)	10650/- per sample (50 point absorption and 20 point DE absorption analysis)
<b>Differential Scanning Calorimeter/Thermo gravimetric Analyzer (DSC-TGA)</b>	2600/- per sample for three hrs max.	3800/- per sample for three hrs max.	5100/- per sample for three hrs max.	7600/- per sample for three hrs max.
<b>Electron Spin Resonance (ESR) Spectrometer</b>	550/- per sample at room temperature.	700/- per sample at room temperature.	1000/- per sample at room temperature.	1600/- per sample at room temperature.
<b>Field Emission Scanning Electron Microscope (FESEM) with EDS</b>	2000/-per sample for imaging	3100/-per sample for imaging	4100/- per sample for imaging	6100/- per sample for imaging
	2600/- per sample for EDS with image	3800/- per sample for EDS with image	5200/- per sample for EDS with image	7600 /- per sample + GST for EDS with image
<b>High Pressure Adsorption System</b>	14200/- per sample (RT)	21300/- per sample (RT)	27200/- per sample (RT)	41300/- per sample (RT)

<b>MALDI ToF-Mass Spectrometer</b>	<i>2000/- per sample for molecular weight and data analysis (Matrix to be provided by user)</i>	<i>3100/- per sample for molecular weight and data analysis (Matrix to be provided by user)</i>	<i>4100/- per sample for molecular weight and data analysis (Matrix to be provided by user)</i>	<i>6100/- per sample + GST for molecular weight and data analysis (Matrix to be provided by user)</i>
<b>Raman Spectrometer</b>	650/- per sample	950/- per sample	1300/- per sample	1900/- per sample
<b>Single Crystal XRD</b>	1900/- per sample @ RT	2800/- per sample @ RT	3700/- per sample @ RT	5500/- per sample @ RT
<b>Picosecond Time-resolved cum Steady State Luminescence Spectrometer</b>	<i>450/- per hour for steady state fluorescence (maximum 5 samples)</i>	<i>650/- per hour for steady state fluorescence (maximum 5 samples)</i>	<i>850/- per hour for steady state fluorescence (maximum 5 samples)</i>	<i>1300/- per hour for steady state fluorescence (maximum 5 samples)</i>
	<i>700/- per sample for time Resolved</i>	<i>1100/- per sample for time Resolved</i>	<i>1500/- per sample for time Resolved</i>	<i>2200/- per sample for time Resolved</i>
<b>Vibrating Sample Magnetometer (VSM)</b>	<i>650/- per sample (RT Only). Maximum six samples</i>	<i>950/- per sample (RT Only). Maximum six samples</i>	<i>1300/- per sample (RT Only). Maximum six samples</i>	<i>2000/- per sample (RT Only). Maximum six samples</i>
<b>X-ray Photo Electron Spectroscopy (XPS)</b>	3100/- per sample	4600/- per sample	6100/- per sample	9100/- per sample
	5400/- per sample With depth profile and mapping	8300/- per sample With depth profile and mapping	10700/- per sample With depth profile and mapping	15400/- per sample With depth profile and mapping
<b>600 MHz FTNMR</b>	<i>950/- per measurement for 1D 1H NMR, 19F NMR 31P NMR</i>	<i>1500/- per measurement for 1D 1H NMR, 19F NMR 31P NMR</i>	<i>2000/- per measurement for 1D 1H NMR, 19F NMR 31P NMR</i>	<i>2800/- per measurement for 1D 1H NMR, 19F NMR 31P NMR</i>

	1500/- per for 2D COSEY NMR and 13C NMR.	2200/- per measurement for 2D COSEY NMR and 13C NMR.	3000/- per measurement for 2D COSEY NMR and 13C NMR.	4800/- per measurement for 2D COSEY NMR and 13C NMR.
<b>Sample preparation for NMR</b>	550/- for CDCl <sub>3</sub>	1600/- for CDCl <sub>3</sub>	1100/- for CDCl <sub>3</sub>	1700/- for CDCl <sub>3</sub>
	700/- for DMSO & D <sub>2</sub> O	1200/- for DMSO & D <sub>2</sub> O	1500/- for DMSO & D <sub>2</sub> O	2200/- for DMSO & D <sub>2</sub> O
<b>Powder XRD system with thin film attachment</b>	Rs. 650/- for powder sample only	Rs. 950/- for powder sample only	Rs. 1500/- for powder sample only	Rs. 2000/- for powder sample only
	Rs.1600/- for thin film sample	Rs.2400/- for thin film sample	Rs.3100/- for thin film sample	Rs.4800/- for thin film sample
<b>200KV Field Emission Transmission Electron Microscope (FETEM) with EDS</b>	Rs. 3100/- for imaging	Rs. 3800/- for imaging	Rs. 5200/- for imaging	Rs. 7700/- for imaging
	Rs. 1300/- for EDX	Rs. 1900/- for EDX	Rs. 2600/- for EDX	Rs. 3800/- for EDX
<b>250KN Servo hydraulic UTM</b>	Compression test: Rs. 420/- per sample	Compression test: Rs. 650/- per sample	Compression test: Rs. 950/- per sample	Compression test: Rs. 1500/- per sample
	Tensile test: Rs. 550/- per sample	Tensile test: Rs. 850/- per sample	Tensile test: Rs. 1100/- per sample	Tensile test: Rs. 1600/- per sample
<b>5KN electro mechanical UTM</b>	Compression test: Rs. 360/- per sample	Compression test: Rs. 600/- per sample	Compression test: Rs. 750/- per sample	Compression test: Rs. 1100/- per sample
	Tensile test: Rs. 450/- per sample per hr.	Tensile test: Rs. 650/- per sample per hr.	Tensile test: Rs. 950/- per sample per hr.	Tensile test: Rs. 1500/- per sample per hr.
<b>Isothermal Titration Calorimeter (ITC)</b>	Rs. 1600/- per sample per hr.	Rs. 2400/- per sample per hr.	Rs. 3200/- per sample per hr.	Rs. 4800/- per sample per hr.

<b>Impedance and Material Analyzer (IMA)</b>	Room temperature: Rs. 650/- per sample (sample preparation to be done by user)	Room temperature: Rs. 950/- per sample (sample preparation to be done by user)	Room temperature: Rs. 1300/- per sample (sample preparation to be done by user)	Room temperature: Rs. 1900/- per sample (sample preparation to be done by user)
<b>Atomic Force Microscope (AFM)</b>	For imaging Rs. 2000/- per sample (Sample preparation to be done by user)	For imaging Rs. 3100/- per sample (Sample preparation to be done by user)	For imaging Rs. 3600/- per sample (Sample preparation to be done by user)	For imaging Rs. 6200/- per sample (Sample preparation to be done by user)
<b>High Resolution Mass Spectrograph (HRMS)</b>	Rs. 1300/- per sample	Rs. 1800/- per sample	Rs. 4200/- per sample	Rs. 6200/- per sample
<b>CHNS/O analyzer</b>	Rs. 2000/- per sample	Rs. 3100/- per sample	Rs. 4200/- per sample	Rs. 6200/- per sample
	Rs. 2000/- per sample (Only for Oxygen)	Rs. 3100/- per sample (Only for Oxygen)	Rs. 4200/- per sample (Only for Oxygen)	Rs. 6200/- per sample (Only for Oxygen)
<b>Inductively Coupled Plasma Mass Spectrometer (ICPMS)</b> (Liquid sample without digestion/ preparation)	Rs. 1000/- per sample for 24 elements	Rs. 1600/- per sample for 24 elements	Rs. 2200/- per sample for 24 elements	Rs. 3100/- per sample for 24 elements
<b>Inductively Coupled Plasma Mass Spectrometer (ICPMS)</b> (Liquid sample that requires preparation using microwave digestion)	Rs. 1600/- per sample for 24 elements	Rs. 2400/- per sample for 24 elements	Rs. 3100/- per sample for 24 elements	Rs. 4800/- per sample for 24 elements
	Rs. 360/- per extra element (As, Hg, Gd, Si, U)	Rs. 600/- per extra element (As, Hg, Gd, Si, U)	Rs. 720/- + per extra element (As, Hg, Gd, Si, U)	Rs. 1100/- per extra element (As, Hg, Gd, Si, U)
	<ul style="list-style-type: none"> <li>• 24 Elements ((Al, B, Be, Ba, Bi, Ca, Cd, Co, Cu, Cr, Fe, Ga, K, Li, Mg, Mn, Na, Ni, Pb, Se, Sr, Te, Tl, Zn);</li> <li>• 18 Analytes (Rare earth elements)</li> <li>• Charge of analysis of only single element will be same as the charge for 24 analytes per sample</li> </ul> <p>(Results will be in ppb unit)</p>			

All charges include current GST charge 18 %