



# Central Instrument Facility (CIF)

IIT (BHU), Varanasi – 221005

## User Charge List



S. No.	Instrument	Other External Institutes & Govt. R&D Labs	Startups	Industry
1	HR-TEM with EDS (Spectra & Mapping) & STEM (Per Hour)	₹ 3,000	₹ 4,000	₹ 8,000
2	HR-SEM (Per Hour)	₹ 2,400	₹ 3,200	₹ 6,400
3	SEM (Per Hour)	₹ 2,100	₹ 2,800	₹ 5,600
4	Bench Top SEM (Per Hour)	₹ 1,500	₹ 2,000	₹ 4,000
5	EBSD (Per Hour)*	₹ 900	₹ 1,200	₹ 2,400
6	Bench Top XRD (Per Hour)	₹ 1,050	₹ 1,400	₹ 2,800
7	HR- XRD (Per Hour)	₹ 1,500	₹ 2,000	₹ 4,000
8	HT-XRD (Per Hour)	₹ 1,800	₹ 2,400	₹ 4,800
9	MPMS (Per Hour)	₹ 450	₹ 600	₹ 1,200
10	SPM (Per Hour)	₹ 1,500	₹ 2,000	₹ 4,000
11	Ion Chromatography (Per Hour)	₹ 1,800	₹ 2,400	₹ 4,800
12	Tribometer / Profilometer (Per Hour)	₹ 900	₹ 1,200	₹ 2,400
13	PCB Prototyping (Per Sample Size - 4" x 6") (With Material) Δ	₹ 2,400	₹ 3,200	₹ 6,400
14	FTIR (ATR) (Per Half Hour)	₹ 300	₹ 400	₹ 800
	FTIR (KBr) (Per Half Hour)	₹ 600	₹ 800	₹ 1,600
15	DSC (Per Hour)	₹ 1,200	₹ 1,600	₹ 3,200
16	TGA (Per Hour)	₹ 1,200	₹ 1,600	₹ 3,200
17	XPS (Per Half Hour)	₹ 2,700	₹ 3,600	₹ 7,200
18	ICP-MS (per Element)Δ	₹ 1,200	₹ 1,600	₹ 3,200
	ICP-MS (up to 5 elements) / Sample	₹ 4,500	₹ 6,000	₹ 12,000
	ICP-MS (up to 10 elements) / Sample (An additional charge of ₹200 per element will be applicable for analysis beyond 10 elements.)	₹ 6,000	₹ 8,000	₹ 16,000
19	BET (Per Sample)	₹ 4,500	₹ 6,000	₹ 12,000
	Chemisorption (Per Sample)	₹ 4,800	₹ 6,400	₹ 12,800
20	Network Analyzer (Per Hour)	₹ 1,500	₹ 2,000	₹ 4,000
21	CLSM (Per Hour)	₹ 2,250	₹ 3,000	₹ 6,000
22	Nano Indentation (NMTS) (Per Hour)	₹ 1,800	₹ 2,400	₹ 4,800
	NanoWear / DMA / Property Mapping (Per Hour)	₹ 2,400	₹ 3,200	₹ 6,400
23	NMR For <sup>1</sup> H, <sup>13</sup> C, etc. (Per 10 Min slot)	₹ 250	₹ 300	₹ 600
24	<b>Rheometer</b>			
	Rheological Measurement (Room temp to high temp) (Per Hour)	₹ 1,200	₹ 1,600	₹ 3,200
	Low temp measurement to High Temp (Per Hour)	₹ 3,000	₹ 4,000	₹ 8,000
25	Raman Microscope (Per Half Hour)	₹ 1,200	₹ 1,600	₹ 3,200
	<b>LC-HRMS</b>			

26	Simple Direct Infusion <b>(Per 10 min.)</b>	₹ 1,500	₹ 2,000	₹ 4,000
	LC-HRMS Untargeted Run <b>(Per Half Hour)</b>	₹ 10,500	₹ 14,000	₹ 28,000
	Proteomics <b>(Per Half Hour)</b>	₹ 13,500	₹ 18,000	₹ 36,000
	Metabolomics <b>(Per Half Hour)</b>	₹ 10,500	₹ 14,000	₹ 28,000
	Imaging MS <b>(Per Half Hour)</b>	₹ 15,000	₹ 20,000	₹ 40,000
27	XRF <b>(Per half hour)</b>	₹ 3,000	₹ 4,000	₹ 8,000
28	DLS <b>(Per Half Hour)</b>	₹ 1,200	₹ 1,600	₹ 3,200
29	PPMS ** <b>(Per Hour)</b>	₹ 450	₹ 600	₹ 1,200
30	<b>Gleble 3800-GTC Simulation System</b>			
A	Hot Tensile Test / Hot Ductility Test / Welding Thermal Cycle Simulation Test (Using Tensile or Impact Specimen)	Below 1000 °C ₹ 3000	Below 1000 °C ₹ 4500	Below 1000 °C ₹ 9000
	<b>Per Sample (Maximum duration: 1 Hour)</b>	1000 °C and above ₹ 4000	1000 °C and above ₹ 9000	1000 °C and above ₹ 10000
B	Multi-pass Hot Rolling Simulation / Heat Treatment.	Below 1000 °C ₹ 6000	Below 1000 °C ₹ 9000	Below 1000 °C ₹ 15000
	<b>Per Sample (Maximum duration: 1 Hour)</b>	1000 °C and above ₹ 8000	1000 °C and above ₹ 12000	1000 °C and above ₹ 18000
C	CryoQuench#	Below 1000 °C ₹ 12000	Below 1000 °C ₹ 15000	Below 1000 °C ₹ 24000
	<b>Per Sample (Maximum duration: 1 Hour)</b>	1000 °C and above ₹ 14000	1000 °C and above ₹ 18000	1000 °C and above ₹ 25000
D	Thermal Fatigue Test <b>(Per Hour)</b>	Below 1000 °C ₹ 5000	Below 1000 °C ₹ 70000	Below 1000 °C ₹ 9000
		1000 °C and above ₹ 5500	1000 °C and above ₹ 7500	1000 °C and above ₹ 10000
	<b>Additional Charges: Per Additional Hour (up to 5 Hours)</b>	Below 1000 °C ₹ 2000	Below 1000 °C ₹ 3000	Below 1000 °C ₹ 5000
		1000 °C and above ₹ 2500	1000 °C and above ₹ 3500	1000 °C and above ₹ 5500
E	Dilation Test-Coventional <b>Per Sample (Maximum duration: 1 Hour)</b>	Below 1000 °C ₹ 5000	Below 1000 °C ₹ 8000	Below 1000 °C ₹ 10000
		1000 °C and above ₹ 6000	1000 °C and above ₹ 9000	1000 °C and above ₹ 12000
	<b>Additional Charges: Per Additional Hour (up to 5 Hours)</b>	Below 1000 °C ₹ 2500	Below 1000 °C ₹ 3500	Below 1000 °C ₹ 5000
		1000 °C and above ₹ 3000	1000 °C and above ₹ 4000	1000 °C and above ₹ 6000
F	High Strain Rate Tensile Test at Room Temperature <b>Per Sample (Maximum duration: 1 Hour)</b>	₹ 8,000	₹ 10,000	₹ 12,000
G	Continuous Casting Simulation	₹ 18,000	₹ 20,000	₹ 22,000

Additional Consumable (If Applicable)				
30	Optical Microscope (Per Half Hour)	₹ 300	₹ 400	₹ 800
31	Diamond Cutter (Per Half Hour)	₹ 300	₹ 400	₹ 800
32	Copper Grid for TEM	₹ 650 / grid		
33	Gold / Palladium Coating	₹ 300 / shot (Per Run)		
34	Microwave Digestion	₹ 400 / sample		
35	NMR Tube	₹ 400 / Tube		
<b>Important Notes</b>				
<p><b>Δ Samples containing noble metals and/or rare earth elements will be charged an additional ₹200 per element.</b></p>				
<p><b># With water quench, the charges will be 20 % extra and the CryoQuench sample will be done on the basis of availability of Liq Nitrogen Tank.</b></p>				
<p><b>## The above charges has been fixed for heating the sample through Joule Heating Technique, if user required the induction heating, the above charges will become 1.3 times.</b></p>				
<p><b>### User committee will decide the rate of other experiments not mentioned in the list.</b></p>				
<p><b>**EBSD will be operated only during odd hours (from 6:00 PM to 8:00 AM).</b></p>				
<p><b>* PPMS (Installation under progress / To be commissioned soon)</b></p>				
<p>Sample preparation is the responsibility of the user. All users must acknowledge the technical support/facility of the CIF, Indian Institute of Technology (BHU) in</p>				
<b>Booking Links</b>				
External (Intranet): <a href="https://ibs.iitbhu.ac.in/">https://ibs.iitbhu.ac.in/</a>				
Internal (Internet): <a href="https://iitbhu.ac.in/rnd/cif/labs">https://iitbhu.ac.in/rnd/cif/labs</a>				
<p><b>Payment Details : GST details are mandatory for billing. Users are requested to attach the payment reference, Institute GST number, and original requisition form for billing purposes.</b></p>				
	Account Holder	The Registrar, IIT (BHU)		
	Bank Name	State Bank of India		
	Branch	IT-BHU Branch		
	Account Type	Current		
	Account Number	32681045234		
	IFSC / MICR	SBIN0011445 / 221002036		
	<b>Payment Mode: NEFT / RTGS / Net Banking Only (18% GST will be applicable extra for BHU users and all external users.)</b>			
<p><b>Users seeking consultancy related to any facility may contact CIF directly. CIF will coordinate with the concerned faculty member/ expert for providing technical consultancy, analysis, or interpretation of results. The consultancy charges shall be decided by the concerned expert depending upon the nature and scope of the work requested.</b></p>				
<b>Contact Us on</b>				
	<b>Email: <a href="mailto:office.cif@itbhu.ac.in">office.cif@itbhu.ac.in</a></b>			
	<b>Technical Officer: <a href="mailto:ramesh.to@itbhu.ac.in">ramesh.to@itbhu.ac.in</a></b>			
	<b>Professor In-Charge: <a href="mailto:incharge.cif@iitbhu.ac.in">incharge.cif@iitbhu.ac.in</a></b>			