

**INSTITUTE INSTRUMENTATION CENTRE**  
**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE, ROORKEE-247667**

**LAB FEE/TESTING CHARGES FOR VARIOUS ANALYTICAL INSTRUMENTS (March 2024)**

**Note: For outside users in addition to the charges, GST @ 18.0% will be charged extra.**

**Kindly mention email id and mobile number in the application form.**

S. No.	Name of Equipment	IIT Roorkee Users (In ₹)	Outside Users [in addition to the charges, GST @ 18.0% will be charged extra]		
			Educational Institutes (In ₹)	Govt. R&D Labs (In ₹)	Industry (In ₹)
1)	FE-SEM (Apero, Zeiss)	100/- per hour with additional charge for coating @ 50/- per run	2,000/- per hour	3,000/- per hour	4,000/- per hour
2)	<b>EBSD Scan</b> (8 hrs) in FE-SEM (Apero)	300/-	3,000/-	10,000/-	20,000/-
3)	TEM	50/- per hour	2,500/- per hour	3,000/- per hour	5,000/- per hour
4)	SPM	50/- per hour	500/- per hour	1,000/- per hour	2,000/- per hour
5)	EPMA (Cameca)	500/- per hour	3,000/- per hour	4,000/- per hour	8,000/- per hour
6)	WD-XRF	100/- per sample	1,500/- per sample	2,500/- per sample	4,000/- per sample
7)	<b>XRF sample preparation using fusion bead</b>	50/- per sample	--	--	--
8)	Mol. Crystal Unit (MCU)	25/- per sample	2,000/- per sample	2,500/- per sample	4,000/- per sample
9)	MCU (ITC)	100/- per day	--	--	--
10)	Powder XRD	25/- per sample for normal scan 100/- per hour for slow scan	800/- per sample	1,000/- per sample	2,000/- per sample
11)	Thin Film XRD	25/- per sample for normal scan 100/- per hour for slow scan	1,000/- per sample	1,500/- per sample	4,000/- per sample
12)	XRD ( Pole Figure)	200/- per slot and duration of one slot will be 4 hours	--	--	--
13)	DTA/TGA	50/- per sample	1,000/- per sample	1,500/- per sample	3,000/- per sample
14)	FLS	100/- per hour (Max. 5 Nos. of samples)	500/- per hour (Max. 5 Nos. of samples)	1000/- per hour (Max. 5 Nos. of samples)	1500/- per hour (Max. 3 Nos. of samples)
15)	MPAES	50/- per sample	1,000/- per sample	1,500/- per sample	3,000/- per sample
16)	LC-ICPMS	150/- per sample	1,500/- per sample	2,000/- per sample	4,000/- per sample

17)	Microwave Sample Digestion		220/- per sample	2,000/- per sample	2,500/- per sample	3,000/- per sample
18)	ICPMS-MS	Up to 5 elements	50/- per sample	1,000/- per sample	1,500/- per sample	3,000/- per sample
		Above 5 elements	5/- for every additional element per sample	50/- for every additional element	50/- for every additional element	100/- for every additional element
19)	XPS (Survey and elemental scan)	Up to 5 elements / sample	200/-	2,000/-	2,000/-	4,000/-
		Above 5 elements / sample	50/- for every additional element	300/- for every additional element	300/- for every additional element	500/- for every additional element
	XPS (Depth profiling)	Up to 5 elements / sample	--	3,000/-	3,000/-	6,000/-
		Above 5 elements / sample	--	300/- for every additional element	300/- for every additional element	500/- for every additional element
	XPS (UPS)		200/-	2,000/-	2,000/-	3,000/-
20)	PPMS	0.5 day (12 hours)	200/-	4,000/-	4,000/-	6,000/-
		1 day (24 hours)	300/-	6,000/-	6,000/-	10,000/-
		2 days (48 hours)	500/-	10,000/-	10,000/-	15,000/-
21)	SQUID	0.5 day (12 hours)	200/-	4,000/-	4,000/-	6,000/-
		1 day (24 hours)	300/-	6,000/-	6,000/-	10,000/-
		2 days (48 hours)	500/-	10,000/-	10,000/-	15,000/-
22)	VSM - Lake Shore	4 hours	50/-	1,500/-	1,500/-	3,000/-
		8 hours	100/-	3,000/-	3,000/-	6,000/-
		16 hours	200/-	6,000/-	6,000/-	12,000/-
23)	NMR	--	10/- per hour, 200/- per day and 1000/- per week	500/- per hour per sample (with D2O, CDC13, DMSO)	500/- per hour per sample (with D2O, CDC13, DMSO)	3,000/- per hour (including Solvent & tube)
24)	EPR	--	60/- per hour	500/- per hour	1,500/- per hour	2,500/- per hour
25)	CD/ Fluorescence / UV Spectrophotometer	--	30/- per 3 hrs, 50/- per Day and 200/- per week	500/- per day	1,000/- per day	1,500/- per day
26)	LN <sub>2</sub> Plant	--	--	--	50/- per litre	100/- per litre
27)	UV-Vis-NIR spectrophotometer (Agilent Carry 5000)	--	100/- per hour	500/- per hour	1500/- per hour	2000/- per hour

\*Any other solvent (Acetone, Methanol, Acetonitrile etc. Rs. 800/Hour/Sample)

\* Rs. 250/Hr without solvent and NMR Tube

\* Additional Rs. 500/- for samples prepared in New NMR tube

**Note: For outside users in addition to above charges, GST @ 18.0% will be charged.**



**(Ramesh Chandra)**  
**Head, IIC**

**Name of equipment and contact person details:**

S. No.	Name of Equipment	Contact Person	Tel. 01332-28XXXX	Email
1)	TEM	Mr. Amit K. Sharma	4922	<a href="mailto:amit.mic2019@iitr.ac.in">amit.mic2019@iitr.ac.in</a>
2)	FE-SEM, UV-Vis NIR spectrophotometer (Agilent Carry 5000)	Dr. Shriniwas Yadav	4560	<a href="mailto:shriniwas.mic@iitr.ac.in">shriniwas.mic@iitr.ac.in</a>
3)	XPS, SPM, PPMS, SQUID, VSM	Dr. Vipin Chawla	4580	<a href="mailto:vipin.mic@iitr.ac.in">vipin.mic@iitr.ac.in</a>
4)	EPMA, XRF, Mol. Crystal Unit (MCU), ITC	Mr. Ravindra Saini Mr. Devendra Sharma	6272 6302	<a href="mailto:ravis.mic2014@iitr.ac.in">ravis.mic2014@iitr.ac.in</a> <a href="mailto:deva7830@gmail.com">deva7830@gmail.com</a>
5)	Powder XRD	Mr. Devendra Sharma Mr. Ravindra Saini	6302 6272	<a href="mailto:deva7830@gmail.com">deva7830@gmail.com</a> <a href="mailto:ravis.mic2014@iitr.ac.in">ravis.mic2014@iitr.ac.in</a>
6)	Thin Film XRD, XRD ( Pole Figure)	Mr. Ravindra Saini Mohd. Danish	6272 6302	<a href="mailto:ravis.mic2014@iitr.ac.in">ravis.mic2014@iitr.ac.in</a> <a href="mailto:danish.iic2019@iitr.ac.in">danish.iic2019@iitr.ac.in</a>
7)	DTA/TGA	Mr. Kamal S. Gotyan Mr. Avinash Chaudhry	5384 6293	<a href="mailto:kamalsic@iitr.ac.in">kamalsic@iitr.ac.in</a> <a href="mailto:avinash.mic@iitr.ac.in">avinash.mic@iitr.ac.in</a>
8)	NMR, EPR, CD, Fluorescence, UV spectrophotometer, TIMS, FLS	Dr. Jay S. Meena	5779	<a href="mailto:jsmeena.mic2018@iitr.ac.in">jsmeena.mic2018@iitr.ac.in</a>
9)	MPAES, ICPMS-MS, Microwave Digester, Liq. N <sub>2</sub>	Mr. Kamal S. Gotyan	5384	<a href="mailto:kamalsic@iitr.ac.in">kamalsic@iitr.ac.in</a> , <a href="mailto:kamalbul@gmail.com">kamalbul@gmail.com</a>

### **Equipment's Mode of Payment:**

The payment should be made in advance as under:

**(a) For Internal Users:** Testing charges will be deducted from the wallet of their respective supervisor during booking. The wallet may be charged by the faculty by sending an e-mail to Dean, SRIC/ AR (SRIC) with a copy to IIC at [iicbooking@iitr.ac.in](mailto:iicbooking@iitr.ac.in) (**IIC testing grant No.IIC-000-002**).

**(a) For External Users:** The Mode of Payment is strictly by online transfer through NEFT/RTGS/UPI. The details of account for the same is as under:

Name of A/c holder : Dean SRIC, IIT Roorkee  
Name of Bank : Punjab National Bank, IIT Roorkee branch  
Account No. : 4044000100031597  
IFSC Code : PUNB0404400  
MICR Code : 247024103

**GST No. of IIT Roorkee:** 05AAA LI003 3R1Z5

**NOTE:** The Equipment Requisition Form for samples analysis duly forwarded by the concerned Supervisor/HoD, with details of NEFT/RTGS/UPI transfer and GST number of the concerned Institute, may kindly be send along with the samples at the following address. Kindly also mention e-mail and mobile number of the user in the application.

The Equipment Requisition Form can be downloaded from the website of the Institute ([https://www.iitr.ac.in/centers/IIC/pages/Download\\_Forms.html](https://www.iitr.ac.in/centers/IIC/pages/Download_Forms.html))

The Head,  
Institute Instrumentation Centre,  
Indian Institute of Technology Roorkee  
Roorkee - 247667 (Uttarakhand) India

On the top of the envelope, also mention "Samples for \_\_\_\_\_characterization".