TARIFF SHEET

CENTRAL RESEARCH INSTRUMENTATION FACILITY (CRIF) w.e.f. 2026

Sl. No.	Name of the Instrument	Method / Condition		Tariff base	For NITW Students (18 % GST Extra)	For External Students (18 % GST Extra)	For Industry (18 % GST Extra)
1	400 MHz NMR	1H NMR	CDCL3	Per Sample	₹ 50 (Self Solvent) ₹ 100 (Institute Solvent)	₹ 400	₹ 800
			DMSO-d6 and other solvents	Per Sample	₹ 50 (Self Solvent) ₹ 200 (Institute Solvent)	₹ 500	₹ 1,000
			D2O for deuterium exchange	Per Sample	₹ 50 (Self Solvent) ₹ 200 (Institute Solvent)	₹ 800	₹ 1,200
		13 C NMR	CDCL3	Per Sample	₹ 100 (Self Solvent) ₹ 200 (Institute Solvent)	₹ 600	₹ 2,800
			DMSO-d6 and other solvents	Per Sample	₹ 100 (Self Solvent) ₹ 300 (Institute Solvent)	₹ 1,200	₹ 4,500
2	Powder XRD (Chemistry)			Per Hour	₹ 50 (Chemistry Dept.) ₹ 200 (For other Dept.)	₹ 600	₹ 1200
3	LC HR-MS			Per Sample	₹ 100	₹ 500	₹ 1,500
4	UTM	Room Temp		Per Sample	₹ 100	₹ 300	₹ 1000
		High Temp		Per Sample	₹ 200	₹ 600	₹ 2000
		Low Temp		Per Sample	₹ 200	₹ 600	₹ 2000
5	PCB Prototyping Design Facility (Engraving)	Single sided PCB (with Gerber file)		per sq. inch	₹ 100	₹ 200	₹ 400
		Single sided PCB (without Gerber file)		per sq. inch	₹ 150	₹ 300	₹ 500
		Double sided PCB (with Gerber file)		per sq. inch	₹ 200	₹ 400	₹ 600
		Double sided PCB (without Gerber file)		per sq. inch	₹ 250	₹ 500	₹ 1000
		Antenna Fabrication Single Side, material cost extra Rs 25 per sq. inch		per sq. inch	₹ 150	₹ 300	₹ 600
		Antenna Fabrication Double Side, material cost extra Rs 50 per sq. inch		per sq. inch	₹ 300	₹ 600	₹ 1200
6	UV-Vis-NIR Spectrophotometer	Room Temp		Per Sample	₹ 75	₹ 400	₹ 1200
				Per Hour	₹ 100	₹ 550	₹ 1750
7	Anechoic Chamber				Per Month	Per Sample	Per Sample
		Gain/2D Pattern/3D Pattern			₹ 200	₹ 1500	₹ 4500
		Axial Ratio			₹ 200	₹ 1000	₹ 3000
		GAIN + 2D Pattern			₹ 200	₹ 3000	₹ 7500
		GAIN + 2D Pattern + Axial Ratio			₹ 200	₹ 4000	₹ 10500
8	Two Port Vector Network Analyzer				Per Month	Per Sample	Per Sample
		S-Parameters (S11, S12, S22, S21)			₹ 200	₹ 1000	₹ 3000
9	Spectrum Analyzer				Per Month	Per Sample	Per Sample
		Spectrum plots (AM/FM/SSB modulations, Phase noise measurements, Channel powers, bandwidth measurements)			₹ 100	₹ 1000	₹ 3000
10	Powder XRD (MMED)			Per Hour	₹ 75 (For MME Dept.) ₹ 150 (For other Dept.)	₹ 600	₹ 1200
11	X-Band ESR Spectroscopy	Room Temp		Per Sample	₹ 200	₹ 500	₹ 1,500
12	Trinocular Polarizing Microscope			Per Hour	₹ 100	₹ 300	₹ 500
13	FTIR	Spectrum		Per Sample	₹ 50 (for EE Dept.) ₹ 100 (for other Dept.)	₹ 250	₹ 1000
14	SEM (MMED)	SEM		Per Sample	₹ 75 (For MME Dept.) ₹ 150 (For other Dept.)	₹ 1200	₹ 2500
		EDS		Per Sample	₹ 100 (For MME Dept.) ₹ 200 (For other Dept.)	₹ 1800	₹ 3200
15	TGDTA			Per Hour	₹ 100	₹ 500	₹ 1000
16	Simultaneous Thermal Analysis (STA)	TGA/ DSC		Per Hour	₹ 100	₹ 500	₹ 1000
		TGA + DSC		Per Hour	₹ 150	₹ 750	₹ 1500
17	Wide Range Fluorescence Spectrophotometer	Emission & Excitation Spectrum		Per Hour	₹ 100	₹ 600	₹ 1200
18	CHNSo Analyser	CHNSo Estimation		Per Sample	₹ 500	₹ 1500	₹ 3000

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19	PCB Fabrication & Ethiching Facility	Single sided PCB (with Gerber file)	per sq. inch	₹ 100	₹ 200	₹ 400
		Single sided PCB (without Gerber file)	per sq. inch	₹ 150	₹ 300	₹ 500
		Double sided PCB (with Gerber file)	per sq. inch	₹ 200	₹ 400	₹ 600
		Double sided PCB (without Gerber file)	per sq. inch	₹ 250	₹ 500	₹ 1000
		Antenna Fabrication Single Side, material cost extra Rs 25 per sq. inch	per sq. inch	₹ 150	₹ 300	₹ 600
		Antenna Fabrication Double Side, material cost extra Rs 50 per sq. inch	per sq. inch	₹ 300	₹ 600	₹ 1200
20	Vacuum Arc Remelting Furnace		Per Sample	₹ 100	₹ 300	₹ 800
21	FESEM (Physics)	Images/EDS/Mapping	Per Sample	₹ 300 (Physics Dept.) ₹ 600 (for other Dept.)	₹ 1000	₹ 4000
		Images+EDS/Images+Mapping/EDS+Mapping	Per Sample	₹ 400 (Physics Dept.) ₹ 700 (for other Dept.)	₹ 1200	₹ 5000
		Images+EDS+Mapping	Per Sample	₹ 500 (Physics Dept.) ₹ 800 (for other Dept.)	₹ 1400	₹ 6000
22	BET Surface Analyzer (Chemistry)	Powder only surface area	Per Sample	₹ 200	₹ 1000	₹ 2000
		Powder (Ads and Des, pore volume, pore size and T plot)	Per Sample	₹ 500	₹ 2000	₹ 4000
		MICROPORE (ADS AND DES -49 POINTS) PORE VOLUME ,SIZE AND SURFACE AREA	Per Sample	₹ 800	₹ 3000	₹ 5000
23	3D Surface Profilometer		Per Hour	₹ 200	₹ 500	₹ 1000
24	Liquid Nitrogen Plant (Chemistry)		Per Litre	₹ 10 (Chemistry Dept.) ₹ 25 (for other Dept.)	₹ 45	₹ 45
25	Semi-Automatic Wire Bonder	< 10 bonds (**Note 1:** Type of Bonds that can be made: Wedge - Wedge Wedge-Ball Ball - Ball. **Note 2**: Bonding Material: Gold, Aluminium)		₹ 1600	₹ 3000	₹ 4500
		>10 and < 20 bonds		₹ 3000	₹ 5500	₹ 7000
		>20 and < 30 bonds		₹ 5500	₹ 8500	₹ 10000
		>30 and < 40 bonds		₹ 8500	₹ 11500	₹ 13000
		>40 and < 50 bonds		₹ 11500	₹ 14500	₹ 16000
26	Sputter Coater (MMED)	Upto 7 powder samples/Upto 4 bulk samples		₹ 300	₹ 300	₹ 300
27	Impedance Analyser	Room Temp	Per Hour	₹ 100	₹ 300	₹ 1000
		High Temp	Per Hour	₹ 150	₹ 450	₹ 1500