

Central Research Facility IIT Delhi Charge List

Sr. No.	CRF Lab Name	Instrument Name / Testing Mode	Charges Slot Category	External academic users (Student / Faculty) *	Govt. R&D Institutions / laboratories	Industries User
1	Advanced Electrical Characterization (AECL)	Cryo Prober	Per slot	Rs. 5,000 + 18%	Rs. 30000+18%	Rs .30000+18%
		DC & Noise	Per slot	Rs. 2500+ 18%	Rs. 10000+18%	Rs .10000+18%
		Solar Simulator	Per slot	Rs. 1250+18%	Rs. 5000+18%	Rs. 5000+18%
		RF Loadpull	Per slot	Rs. 2500+18%	Rs. 15000+18%	Rs. 15000+18%
2	Atom Probe Tomography Facility (APT)	APT	Per Sample	Rs. 3000 + 18%	Rs. 3000 + 18%	Rs.5000 + 18%
3	Atomic Force Microscope (AFM)	Imaging	Per Sample	Rs.1500+18%	Rs 3000 +18%	Rs 6000 + 18%
		Force Spectroscopy	Per Sample	Rs. 2500 + 18%	Rs. 5000+18%	Rs. 10500+18%
		Liquid Cell	Per Sample	Rs. 4500 + 18%	Rs. 9500+18%	Rs. 19000+ 18%
4	3D Lab *	3 D Printer	Per Job	Rs. 100	Rs. 100	Rs.100
		Laser Cutting	Per Job	Rs. 100	Rs. 100	Rs.100
* For 3 D Lab Charges should be as per time taken in job so before booking please contact to lab staff for job cost .						
5	BET Facility (Sonipat)	Brunauer - Emmett - Teller (BET)	Per Sample	Rs. 2000 + 18%	Rs. 2000 + 18%	Rs. 4000 + 18%
6	BIO-AFM	Bio-AFM Imaging	Per Sample	Rs. 1500 + 18%	Rs. 4500 + 18%	Rs. 4500 + 18%
7	Chemical Synthesis and Characterisation lab	Synthesis Lab	Per Day	Rs.250+ 18%	Rs.250+ 18%	Rs. 1000 + 18%
		Characterisation lab	Per Day	Rs.250+ 18%	Rs.250+ 18%	Rs. 1000 + 18%
		GCMS	Per Sample	Rs 750+ 18%	Rs.1500+ 18%	Rs. 3000 + 18%

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8	Chemisorption catalyst analyser Lab (Sonipat)	BELCAT II	Per Sample	Rs 1100+ 18%	Rs 1100+ 18%	Rs 4000+ 18%
8	CIRCULAR DICHROISM SPECTROMETER (CD)	Circular Dichroism (CD) MOS-500	Per Hour	Rs 1000 + 18%	Rs 1000 + 18%	Rs 2000 + 18%
9	Confocal Facility	Confocal Microscope	Per sample	Rs 1000 + 18%	Rs 2000 + 18%	Rs 2000 + 18%
10	Cell Biology Lab (Sonipat Campus)	Confocal Microscope Leica TCS SP8	Per sample	Rs. 1000 + 18%	Rs 2000 + 18%	Rs. 2500 + 18%
		BD FACS Aria-III	Per Hour	Rs. 2000 + 18%	Rs. 2000 + 18%	Rs.4000 + 18%
		BD FACS Aria-III (Analysis)	Per Hour	Rs. 1000 + 18%	Rs. 1000 + 18%	Rs. 2000 + 18%
		Lyophilizer-FD-5	Per sample	Rs. 500 + 18%	Rs. 800 + 18%	Rs. 1500 + 18%
		CentriVap Centrifugal Vacuum Concentrator	Per sample	Rs.400+ 18%	Rs. 500 + 18%	Rs. 1100 + 18%
		Spectra Max M2e Microplate Reader	Per sample	Rs.400+ 18%	Rs. 500 + 18%	Rs. 1100 + 18%
		Optima XPN-100 Ultracentrifuge	Per sample	Rs.400+ 18%	Rs. 500 + 18%	Rs. 1100 + 18%
		FPLC (Fast protein liquid	Per sample	Rs.400+ 18%	Rs. 500 + 18%	Rs. 1100 + 18%
		ChemiDoc XRS + System	Per sample	Rs.400+ 18%	Rs. 800 + 18%	Rs. 1000 + 18%
		Real-Time PCR Detection system	Per sample	Rs.800+ 18%	Rs. 1000 + 18%	Rs. 1500 + 18%
		BiacoreX100(SPR)	Per sample	Rs.2500+ 18%	Rs. 3500 + 18%	Rs. 3500 + 18%
Amersham Typhoon Biomolecular Imager	Per sample	Rs.800+ 18%	Rs. 1000 + 18%	Rs. 1500 + 18%		

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11	DBEB Instrument Lab	HPLC	Per Sample	Rs 1500 + 18%	Rs 2500 + 18%	Rs 4000 + 18%
		Atomic Absorption Spectrometer	Per Sample	Rs 310 + 18%	Rs 620 + 18%	Rs 1550 + 18%
		CHNS / Element ANALYSER	Per Sample	Rs 4500 + 18%	Rs 5000 + 18%	Rs 6000 + 18%
		Gas Chromatography (GC)	Per Sample	Rs. 1000 + 18%	Rs. 1800 + 18%	Rs. 2500 + 18%
		FPLC	Per Sample	Rs. 310 + 18%	Rs. 620 + 18%	Rs. 2500 + 18%
		Fluorimeter	Per Sample	Rs. 410 + 18%	Rs . 510 + 18%	Rs. 1100 + 18%
12	EPMA Facility	EPMA 1720HT	Per Sample	Rs 1500+ 18%	Rs 3000+ 18%	Rs3000+ 18%
13	EPR Spectroscopy Lab	Electron Paramagnetic Resonance	Per sample	Rs 500+ 18%	Rs 500+ 18%	Rs 1000+ 18%
		Room temperature (powder, solution, crystals, etc.)	Per sample	Rs 500+ 18%	Rs 500+ 18%	Rs 1000+ 18%
		Variable temperature measurements (100-600 K), powder, solution, etc	Per sample	Rs 700 + 18%	Rs 700 + 18%	Rs 1500 + 18%
		Single crystals using goniometer at room temperature (per rotation)	Per sample	Rs 500+ 18%	Rs 500+ 18%	Rs 2000+ 18%
		Single crystals using goniometer at room temperature (per rotation)	Per sample	Rs 500+ 18%	Rs 700+ 18%	Rs 2500+ 18%
14	ESI-LC-MS	ESI-MS	Per Sample	Rs 1050 + 18%	Rs 2000 + 18%	Rs 2800 + 18%
		ESI-MS/MS	Per Sample	Rs 1800 + 18%	Rs 3500 + 18%	Rs 4800 + 18%
		LC MS/MS	Per Sample	Rs 6000 + 18%	Rs 10000 + 18%	Rs 16000 + 18%

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15	FACS Lab (Shared)	BD FACS ARIA III	Per Sample	Rs 1000 + 18%	Rs 2500 + 18%	Rs 3500 + 18%
16	Femto SLCS Lab	Femtosecond Laser Cutting System	Per Sample	Rs 2000 + 18%	Rs 3000 + 18%	Rs 3000 + 18%
17	FESEM (EX-Hall)	FESEM	Per Sample	Rs 1250 + 18%	Rs 3000 + 18%	Rs 3000 + 18%
		FESEM-EDX	Per Sample	Rs 1800 + 18%	Rs 3000 + 18%	Rs 5000 + 18%
18	FESEM EDX Block-4	Field Emission SEM	Per Sample	Rs 1250 + 18%	Rs 3000 + 18%	Rs 3000 + 18%
		Field Emission SEM With EDS	Per Sample	Rs 1800 + 18%	Rs 5000 + 18%	Rs 5000 + 18%
19	FTIR Lab (CRF Block-5)	FTIR Nicolet iS05	Per Sample	Rs 750 + 18%	Rs 2500 + 18%	Rs2500 + 18%
20 *	GLASS BLOWING WORKSHOP	Glass Blowing Jobs	Per Booking	Rs. 100 + 18%	Rs. 100 + 18%	Rs.100 +18%
* For Glass Blowing workshop Lab Charges should be as per time and consumable taken in job so before booking please contact to lab staff for job cost .						
21	HR-TEM (Block -VI)	HR-TEM	Per Sample	Rs 2800 + 18%	Rs 7800 + 18%	Rs 7800 + 18%
22	HRTEM Lab KSBS	HR TEM	Per Sample	Rs 2800 + 18%	Rs 7800 + 18%	Rs 7800 + 18%
		Cryo HR TEM	Per Sample	Rs 18000 + 18%	Rs 7800 + 18%	Rs. 40000 + 18%

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	HRTEM - 200 KeV (Sonipat Campus)	JEOL HRTEM -200KeV	Per Sample	Rs 2800 + 18%	Rs 5300 + 18%	Rs 7800 + 18%
23	ICP MS	ICP MS (Liquid Sample)	Per Sample	Rs 700 + 18%	Rs 2100 + 18%	Rs. 2100 + 18%
		ICP MS (Solid Sample)	Per Sample	Rs 1000 + 18%	Rs 2500 + 18%	Rs. 2500 + 18%
24	Ion Milling (Sonipat Campus)	Ion Milling System	Per Sample	Rs 3000 + 18%	Rs 3000 + 18%	Rs. 5000 + 18%
25	Liquid Nitrogen Facility	Liquid Nitrogen	Per Ltr.	Booking Not Applicable	Booking Not Applicable	Booking Not Applicable
26	Makerspace IITD	All Instruments	Per Job	Rs 0	Rs 0	Rs 0
27	Mass Spectrometry Lab	MALDI-MS (Intact Mass/ MW Determination)	Per Sample	Rs . 700 + 18%	Rs 1500 + 18%	Rs 1800 + 18%
		MALDI-MS (Peptide Mass Fingerprinting)	Per Sample	Rs 1275+ 18%	Rs 3000 + 18%	Rs 3400 + 18%
		MALDI-MS/MS	Per Sample	Rs 2250 + 18%	Rs. 4500 + 18%	Rs 6000 + 18%
28	MBE Lab (Sonipat Campus)	Spectroscopic Ellipsometry	Per Sample	Rs 500 + 18%	Rs 500 + 18%	Rs. 1000 + 18%

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29	Micro Raman Spectroscopy Facility	Micro Raman Spectroscope 514 nm	Per Sample	Rs 600 + 18%	RS 6050 + 18%	RS 6050 + 18%
		Micro Raman Spectroscope785 nm	Per Sample	Rs 600 + 18%	RS 6050 + 18%	RS 6050 + 18%
30	MPMS3 SQUID Magnetometer Facility	MPMS3 SQUID Magnetometer	Per Sample	Rs 3500 + 18%	Rs 3500 + 18%	Rs. 8000 + 18%
		MPMS3 SQUID Magnetometer (Primum Slots)	Per Sample	Rs 4000 +18%	Rs 4000 +18%	Rs 10000 +18%
31	Multi-Functional Tribotester	Scratch and Indentation Testing	Per sample	Rs 600 + 18%	Rs 600 + 18%	Rs 1500 + 18%
		Reciprocatory mode	Per sample	Rs 600 + 18%	Rs 600 + 18%	Rs 1500 + 18%
		Rotary mode	Per sample	Rs 600 + 18%	Rs 600 + 18%	Rs 1500 + 18%
32	NMR 400 (Solid and Liquid) Facility	NMR 400MHz Solid Probe	Per Slot (2 Hour)	Rs. 5000+ 18%	Rs 10900 + 18%	Rs 10900 + 18%
		NMR 400Mhz Solid Probe (Long Run)	Full Night	Booking Not Applicable	Booking Not Applicable	Booking Not Applicable
33	NMR Central Facility	NMR 400 MHz (Multinuclei)	Per Sample	Rs 1000 + 18%	Rs 3000 + 18%	Rs 3000 + 18%
		NMR 400 MHz (Proton)	Per Sample	Rs 250 + 18%	Rs 800 + 18%	Rs 800 + 18%
		NMR 400MHz (Proton cum Multinuclear)	Per Sample	Booking Not Applicable	Booking Not Applicable	Booking Not Applicable
		NMR 500 MHz (Multinuclei)	Per Sample	Rs 1000 + 18%	Rs 3000 + 18%	Rs 3000 + 18%

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		NMR 500 MHz (Proton)	Per Sample	Rs 250 + 18%	Rs 1000 + 18%	Rs1000 + 18%
		NMR 500MHz (Proton cum Multinuclear)	Per Sample	Booking Not Aapplicable	Booking Not Aapplicable	Booking Not Aapplicable
		NMR 400MHz Jeol Liquid State Proton	Per Sample	Rs 250 + 18%	Rs 800 + 18%	Rs 800 + 18%
		NMR 400MHz Jeol Liquid State Multinuclei	Per Sample	Rs 1000 + 18%	Rs 3000 + 18%	Rs 3000 + 18%
		NMR 400MHz Jeol Solid State Proton	Per Sample	Rs 1500 + 18%	Rs 1500 + 18%	Rs 7000 + 18%
		NMR 400MHz Jeol Solid State Multinuclei	Per Sample	Rs 3000 + 18%	Rs 3000 + 18%	Rs 10000 + 18%
34	Photoluminescence Lab	Time Resolved and Steady State PL	Per sample	Rs 1000 + 18%	Rs 2000 + 18%	Rs 2500 + 18%
35	PPMS Facility Sonipat Campus	PPMS	Per Slot (8 Hour)	Rs 4000 + 18%	Rs 4000 + 18%	Rs 8000 + 18%
		PPMS (Premium)	Per Slot (8 hour)	Rs 4000 + 18%	Rs 4000 + 18%	Rs 8000 + 18%
36	RF and Microwave Facility	Antenna Test Setup	Per Sample	Rs 600 + 18%	Rs 600 + 18%	Rs 1000 + 18%
37	Rheometer (CRF Sonipat Campus)	Rheometer ARES-G2	Per Sample	Rs 1200 + 18%	Rs 1200 + 18%	Rs 2400 + 18%

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38	SAXS Sonipat Campus	SAXS Point	Per Sample	Rs 750 + 18%	Rs 750 + 18%	Rs 2000 + 18%
		SAXS Heated - Cryo	Per Sample	Rs 1000 + 18%	Rs 1000 + 18%	Rs 4000 + 18%
39	SEM LAB	SEM	Per Sample	Rs 750 + 18%	Rs 2000 + 18%	Rs 2000 + 18%
		EDX	Per Sample	Rs 1000+ 18%	Rs 2500 + 18%	Rs 2500 + 18%
		Ultramicrotome	Per Sample	Rs 1500 + 18%	Rs 4500 + 18%	Rs 4500+ 18%
		FESEM- TESCAN	Per Sample	Rs 1250 +18%	Rs 3000 + 18%	Rs. 3000 + 18%
		FESEM-EDX TESCAN	Per Sample	Rs 1800 + 18%	Rs 5000+ 18%	Rs 5000+ 18%
		STEM	Per Sample	Rs 2000 + 18%	Rs 4000 + 18%	Rs 8000 + 18%
40	SQUID Lab	SQUID Magnetometer	Per Sample	Rs 2000 + 18%	Rs 3500 + 18%	Rs 3500 + 18%
41	TEM Grids Central Facility	Carbon Coated Copper Grid	Per Grid	Booking Not Applicable	Booking Not Applicable	Booking Not Applicable
		Carbon Coated Nickel Grid	Per Grid	Booking Not Applicable	Booking Not Applicable	Booking Not Applicable
		Holey Carbon Copper Grid	Per Grid	Booking Not Applicable	Booking Not Applicable	Booking Not Applicable
42	TEM Lab (EX Hall)	TEM (CPSE)	Per Sample	Rs 2000 + 18%	Rs 3000+ 18%	Rs 4500 + 18%
		TEM (CRF)	Per Sample	Rs 2000 + 18%	Rs 3000+ 18%	Rs 4500 + 18%
43	Thermal Series Sonipat Campus	Differential Scanning Calorimeter DSC2500	Per Sample	Rs 2000 + 18%	RS 2000 + 18%	Rs 4000 +18%

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		Simultaneous Thermal Analyzer SDT650	Per Sample	Rs 1000+ 18%	Rs 1000+ 18%	Rs 2000 + 18%
		Dynamic Mechanical Analysis DMA850	Per Sample	Rs 2000 + 18%	Rs 2000 + 18%	Rs 3000 + 18%
44	TOF-SIMS Lab (Sonipat)	TOF-SIMS	Per Sample	Rs 2000 + 18%	Rs 2000 + 18%	Rs 4000 + 18%
45	UTM (Sonipat Campus)	Static UTM	Per sample	Rs 500 + 18%	Rs 500 + 18%	Rs 1000 + 18%
		Dynimic UTM	Per Hour	Rs 600 + 18%	Rs 600 + 18%	Rs 1500 + 18%
		Dynimic UTM (Life Cycle)	Per Million Cycle	Rs 15000 + 18%	Rs 15000 + 18%	Rs 30000 + 18%
46	UV-VIS-NIR SPECTROMETER	UV-VIS Absorption spectroscopy	Per Sample	Rs 500 + 18%	Rs 1000 + 18%	Rs 2000 + 18%
		UV-VIS Diffuse Reflectance Spectroscopy	Per Sample	Rs 500 + 18%	Rs 1000 + 18%	Rs 2000 + 18%
47	WIRE ELECTRO-DISCHARGE MACHINE (EDM)	Wire EDM	Per hour	Rs 800 + 18%	Rs 800 + 18%	Rs 1200 + 18%
48	XPS Sonipat Campus	AXIS Supra	Per Sample	Rs 1500 + 18%	Rs 1500 + 18%	Rs 3000 + 18%
		XPS (Premium Slot)	Per Sample	Rs 3000 + 18%	Rs 3000 + 18%	Rs 6000 + 18%
49	XRD Lab (Textile)	XRD -Textile	Per Sample	Rs 500+ 18%	Rs 1500 + 18%	Rs 1500 + 18%

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50	XRD Sonipat Campus	Gonio (theta /2 theta)	Per Sample	Rs 500+ 18%	Rs 500 + 18%	Rs 1500 + 18%
		HRXRD- (GIXRD/XRR/PHI/ OMEGA-ROCKING)	Per Sample	Rs 500+ 18%	Rs 500 + 18%	Rs 1500 + 18%
		HRXRD-RSM	Per Sample	Rs 500+ 18%	Rs 500 + 18%	Rs 1500 + 18%
		Residual Stress/Texture (Pole Figure)	Per Sample	Rs 500+ 18%	Rs 500 + 18%	Rs 1500 + 18%
		Low Temperature Gonio (up to 12K)	Per Sample	Rs 750+ 18%	Rs 750 + 18%	Rs 2150 + 18%

*** Universities/institutes funded by Haryana State Government are eligible for a 50% discount on testing charges at the CRF facilities available at Sonipat Campus only. To avail of this discount, users must provide valid identity proof at the time of appointment, failing which users will be charged as per the external academic charges.**

Payment Method for External User

NON IIT Delhi User can pay amount online using following details:

Beneficiary/Customer's Name: IRD ACCOUNT IITD

Bank Account Number: 10773572600

Bank Name: State Bank of India

Branch Name: IIT Branch

Branch Code: 01077

NEFT IFSC CODE / RTGS: SBIN0001077

please write "CRF IITD Testing Charges" in the Remarks section while paying. Save the receipt file and send it to us at

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crf.info.iitd@gmail.com and mention online CRF application ID Number for payment invoice . Payment can also made in form of demand draft in favour of " IRD ACCOUNT IITD " Payable at New Delhi.						