

CSIR-CENTRAL ELECTROCHEMICAL RESEARCH INSTITUTE

KARAIKUDI - 630 003

**Analysis charges per sample for the Central Instrumentation Facilities effect from
01-07-2017**

S No.	Name of the Facility	Concessional charges in INR		
		For Industries	For R&D labs	For Academic Institutions / CSIR Las
1.	UV-VIS-NIR Spectrometer			
	Liquid	₹1600	₹800	₹400
	Solid	₹1600	₹800	₹400
2.	Fluorescence Spectrometer / Photo luminescence	₹1600	₹800	₹400
3.	FT-IT Spectrometer	₹1600	₹800	₹400
4.	FT-RAMAN Spectrometer	₹3200	₹1600	₹800
5.	Laser Raman Spectrometer	₹3200	₹1600	₹800
6.	Scanning Electron Microscope			
	SEM image	₹4000	₹2000	₹1000
	EDAX	₹3200	₹1600	₹800
7.	Field Emission Scanning Electron Microscope			
	Image	₹6400	₹3200	₹1600
	EDAX	₹4000	₹2000	₹1000
8.	Atomic Force Microscope	₹10400	₹5200	₹2600
9.	Nuclear Magnetic Resonance Spectrometer			
	Proton NMR / ¹ H	₹3600	₹1800	₹900
	³¹ P / ²⁹ Si / ²⁷ Al / ²³ Na + other nuclei NMR	₹3600	₹1800	₹900
	¹³ C NMR	₹4800	₹2400	₹1200
	¹⁹ F NMR	₹4800	₹2400	₹1200
	¹ D NMR	₹4800	₹2400	₹1200
	² D NMR	₹8000	₹4000	₹2000
	Solid Mode NMR	₹6000	₹3000	₹1500
10.	EPR / ESR Spectrometer			
	ESR at Room Temperature	₹3200	₹1600	₹800
	ESR at Liquid Nitrogen Temperature	₹16800	₹8400	₹4200
11.	Particle Size Analyser	₹1600	₹800	₹400
12.	X-ray Diffractometer			
	Normal Scan	₹2000	₹1000	₹500

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	Slow Scan	₹5200	₹2600	₹1300
	Thin Film	₹5200	₹2600	₹1300
	High Temperature	₹8000	₹4000	₹2000
13.	2D XRD Charges	₹8000	₹4000	₹2000
14.	SAXS(Small/Low Angle XRD)	₹16000	₹8000	₹4000
15.	X-ray Fluorescence Spectrometer	₹3200	₹1600	₹800
16.	X-ray Photoelectron Spectroscopy(XPS/ESCA)	₹18400	₹9200	₹4600
17.	Physical Property Measurement System	₹6000	₹3000	₹1500
18.	Transmission Electron Microscope			
	TEM image	₹20800	₹10400	₹5200
	EDAX	₹5200	₹2600	₹1300
19.	High Resolution Transmission Electron Microscope			
	HRTEM image	₹22000	₹11000	₹5500
	EDAX	₹12000	₹6000	₹3000
20.	TMDSC	₹6400	₹3200	₹1600
21.	GC-MS Spectrometer	₹5200	₹2600	₹1300
22.	Micro-hardness tester	₹2000	₹1000	₹500
23.	Mercury Intrusion Porosimeter	₹3200	₹1600	₹800
24.	GEL Permeation Chromatograph / High Performance Liquid Chromatography	₹4000	₹2000	₹1000
25.	Elemental Analyser			
	CHN	₹2400	₹1200	₹600
	CHNS	₹4000	₹2000	₹1000
26.	Atomic Absorption Spectrometer			
	AAS – ppm level	₹800	₹400	₹200
	AAS – PPB level	₹4000	₹2000	₹1000
27.	Simultaneous TG / DTA	₹6400	₹3200	₹1600
28.	LC-MS / MS			
	MS-MS (only) with APCI or ESI	₹4000	₹2000	₹1000
	LC-MS-MS(without Solvent)	₹6000	₹3000	₹1500
29.	Confocal Laser Scanning Microscope	₹4000	₹2000	₹1000
30.	Zeta Potential	₹10000	₹5000	₹2500
31.	Cyclic Voltammetry	₹2800	₹1400	₹700
32.	Impedance Analysis	₹2800	₹1400	₹700
33.	Surface Area	₹6000	₹3000	₹1500
34.	ICP-MS	₹8000	₹4000	₹2000
35.	Ion Chromatography	₹2000	₹1000	₹500

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36.	Metallurgical Microscope	₹1600	₹800	₹400
37.	Scanning Vibrating Electrode System	₹26000	₹13000	₹6500
38.	Gas Chromatography	₹3200	₹1600	₹800



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