

Characterization Equipments	Charges in Rs. (per sample)
Fourier Transform-Infra Red Spectroscopy (FTIR)	750
Gas Chromatography Mass Spectrometry (GC-MS) (Qualitative analysis)	2500
GC-TCD	1000
GC-FID	1000
GCMS: Additional charge for head space analysis per sample	3500
GCMS: Additional charge for Method Development	3500
CHNS Estimation	1500
Inductively Coupled Plasma-Optical Emission Spectroscopy (ICP-OES) (for 3 elements) For each additional element	1500 for five elements (except As, Au, Pt, Se) + Rs. 100 per extra element
UV-VIS spectrophotometer	800
Particle Size Analyzer	600
Powder X-ray Diffractometer (PXRD)	1000
Thin Film X-ray Diffractometer	1500
Drop Shape Analyzer	200
Atomic Force Microscopy (AFM)	1500
Photo Luminescence Spectrometer (Perkin Elmer)	1000
Thermomechanical Analysis (TMA) (To measure Thermal Expansion Coefficients)	1000
High Performance Liquid Chromatography (HPLC): Qualitative Analysis	1200
High Performance Liquid Chromatography (HPLC): Quantitative Analysis	2000
Physical parameters (Conductivity, Turbidity, pH & DO)	500
Rheometer (To measure Dynamic Viscosity)	500
Raman Spectroscopy	1000
Thermogravimetric Analysis (TGA)	1000
Differential Scanning Calorimetry (DSC)	1000
3D Printer	500 per Hr (design as per user)
Electrochemical Workstation (Metrohm M204)	1000 per sample/4500 per day
Laser Cutter/Engraver	650/Hr (user need to provide material)
Screen Printer	500/Hr (user need to provide material)
Optical microscope with digital camera	200/sample/hr
Biochemical Oxygen Demand (BOD)	800
Bomb Colorimeter	500
Vacuum Oven	200 per hour
Planetary Ball Mill	200 per hour
Coin cell fabrication	For a batch of 5 cells 7500 10000 (if coin cell case, electrolyte and

	Na/Li metal are provided by UPES)
Synthesis Equipments	Items provided by user
RF Magnetron Sputtering	5500 (substrate and target)
RF Magnetron Sputtering	6000 (substrate)
DC Magnetron Sputtering	4500 (substrate and target)
DC Magnetron Sputtering	5000 (substrate)

GST (18%) applicable on charges

For industry users 50% extra will be charged.