

**University Institute of Chemical Technology,**

**Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon.**

**Testing Charges of Material Characterization Facilities**

Sr. No.	Name of Instrument	Measuring capabilities	KBCNMU campus and Affiliated colleges (in Rs./Sample)		Educational Institutes other than KBCNMU/ Govt. R & D Labs. (in Rs./Sample)		Industry (in Rs./Sample) Plus 18% GST	
1	FESEM (01 slot = 4 samples)	Ultrafine imaging up to 800k, EDXS	SEM	2000	SEM	4000	SEM	8000
			EDX	500	EDX	1000	EDX	2000
			GOLD Coating	500	GOLD Coating	1000	GOLD Coating	2000
2	XRD	Phase identification Quantitative analysis, Lattice parameter detection, Percent crystallinity	500		1000		2000	
3	DSC	Melting temp. detection, Glass transition temp., Specific heat, Enthalpy	600		1200		2400	
4	TGA	Degradation temp., Weight loss	500		1000		2000	

5	FTIR (ATR)	Determination of Functional group, Qualitative & Quantitative determination	150	300	600
6	UV-Visible Spectrophotometer	Qualitative & Quantitative analysis, Determination of percentile comp., Reaction kinetics, Deter. of optical density, absorbance, transmittance, reflectance, etc.	100	200	400
7	Colour Matching Spectrophotometer	L, a, b values, % strength, k/s Vs Wavelength values & graphs	150	300	600
8	Particle Size Analyzer (DLS)	Average particle size, particle size distribution, Zeta potential	400	800	1600
9	Spectro fluorophotometer	Fluorescent properties	200	400	800
10	Contact Angle	Determination of wettability of materials	250	500	1000
11	Scanning Probe Microscopy	Surface Topography	500	1000	2000
12	Raman Spectroscopy	Raman Properties	250	500	1000

13	Rheometer	Viscosity, Gel strength	400	800	1600
14	Universal Testing Machine for plastics & plastics composites	Tensile strength, Flexural strength, Compressive strength	250	500	1000
15	Limiting Oxygen Index	Flame properties of plastics	250	500	1000
16	Smoke Density Analysis	Smoke density of burning samples	250	500	1000

**Note:**

1. The Testing Charges should be deposited by Challan in Central Bank of India, KBCNMU, Jalgaon. No Cash payments will be accepted.

OR

The Demand Draft should be in favour of “The Finance & Accounts Officer, KBCNMU, Jalgaon”.

2. For samples from industry, GST @ 18% will be levied as extra as per the norms of university.