

Sl. No	Instrument Name	Analysis details	No. of Samples	Charges (Rs).		
				Educational Institution	R&D/National Lab	Industry
1.	Thermo Gravimetric Analyzer (TGA)	Material Characterization by thermal analysis (Solid sample)	1 sample 2-5 samples 5-10 samples Above 10 samples	400 per hour 300 per hour 250 per hour 200 per hour	800 per hour 600 per hour 500 per hour 400 per hour	1500 per hour 1200 per hour 1000 per hour 800 per hour
2.	Differential Scanning Calorimeter (DSC)	Material Characterization by thermal analysis (Solid sample)	1 sample 2-5 samples 5-10 samples Above 10 samples	450 per hour 350 per hour 300 per hour 250 per hour	900 per hour 700 per hour 600 per hour 500 per hour	1600 per hour 1400 per hour 1200 per hour 1000 per hour
3.	CHNS/O Analyzer	Elemental characterization (Quantification) for solid samples	1 sample CHN Mode Oxygen Mode 2-5 samples CHN Mode Oxygen Mode Above 5 samples CHN Mode Oxygen Mode	750 per sample 750 per sample 600 per sample 600 per sample 500 per sample 500 per sample	1400 per sample 1400 per sample 1200 per sample 1200 per sample 1000 per sample 1000 per sample	2200 per sample 2200 per sample 1800 per sample 1800 per sample 1500 per sample 1500 per sample
4.	FTIR Spectroscopy	Spectral analysis for liquid and solid samples using Fourier Transform IR principle	-	75 per sample	150 per sample	250 per sample
5.	ICP-OES	Analysis of elements	Basic charge For additional elements Microwave digestion charges	340 per sample 70 per element 450 per sample	1020 per sample 210 per element 450 per sample	2250 per sample 450 per element 450 per sample

			2-5 samples 6-10 samples 10-16 samples	562 per sample 810 per sample 2250 per sample	562 per sample 810 per sample 2250 per sample	562 per sample 810 per sample 2250 per sample
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Note:

1. TGA, DSC instruments are operated on hour basis. Extra charges Rs.100/-, 200/- 300/- for Educational Institute, National Laboratory, Industry will be applicable respectively.
2. Service tax @12.36% is applicable extra and it is 5% for Educational Institution.
3. Samples will be analyzed once in a week and it depends on accumulation of sample at Chemical Engineering Department.
4. Student/Employee is requested to see the make, model, specification and working condition of the instruments before apply.
5. Student/Employee is requested to submit the nature of the sample preparation along with application form.
6. Student/Employee is requested to bring clean sample of minimum quantity with proper order and labeling.
7. Application form should be submitted offline along with DD in favor of The Director, NIT Trichy payable at Tiruchirappalli to Head, Chemical Engineering Department. The sample will be processed subject to submission & approval of payment by concerned.
8. For further details please contact Head Chemical Engineering Department, NITT.