

## ANNEXURE-II

Analysis charges (in INR) for using instruments in CIF

S. No.	Instrument Name	Internal (per sample/per hour)	Academia/R&D (per sample/per hour)	Industry (per sample/per hour)
1	Powder XRD (Bruker D8 Advance)	150 (per sample) 300 (per hour)	350 (per sample) 700 (per hour)	1000 (per sample) 1200 (per hour)
2	GC*—MS/MS (Shimadzu TQ8040)	750 (Qualitative) 1500 (Quantitative) 3000 (per hour)	1500 (Qualitative) 4000(Quantitative) 10000 (per hour)	2000 (Qualitative) 5000(Quantitative) 15000 (per hour)
3	GC with FID*	500 (Qualitative) 1000 (Quantitative) 2000 (per hour)	1000 (Qualitative) 2000(Quantitative) 5000 (per hour)	1500 (Qualitative) 3000(Quantitative) 7000 (per hour)
4	MS/MS	500 (per sample)	800 (per sample)	1200 (per sample)
5	FE-SEM <sup>#</sup> coupled with EDS detector, Au Sputter Coater (FE-SEM: JEOL JSM-7610F Plus EDS: OXFORD EDS LN2 free, Au Coater: JEOL Smart Coater)	500 (FESEM), 750 (FESEM+EDAX+ mapping) (per sample)	1000(FESEM), 1500 (FESEM+EDAX), 1800 JESEhI+EDAX+ mapping) (per sample)	2000(FESEM), 3000 FESEM+EDAX), 4000 (FESEM+EDAX+ mapping) (per sample)
6	Electrochemical work station** (Metrohm: Multi-Channel Autolab AUT.MAC.204)	100 (per sample) 200 (per hour)	300 (per sample) 800 (per hour)	500 (per sample) 1200 (per hour)
7	Fluorescence Spectrometer (Perkin Elmer LS6500)	50 (per sample)	300 (per sample)	500 (per sample)
8	Centrifuge (Eppendorf Refrigerated Centrifuge 5804R)	100 (per hour)	300 (per hour)	500 (per hour)

9	Thermogravimetric analyzer (Perkin Elmer TGA 4000)	150 (Extra INR100/1(100 °C rise in temperature after 600 °C up to 1000 °C, @ 10 °C/min)	500 (Extra INR 150/100 °C rise in temperature after 600 °C up to 1000 °C, @ 10 °C/min)	1000 (Extra INR 300/100 °C rise in temperature after 600 °C up to 1000 °C, @ 10 °C/min)
10	Differential scanning calorimeter <sup>##</sup> (Perkin Elmer DSC 6000)	200 per hour (RT to 450 °C, @ 10 °C/min)	600 per hour QT to 450 °C, @ 10 °C/min)	1200 per hour QT to 450 °C, @ 10 °C/min)
		300 per hour (RT to -70 °C, @ -10 °C/min)	700 per hour (RT to -70 °C, @ -10 °C/min)	1500 per hour (RT to -70 °C, @ -10 °C/min)
11	Density meter (Axis Density Meter with analytical balance ALN-220)	50(per sample)	200 (per sample)	500 (per sample)
12	Viscometer (LABMAN model of LMDV-200 with small sample adaptor, low viscosity adaptor and software.)	50(per sample)	250 (per sample)	500 (per sample)
13	Particle size and Zeta potential analyzer (Malvern Zetasizer Nano ZS90)	100 (per sample)	500 (per sample)	1200 (per sample)
14	FTIR with Diamond ATR & Pellet accessories (Perkin Elmer Spectrum 2)	50(per sample)	200 (per sample)	700 (per sample)
15	HPLC* with RI and PDA detector (Shimadzu Prominence I LC2030 Plus)	500 (Qualitative) 1000 (Quantitative) 3000 (per hour)	1000 (Qualitative) 2000(Quantitative) 5000 (per hour)	2000 (Qualitative) 4000(Quantitative) 10000 (per hour)

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Note:

1. The user should provide standard/reference (compound/solution) for the analysis.
2. If instrument run time is more than 30 minutes for single sample analysis then hourly basis charges will be applicable.
3. For external users, @ 18.00 % GST or above (as per the prevailing norms) will be applicable in the above rate list.
4. Please add courier and CD charges of INR 100 (conditions applied).
5. \* Specific columns must be provided by user if required.
6. \*\*The user should provide standard/reference compound (solution)/working electrodes and if someone need glassy carbon electrode from CIF, then INR 300 will be charged extra for electrode and binder used for it. For impedance measurement, the user is expected to provide fully prepared samples (e.g. pellets having silver contacts).
7. # Cost of gold coating is INR 100 per sample.
8. ## Alumina crucible will be used.
9. Sample requisition form for each instrument is available in the form of annexure.
10. After successful submission of filled sample requisition form and payment, the samples should reach CIF within seven working days along with a copy of acknowledgement receipt.