



Institute of Chemical Technology
IndianOil Odisha Campus, Bhubaneswar, Odisha-751013
Sophisticated Instrumentation Facility
Sample Charges



Facility	Service Type	Charges per sample			
		OUTR	University College	National Lab	Industry / Others
NMR	1H Std. (Upto 32 Scans)	200/-	300/-	500/-	800/-
	1H Exd. (Upto 256 Scans)	250/-	400/-	600/-	900/-
	1H D ₂ O Exchange	250/-	400/-	700/-	1000/-
	1H-Solvent Suppression	250/-	400/-	700/-	1000/-
	1D NOE Std.	250/-	500/-	800/-	1100/-
	13C Std. (Upto 1024 Scans)	400/-	600/-	850/-	1200/-
	13C Exd. (Per Additional hour)	350/-	500/-	700/-	1000/-
	13C DEPT Std.	500/-	800/-	1100/-	1500/-
	13C DEPT Exd. (Per Additional hour)	450/-	700/-	900/-	1200/-
	19F, 15N, 31P, 11B, 35Cl etc..	300/-	500/-	700/-	1000/-
	NMR VT (-60 °C to 100 °C)	200/-	400/-	600/-	1000/-
	2D HOMO Std. (COSY,NOESY,ROESY)	500/-	1000/-	1300/-	2000/-
	2D Hetero Std. (HSQC,HMBC)	550/-	1100/-	1500/-	2500/-
	2D Exd. (Per additional hour)	400/-	800/-	1200/-	1500/-
Q NMR (Quantification By NMR)	650/-	1300/-	2000/-	3000/-	
HR-TEM	Image	500/-	1500/-	2500/-	6000/-
	Image + EDAX	600/-	2000/-	3500/-	8000/-
FE-SEM	Image	400/-	1000/-	1200/-	3000/-
	Image + EDAX	550/-	1250/-	1500/-	4000/-
SEM	Image	300/-	700/-	1000/-	2000/-
	Image + EDAX	450/-	1000/-	1500/-	2500/-
SC-XRD	Data Collection (Room Temp.)	300/-	700/-	1500/-	3000/-
	Data Collection (Low Temp.)	400/-	1000/-	2000/-	4000/-
P-XRD	Data Collection (Room Temp.)	200/-	500/-	1000/-	2000/-
AFM	Image	400/-	1000/-	2000/-	4000/-
Liquid N ₂	Per Liter	40/-	60/-	80/-	100/-
Deuterated Solvent	CDCl ₃ (Chloroform-D)	50/-	50/-	50/-	50/-
	DMSO-D ₆ (Dimethyl Sulfoxide-D ₆)	250/-	250/-	250/-	250/-
	D ₂ O (Deuterium Oxide)	350/-	350/-	350/-	350/-
	CD ₃ OD (Methanol-D ₄)	500/-	500/-	500/-	500/-
	C ₆ D ₆ (Benzene-D ₆) and others.	700/-	700/-	700/-	700/-

Note:

- Payment must be done in advance **with 18% GST** before sample submission.
- Any specific experiment, as per the customer requirement can be done and the charges will be decided by the authority.