



**National Institute of Pharmaceutical Education & Research
(NIPER) Hyderabad**

(Department of Pharmaceuticals, Ministry of Chemicals & Fertilizers, Govt)

Analytical Service Charges (Revised with effect from 11th August, 2021)

NMR (Bruker 500 MHz)*

S.No	Experiment	Academia (INR)	MSME (INR)	Industry (INR)
1	¹ H NMR in CDCl ₃	200/-	300/-	1000/-
2	¹³ C, ¹⁹ F, ³¹ P NMR in CDCl ₃	500/-	700/-	1200/-
3	Additional charges for DMSO-D6	200/-	400/-	450/-
4	Additional charges for D ₂ O exchange	350/-	400/-	450/-
5	Additional charges for Methanol-d4	500/-	750/-	1000/-
6	D ₂ O	400/-	600/-	1200/-
7	2D experiments (COSY, NOESY, ROESY, HSQC and HMBC)**	1000/- (500/- Per extra hour)	2250/-	3000/- (1500/- Per extra hour)

* All charges mentioned are per hour

** Additional solvent charges are applicable

UPLC (Waters-Acquity)/ HPLC (Waters/Shimadzu)*

S.No	Experiment	Academia (INR)	MSME (INR)	Industry (INR)
1	UPLC/HPLC	1000/-	1500/-	2000/-
2	UPLC/HPLC (Method development)	3000/-	4500/-	6000/-
3	Preparative HPLC	3000/- per hour	4500/-	6000/- per hour

HPTLC

S.No	Experiment	Academia (INR)	MSME (INR)	Industry (INR)
1	HPTLC	1000/-	1500/-	2000/-

LCMS (Model: 6540ba Qtof - Infinity 1290) (Make: M/S Agilent Technologies India Pvt. Ltd.)

S.No	Experiment	Academia (INR)	MSME (INR)	Industry (INR)
1	Direct Injection Mass (HRMS)	250/-	375/-	500/-
2	LC-MS (HRMS)	5000/-	7500/-	10000/-
3	LC-MS/MS (HRMS)	6000/-	9000/-	12000/-
4	Method development*	3000/-	4500/-	6000/-
5	Method development (multi component) *	7500/-	11250/-	15000/-

* Charges mentioned are per hour

UV/VISIBLE (Make: Jasco; Model: V-650)

S.No	Experiment	Academia (INR)	MSME (INR)	Industry (INR)
1	Normal Spectrum Qualitative	250/-	375/-	500/-
2	Quantitative analysis	500/-	7500/-	1000/-

FTIR/ATR/NIR

S.No	Experiment	Academia/ (INR)	MSME (INR)	Industry (INR)
1	Normal Spectrum	200/-	300/-	400/-
2	Synthesis Monitoring System SMS	250/-	375/-	500/-
3	NIR (Normal spectrum)	500/-	750/-	1000/-

FESEM (Make: FEI; Model: Quanta 250 FEG)

S.No	Experiment	Academia (INR)	MSME (INR)	Industry (INR)
1	Imaging (Normal) using chromium or gold coating	1000/hr/sample (5 images per sample)	1875/hr/sample	2500/hr/sample
2	Imaging using cooling stage	1000/hr/sample	1875/hr/sample	2500/hr/sample

FREEZE DRYER (Make: Skadi Europe; Model: FD5508)

S.No	Experiment	Academia (INR)	MSME (INR)	Industry (INR)
1	RBG Bottle 500 ml / 1000 ml	500/-	750/-	1000/-

SPRAY DRYER (Make: JISL; Model: SVR70N)

S.No	Experiment	Academia (INR)	MSME (INR)	Industry (INR)
1	Aqueous sample	1000/- per hour	2250/-	3000/- per hour
2	Method Development	5000/- per sample/ hr	7500/- per sample/ hr	10000/- per sample/ hr

ULTRA-CENTRIFUGE

S.No	Experiment	Academia (INR)	MSME (INR)	Industry (INR)
1	Ultracentrifuge	1250/- per hour	1875/-	2500/- per hour

HIGH PRESSURE HOMOGENIZER

(Make: Micro fluidics; Model: LM-20)

S.No	Experiment	Academia (INR)	MSME (INR)	Industry (INR)
1	Nano Sizing	1500/- per hour	2250/- per hour	3000/- per hour

PARTICLE SIZE AND ZETA ANALYZER

(Make: Malvern; Model: Nano ZS)

S.No	Experiment	Academia (INR)	MSME (INR)	Industry (INR)
1	Particle size or Zeta potential	500/-	1125/-	1,500/-

RHEOMETER

(Make: Anton paar; Model: MCR-102)

S.No	Experiment	Academia (INR)	MSME (INR)	Industry (INR)
1	Simple viscosity	1,000/-	1500/-	2,000/-

HOT STAGE MICROSCOPE (Make: Linkam)

S.No	Experiment	Academia (INR)	MSME (INR)	Industry (INR)
1	Regular particle size analysis	1500/- per sample	2250/- per sample	3000/- per sample
2	For other analysis like crystallinity or polymorph screening	Depending on sample and required parameters	Depending on sample and required parameters	Depending on sample and required parameters

DSC (Make: Mettler Toledo; Model: DSC1)

S.No	Experiment	Academia (INR)	MSME (INR)	Industry (INR)
1	Temperature range (ambient to 350°C)	500/- per sample /hr	750/- per sample /hr	1000/- per sample /hr
2	Temperature range below ambient	Depending on sample	Depending on sample	Depending on sample

CONFOCAL MICROSCOPE

S.No	Experiment	Academia (INR)	MSME (INR)	Industry (INR)
1	Live Cell Imaging	2,500/-	3750/-	5,000/-
2	Fixed Sample cell	2,000/-	3000/-	4,000/-

HOT MELT EXTRUDER (Make: OMICRON 10 P)

S.No	Experiment	Academia (INR)	MSME (INR)	Industry (INR)
1	Hot Melt Extrusion	12,500/- per day	18,750/- per day	25,000/- per day

TEXTURE ANALYSER (MAKE: TA.XT Express)

S.No	Experiment	Academia (INR)	MSME (INR)	Industry (INR)
1	Compression and tensile testing	800/- per sample	1500/- per sample	2,000/- per sample

PROBE SONICATOR (MAKE: SONIC; MODEL: VCX750)

S.No	Experiment	Academia (INR)	MSME (INR)	Industry (INR)
1	Sonication	200/- hour	375/- per hour	500/- hour

TABLET PUNCHING MACHINE (MAKE: RIMEK; MODEL: MINI PRESS-I)

S.No	Academia (INR)	MSME (INR)	Industry (INR)
1	500/- hour	750/- hour	1000/- hour

ROTA EVAPORATOR (MAKE: HEIDOLPH)

S.No	Experiment	Academia (INR)	MSME (INR)	Industry (INR)
1	Evaporation of solvents	200/- hour	375/- hour	500/- hour

INCUBATOR SHAKER (MAKE: IKA; MODEL: KS 3000i Control)

S.No	Academia (INR)	MSME (INR)	Industry (INR)
1	500/- day	750/- day	1000/- day

DISSOLUTION APPARATUS WITH LCD-I (MAKE: LABINDIA; MODEL: DS 8001)

S.No	Experiment	Academia (INR)	MSME (INR)	Industry (INR)
1	Dissolution	1000/-day	1500/- day	2000/- day

FRANZ DIFFUSION CELL APPARATUS (MAKE: ORCHID SCIENTIFIC; MODEL: EMFDC08)

S.No	Academia (INR)	MSME (INR)	Industry (INR)
1	2000/-day	3750/- day	5000/-day

MULTIBOWL SPHERONIZER (MAKE: Caleva Process solution; MODEL: M.S.E)

S.No	Academia (INR)	MSME (INR)	Industry (INR)
1	500/- hour	1125/- hour	1500/-hour

MINISCREW EXTRUDER (MAKE: Caleva Process solution; MODEL: M.S.E)

S.No	Academia (INR)	MSME (INR)	Industry (INR)
1	500/-hour	1125/- hour	1500/-hour

FREEZE DRYER (MAKE: Christ; MODEL: alpha 1-2 LD plus)

S.No	Academia (INR)	MSME (INR)	Industry (INR)
1	800/- day	1500/- day	2000/-day

BALL MILL (MAKE: FRITSCH)

S.No	Academia (INR)	MSME (INR)	Industry (INR)
1	500/-hour	750/- hour	1000/-hour

GANSON INONE (MAKE: GANSON)

S.No	Academia (INR)	MSME (INR)	Industry (INR)
1	5000/-day	11250/- day	15000/-day

LIPID EXTRUDER {MAKE: EVONIK; MODEL: 3040/580 (10ML)}

S.No	Academia (INR)	MSME (INR)	Industry (INR)
1	1500/-sample	2250/- sample	3000/- sample

Name: GC and GC-MS (Agilent 8890 GC, 7697 A HS with GC/TQ, 7010B):

S. No	Type of experiment	Academia (INR)	MSME (INR)	Industry (INR)
1	GC-ALS-FID	1500	2300	3000
2	GC-HS-FID	1800	2700	3500
3	GC-ALS-MSD (EI)	2000	3500	5000
4	GC-HS-MSD (EI)	2500	4200	6000
5	GC-ALS-MSD (CI)	2500	4000	5500
6	GC-HS-MSD (CI)	3000	4500	6500

Name: ICP-MS (Agilent 7800):

S. No	Type of experiment	Academia (INR)	MSME (INR)	Industry (INR)
1	ICP-MS (up to 5 elements)	2700	4000	5500
2	Additional cost per element	100	100	300
3	Additional cost for Au, Pt, Pd, Ir, Rh, Sc, Li, Lu, and Hf elements	200	200	400

Microwave digestion charges: 500/- per sample