SATHI-BHU- USER CHARGES

High Resolution Accurate Mass Spectrometry

For Proteomics:

Applications		USER CHARGES		
S. No.	**Analysis Type**	**BHU Users & Start-ups (₹)**	**Academic/Research Institutions others than BHU (₹)**	**Industry (₹)**
1	Deep Protein Analysis Protein Identification [Protein Profiling- HRMS with database search] (60 min Run + Sample Preparation)	**Rs 8500/-**	**Rs 17,000/-**	**Rs 34000/-**
2	Deep Protein Analysis [Total Protein Profiling- HRMS with database search - Protein Identification and Profiling (120 min Run + Sample Preparation)	**Rs 11,000/-**	**Rs 22,000/-**	**Rs 44,000/-**
3	Deep Plasma Proteomics [Total Protein Profiling- HRMS with database search- Protein Identification and Profiling (120 min Run + Sample Preparation)] **Note- Top14 Abundant Protein Depletion will be done by facility side.**	**Rs 18,000/-**	**Rs 36,000/-**	**Rs 72,000/-**
4	Deep Phosphoprotein Enrichment analysis (Advance TiO_2 + Fe-NTA Magnetic Phosphopeptide Enrichment Kit) (60 min Run + Sample Preparation) **Note- Enrichment will be done by facility side.**	**Rs 20,000/-**	**Rs 40,000/-**	**Rs 80,000/-**
5	Deep Phosphoprotein Enrichment analysis (Advance TiO_2 + Fe-NTA Magnetic Phosphopeptide Enrichment Kit) (120 min Run + Sample Preparation) **Note- Enrichment will be done by facility side.**	**Rs 23,000/-**	**Rs 46,000/-**	**Rs 92,000/-**
6	Deep Protein Analysis **(After Fractionation- total 5 fractions)** [Total Protein Profiling- HRMS with database search- Protein Identification and Profiling (300 min Run + Sample Preparation)] **Note- Fractionation will be done by facility side.**	**Rs 28,000/-**	**Rs 56,000/-**	**Rs 100,000/-**
7	Labeled Quantification (TMT / iTRAQ) **(After Fractionation- total 5 fractions)** [Total Protein Profiling- HRMS with database search- Protein Identification and Profiling (300 min Run + Sample Preparation)] **Note- Labeling will be done by customer side and Fractionation will be done by facility side.**	**Rs 28,000/-**	**Rs 56,000/-**	**Rs 100,000/-**

- For Quantitative analysis Rs. 1000/- per sample additional charges will be applicable.

For Small Molecules/ Metabolites:

S. No.	Analysis Type	BHU Users & Start-ups (₹)	Academic/Research Institutions others than BHU (₹)	Industry (₹)
1	Total Metabolite Profiling HRMS with database search- Metabolite Identification and Profiling Note - Up to 15 min Run time	**Rs 3,100/-**	**Rs 6,300/-**	**Rs 12,600/-**
2	Total Metabolite Profiling HRMS with database search- Metabolite Identification and Profiling Note - Up to 30 min Run time	**Rs 6,300/-**	**Rs 12,600/-**	**Rs 25,200/-**

- If the run time exceeds the limit the charges will be in multiple accordingly.
- These charges are for the both (positive + negative) modes.
- For single (positive / negative) mode small molecules identification the charges will be reduced accordingly.
- For Quantitative analysis of small molecule Rs. 1000/- per sample additional charges will be applicable.

Note – Additional GST will be applicable as per rule.

ZPRICE LIST FOR NMR 600 MHZ

Solvent provided by user

A) For BHU & Start ups

Individual Measurement		NMR based experiments	
^{1}H (8-16 scans) Sample preference (3-8 mg)	^{13}C (256 scans for cryo probe, 512 scans for normal liquid probe) ,^{11}B,^{19}F,^{31}P Sample preference (15-25 mg)	Both ^{1}H and ^{13}C (8-16 scans for ^{1}H and, 256 scans for cryo probe, 512 scans for normal liquid probe for ^{13}C)	2D Experiments (per 60min) (COSY/HSQC/HMBC/NOESY)
Rs. 84/sample (Rs. 960/hour)	Rs 170/sample (Rs 700/hr)	Rs.250/sample	Rs.700

B) Other Academic Institutions, R&D Labs, MSMEs

Individual Measurement		NMR based experiments	
^{1}H (8-16 scans) Sample preference (3-8 mg)	^{13}C (256 scans for cryo probe, 512 scans for normal liquid probe) ,^{11}B,^{19}F,^{31}P Sample preference (15-25 mg)	Both ^{1}H and ^{13}C (8-16 scans for ^{1}H and, 256 scans for cryo probe, 512 scans for normal liquid probe for ^{13}C)	2D Experiments (per 60min) (COSY/HSQC/HMBC/NOESY)
Rs. 168/sample (Rs. 1920/hour)	Rs 340/sample (Rs 1400/hr)	Rs.500/sample	Rs.1400

C) For Large Industrial Establishment

Individual Measurement		NMR based experiments	
^{1}H (8-16 scans) Sample preference (3-8 mg)	^{13}C (256 scans for cryo probe, 512 scans for normal liquid probe) ,^{11}B,^{19}F,^{31}P Sample preference (15-25 mg)	Both ^{1}H and ^{13}C (8-16 scans for ^{1}H and, 256 scans for cryo probe, 512 scans for normal liquid probe for ^{13}C)	2D Experiments (per 60min) (COSY/HSQC/HMBC/NOESY)
Rs. 336/sample (Rs. 3840/hour)	Rs 680/sample (Rs 2800/hr)	Rs.1000/sample	Rs.2800

Solvent provided by the facility

A) For BHU & Start ups

Individual Measurement			NMR based experiments	
Solvent	^{1}H (8-16 scans) Sample preference (3-8 mg)	^{13}C (256 scans for cryo probe, 512 scans for normal liquid probe) ,^{11}B,^{19}F,^{31}P Sample preference (15-25 mg)	Both ^{1}H and ^{13}C (8-16 scans for ^{1}H and, 256 scans for cryo probe, 512 scans for normal liquid probe for ^{13}C)	2D Experiments (per 60min) (COSY/HSQC/HMBC/NOESY)*
$CDCl_3$	Rs. 150/sample	Rs. 210/sample	Rs. 300/sample	Rs.700
DMSO-d_6	Rs. 500/sample	Rs. 570/sample	Rs. 620/sample	
D_2O	Rs.350/sample	Rs. 420/sample	Rs. 470/sample	

Benzene-d_6	Rs. 450/sample	Rs 520/sample	Rs. 570/sample	
Methanol-d_4	Rs. 1110/sample	Rs. 1180/sample	Rs. 1230/sample	
Acetonitrile-d_3	Rs. 1080/sample	Rs 1150/sample	Rs. 1200/sample	
THF-d_8	Rs. 4060/sample	Rs. 4130/sample	Rs. 4180/sample	
Pyridine-d_5	Rs. 2050/sample	Rs. 2220/sample	Rs. 2410/sample	

***Solvent price for ^1H is to be charged along with 2D charge**

B) Other Academic Institutions, R&D Labs, MSMEs

Individual Measurement			**NMR based experiments**	
Solvent	^1H (8-16 scans) Sample preference (3-8 mg)	^{13}C (256 scans for cryo probe, 512 scans for normal liquid probe) ,^{11}B,^{19}F,^{31}P Sample preference (15-25 mg)	Both ^1H and ^{13}C (8-16 scans for ^1H and, 256 scans for cryo probe, 512 scans for normal liquid probe for ^{13}C)	2D Experiments (per 60min) (COSY/HSQC/HMBC/NOESY)*
$CDCl_3$	Rs. 300/sample	Rs. 420/sample	Rs. 600/sample	Rs.1400
DMSO-d_6	Rs. 1000/sample	Rs. 1140/sample	Rs. 1240/sample	
D_2O	Rs.700/sample	Rs. 840/sample	Rs. 940/sample	

Benzene-d_6	Rs. 900/sample	Rs 1040/sample	Rs. 1140/sample	
Methanol-d_4	Rs. 2220/sample	Rs. 2360/sample	Rs. 2460/sample	
Acetonitrile-d_3	Rs. 2160/sample	Rs 2300/sample	Rs. 2400/sample	
THF-d_8	Rs. 8120/sample	Rs. 8260/sample	Rs. 8360/sample	
Pyridine-d_5	Rs. 4100/sample	Rs. 4440/sample	Rs. 4820/sample	

***Solvent price for ^1H is to be charged along with 2D charge**

C) **For Large Industrial Establishment**

Individual Measurement			**NMR based experiments**	
Solvent	^1H (8-16 scans) Sample preference (3-8 mg)	^{13}C (256 scans for cryo probe, 512 scans for normal liquid probe) ,^{11}B,^{19}F,^{31}P Sample preference (15-25 mg)	Both ^1H and ^{13}C (8-16 scans for ^1H and, 256 scans for cryo probe, 512 scans for normal liquid probe for ^{13}C)	2D Experiments (per 60min) (COSY/HSQC/HMBC/NOESY)*
$CDCl_3$	Rs. 600/sample	Rs. 840/sample	Rs. 1200/sample	Rs.2800
DMSO-d_6	Rs. 2000/sample	Rs. 2280/sample	Rs. 2480/sample	
D_2O	Rs.1400/sample	Rs. 1680/sample	Rs. 1880/sample	

Benzene-d_6	Rs. 1800/sample	Rs 2080/sample	Rs. 2280/sample	
Methanol-d_4	Rs. 4440/sample	Rs. 4720/sample	Rs. 4920/sample	
Acetonitrile-d_3	Rs. 4320/sample	Rs 4600/sample	Rs. 4800/sample	
THF-d_8	Rs. 16240/sample	Rs. 16520/sample	Rs. 16720/sample	
Pyridine-d_5	Rs. 8200/sample	Rs. 8880/sample	Rs. 9640/sample	

***Solvent price for ^1H is to be charged along with 2D charg**

600 MHz Solid-State NMR based Experiments

NMR based Experiments	
A) For BHU& Startups (₹)	
Experiments up to one-hour (per 60 min) 1D, ^1H-^{13}C, ^{15}N Cross polarization (CP), 2D HETCOR	Experiments longer than three hours*
Rs. 1200	Rs.1000/60 min for following hours (Maximum 6 hours*)
B) Other Academic Institutions, R & D Labs, MSMEs (₹)	
Rs. 2400	Rs.2000/60 min for following hours (Maximum 6 hours*)
C) For Large Industrial Establishment (₹)	
Rs. 4800	Rs. 4000/60 min for following hours (Maximum 6 hours*)

Laser Ablation (Femtosecond) Combustion Gas Chromatography – High Resolution – Isotope Ratio Spectrometry (LA – CGC – HR – IRMS)		User Charges per Sample		
	Analysis Type	BHU & Start-ups (₹)	Other Academic Institutions, R& D Labs , MSMEs (₹)	Large Industrial Establishment (₹)
	Gas bench (for carbonate and water)			
1.	δ13 C + δ18 O (in Carbonate and Water)	1000	2000	4000
2.	δ13 C (Dissolved inorganic carbon - DIC) (in Water)	800	1600	3200
3.	δ18 O (in water)	500	1000	2000
4.	δ D (in water)	500	1000	2000
	Element Analyzer – FLASH IRMS (for solid organic and inorganic sample only)			
1.	δ13 C	1000	2000	4000
2	δ13 N	1000	2000	4000
Laser Scanning Super Resolution Microscope System				
1.	User charges per slot (1 slot = 2 hours)	1500	3000	4500
Circular Dichroism Spectrophotometer				
	User Charges per 60 min	400	800	1600
	Photoacoustic Imaging Platform			
1.	User charges per 60 min	2000	4000	8000
2.	Phantom user Charges	2000	4000	8000
Electrochemical Workstation, Solar Simulator Workstation and Fuel Cell				
	User Charges per hours	400	800	1600