



## National Institute of Pharmaceutical Education and Research (NIPER)

Balanagar, Hyderabad – 500037, Telangana, India  
(Mentor Institute: CSIR – Indian Institute of Chemical Technology)

### I. NMR Analysis in CDCl<sub>3</sub> Solvent:

Instrument	*Academic Users (sample/hr.)	Industry Users (sample/hr.)
Bruker 500 MHz	Rs.500/-	Rs.1,500/-

\* An Official letter from Head of the concerned Department/University/ Institution should be enclosed to avail this discount

### Additional charges for the solvents:

Solvent	Academic	Industry
DMSO-d <sub>6</sub> , Acetone-d <sub>6</sub> , Benzene-d <sub>6</sub> and D <sub>2</sub> O	Rs.375/-	Rs.450/-
Methanol-d <sub>4</sub>	Rs.675/-	Rs.1,350/-

**Solution state NMR Charges (<sup>31</sup>P & <sup>19</sup>F):** Rs.1,500/- per sample/hr.

### Sample size:

- (For <sup>1</sup>H NMR Spectra, about 5-10 mg of sample would be sufficient, while <sup>13</sup>C spectra, at least 30-50 mg would be required. <sup>13</sup>C Spectra of larger molecular weight compounds would require more quantity of sample with enough solubility)

### Duration:

- Analysis of the sample will take minimum 5 working days for 1D and 10 working days for 2D. Also please get the availability of the time slot confirmed, prior to submission of the NMR samples.