

SAMPLE SUBMISSION FORM (External)

Supervisor/PI: _____ Name of the Student: _____
Department: _____ Address: _____
Email (CAPITAL): _____ Contact Number(s): _____

Details of samples submitted: Please provide the following details:

S. No.	Sample code	Amount (mg)	Solvent	Spectral Width	Scan (ns)	Analysis required	Amount (Rs)
1.							
2.							
Subtotal (1)							
Service Tax (14.0% of 1)							
Swachh Bharat Cess (0.5% of 1)							
Krishi Kalyan Cess (0.5% of 1)							
Total Tax							
Grand Total							

N.B.: It is recommended to provide pure sample and it should be properly dried (free from moisture and solvent). If the sample(s) present any danger to the personnel or equipment, then kindly provide appropriate handling instructions. (Service Tax No. AAATB3286HST001)

Date: _____ Signature of the Supervisor/PI
PI/Supervisor/ Registration No: _____

NMR Reference No: _____ Approval/Remarks
(In charge, 400 MHz NMR Lab)

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SAMPLE Copy for NMR Charges Calculation:

DD in favor of "Birla Institute of Technology, Mesra, Ranchi"

1	NMR Charges			Subtotal (1)	300.00
Service Tax (14.0% of 1)					42.00
Swachh Bharat Cess (0.5% of 1)					2.00
Krishi Kalyan Cess (0.5% of 1)					2.00
(Service Tax No. AAATB3286HST001) Total Tax					46.00
Grand Total					346.00



400 MHz NMR Laboratory (DST FIST Supported)



Contact Email:
nmr@bitmesra.ac.in

400 MHz NMR Laboratory
DEPARTMENT OF CHEMISTRY
BIRLA INSTITUTE OF TECHNOLOGY
MESRA, 835215, RANCHI, JHARKHAND
Website: www.bitmesra.ac.in
Phone: +91 651 2275444/2275896 EXT: 4776

About BIT Mesra

For over five decades, **BIT Mesra** (located 16 kms from Ranchi, the Jharkhand state-capital) has been engaged in nurturing minds through a rich heritage of academic excellence. Essentially a hub of bustling student activities, the beautiful campus has been a second-home to thousands of students in their journey to challenge the times.

Established in 1955 by the visionary-industrialist Mr. **B.M. Birla**, it is today one of the most premier higher education and research destinations in India.

NMR Spectrophotometer

The state of art **NMR spectrophotometer (400 MHz: JEOL)** is a central facility at **Department of Chemistry**, Birla Institute of Technology, Mesra. The central facility offers a high resolution solution state NMR service to all the students/faculty of BIT Mesra and open for external researcher from academia and industry. A range of NMR experiments are available including routine **1D- and 2D proton, carbon, fluorine and phosphorus** experiments.

To maintain the state of art research facility and to provide expedite support in high-end research, the minimum charges have been fixed for availing the facility. The details of the charges including rate lists are available on the next page.

Important Note

- **Industrial Sample** charges will be **double** as per overleaf charges.
- Payment will be received by Demand Draft or Cheque **in Favour of “Birla Institute of Technology” Ranchi.**
- **Service charges** will be extra as per govt. rule (14.5 % + Swachh Bharat Cess 0.5%).
- **If time exceeds for specialized experiment** as per user instruction, every additional experiment/time (16 scan or 30 min additional time) will be charged thereof **with 200/- for academic institution** and **Rs 500/- for industrial samples.**
- **Sample submission form** will be available from 400 MHz NMR Lab, BIT Mesra (email: nmr@bitmesra.ac.in; Phone: 0651-2275444 Extn.: 4776).
- **NMR Data/Spectrum** will be provided through email.

Contact Details:

- Faculty In-charge: Dr A. Sharon
(asharon@bitmesra.ac.in)
- System/Data Handling & Maintenance: Mr. Deepak Pathak
- NMR Facility Cleaning & Maintenance: Mr. Haridev Mahto

ANALYTICAL CHARGES (2016-17) FOR EXTERNAL SAMPLES (Academic)

Experiment	Quantity	No. of Scan	CDCl ₃	D ₂ O/DMSO	CD ₃ OD
1 ¹ H, ¹⁹ F or ³¹ P NMR	3-5 mg	16 Scans	Rs. 300/-	Rs. 500/-	Rs. 600/-
	< 3 mg	32 Scans	Rs. 400/-	Rs. 600/-	Rs. 700/-
	~ 1 mg	128 Scans	Rs. 600/-	Rs. 700/-	Rs. 800/-
2 ¹³ C NMR / DEPT	>30 mg	128 Scans	Rs. 700/-	Rs. 900/-	Rs. 1000/-
	< 30 mg	256 Scans	Rs. 1000/-	Rs. 1100/-	Rs. 1200/-
	<< 30 mg	512 Scans	Rs. 1200/-	Rs. 1300/-	Rs. 1400/-
	~10-15 mg	1024 Scans	Rs. 1800/-	Rs. 1900/-	Rs. 2000/-
3 COSY/NOESY HSQC, HMBC, TOCSY,	> 10 mg	128 Scans	Rs. 700/-	Rs. 900/-	Rs. 1000/-
	~10 mg	256 Scans	Rs. 1000/-	Rs. 1100/-	Rs. 1200/-
	< 10 mg	512 Scans	Rs. 1200/-	Rs. 1300/-	Rs. 1400/-
	~ 5 mg	1024 Scans	Rs. 1800/-	Rs. 1900/-	Rs. 2000/-

- **Industrial Sample** charges will be **double** as per overleaf charges.
- Payment will be received by Demand Draft or Cheque **in Favour of “Birla Institute of Technology” Ranchi.**
- **If time exceeds for specialized experiment** as per user instruction, every additional experiment/time (16 scan or 30 min additional time) will be charged thereof **with 200/- for academic institution** and **Rs 500/- for industrial samples.**