

DST-FIST 400 MHz NMR Facility

Sophisticated Instruments Laboratory

Department of Chemistry

NMR Spectroscopy Request Form

Requisition Form

Name of the User	
Contact No (s)	
Email ID	
Name of Supervisor	
Department	
Name of Institution	
Type of Institution (Please tick)	□ BBA University □ Department of Chemistry, BBAU □ Other Educational □ Industry/Lab **Sample should be submitted or Post to the following address:** Head, Department of Chemistry, BBAU, University, Lucknow, U.P., 226025, India.
Payment Details	Amount: _____ (DD No./UTR No./other online proofs):_____ **Payment should be submitted in the following account:** Account No: Account holder Name: IFSC Code:
Number of Samples Submitted	
Sample Code/Name	
Solvent (Please tick)	□ $CDCl_3$ □ DMSO □ Others (Specify_____, to be provided with the sample)
Nuclei of Interest (Please tick)	□ ^{1}H □ ^{13}C □ Others (Specify_____)
Any Additional Experiment Requested (Please tick) (Additional Charges Apply)	□ DEPT-90 □ DEPT-135 □ COSY □TOCSY □NOESY □ HSQC □ HMQC □ HMBC □ Others……
Experiment Temperature	□ Room Temperature □ Other (Specify _____°C) (Should not be over boiling point of solvent used)
Hazards or Sample Handling information**	
Sample (Recovery)	□ Yes □No
Any Other Specific Instructions	

** If the sample(s) presents any danger to the operator or equipment or stipulates any special treatment as protocol, then kindly provide appropriate handling instructions, otherwise the user will be solely responsible for any resulting damage or accident.

NMR Spectroscopy Charges

S.No.	Sophisticated Instrument		For Internal BBAU user	For Departmental of Chemistry (BBAU) user	For External User	
4.	**400 MHz FT-NMR** spectrometer per sample, for each half an hour or less (Additional charges will be market cost of the solvents other than $CDCl_3$ and D_2O) *	a) ^{1}H, ^{13}C, ^{19}F, ^{31}P, ^{27}Al, ^{11}B (10 mg of compound)	Rs 250/-#	Rs 250/-#	Academic	Industries
					Rs 300/-	1000
		b) 2D: # COSY, HSQC, HMBC, TOCSY,NOESY,	Rs 500/-	Rs 500/-	Rs 750/-	2000
		c) ^{77}Se, ^{125}Te, ^{95}Mo, ^{29}Si	Rs 300/-	Rs 300/-	Rs. 350/-	Rs 1200/-
		d) VT – HT#	Rs 300/-	Rs 300/-	Rs. 350/-	Rs 1500/-
		e) VT – LT#	Rs 300/-	Rs 300/-	Rs. 350/-	Rs 1500/-
		*Please note that for ^{13}C and DEPT the sample as mentioned amounts are necessary and the entire amount of sample needed to be soluble in 500-600 μL of suitable deuterated solvents. If not then the final rates will depends on the actual acquisition timing. If time exceeds, every additional half an hour will be charged thereof with 250/- for academic institute and 500/- for industrial samples. # For solvents like DMSO-D_6, MeOD-D_4, CD_3CN, CD_3COCD_3 additional charges will be applicable as per market cost of the solvents.				

It has also been decided that in case of bulk sample booking in 400 MHZ NMR, the Department may consider for concession in charges upto 30% of the total cost.

General Instructions:

1. All concerned persons, research fellows and students are advised to send their application and samples through their supervisors or Head of Department only.
2. Samples will not be analyzed unless appropriate Bank Challan/Demand Draft/online payment proofs is received with the sample. We strictly do not handle or entertain any cash payment at DOC.
3. The user should check the solubility of the sample and suggest best solvent for recording NMR.
4. Minimum sample requirement for recording ^{1}H NMR and ^{13}C NMR are 5 -25 mg, respectively. **If data is not clear due to in-homogeneity or less amount of sample, then samples will not be recorded again.**
5. Samples will be discarded after the experiment.
6. The recorded sample data will be shared in soft copy to the user as per priority order (first come first serve basis) *via* E-mail only.
7. Explosive/unstable/toxic and hazardous compounds are not accepted for analysis.
8. Sample with suspended particles could be endangered to the shimming. Check the solubility before submission.
9. The following acknowledgement is requested: "The author gratefully acknowledge the DST-FIST NMR Facility at Department of Chemistry, B.B.A.U., Lucknow for recording NMR spectra."
10. I/We shall obey the above-mentioned terms and conditions.

Signature of the Applicant Signature of the Supervisor

OFFICE USE

Serial No.: Date:

Technician Head, DoC Coordinator, NMR facility

द्वारा सहायता प्राप्त:
अनुसंधान एवं विकास अवसंरचना प्रभाग
विज्ञान और प्रौद्योगिकी विभाग (डीएसटी)
भारत सरकार

SUPPORTED BY:
R&D INFRASTRUCTURE DIVISION,
DEPARTMENT OF SCIENCE & TECHNOLOGY (DST),
GOVT. OF INDIA

सार्वजनिक सूचना | **PUBLIC NOTICE**

- अनुसंधान और विकास अवसंरचना प्रभाग डीएसटी द्वारा**फिस्ट और पर्स** सहायता वाली सभी सुविधाएं/उपकरण वैज्ञानिकों एसएंडटी संगठनों स्टार्टअप एमएसएमई अन्य विनिर्माण/अभियांत्रिकी उद्योग आदि देश भर में **प्रभार के आधार** पर खुले और सुलभ हैं।

  ALL FACILITIES/ EQUIPMENT OF **FIST & PURSE** SUPPORT BY R&D INFRASTRUCTURE DIVISION, DST, ARE OPEN AND ACCESSIBLE TO SCIENTISTS, S&T ORGANISATIONS, START-UPS, MSMES, OTHER MANUFACTURING/ENGINEERING INDUSTRIES ETC., **ON CHARGEABLE BASIS** ACROSS THE NATION.

- सभी**सुविधाओं/उपकरणसेसंबंधितजानकारी**ञ्टटप्प्ह्वह्वह्व ि्टश्ं ि्घ्य ि्ए पर उपलब्ध है और कृपया वेबसाइट देखें।

  ALL **FACILITIES / EQUIPMENT RELATED INFORMATION** ARE AVAILABLE ON HTTPS://WWW.ISTEM.GOV.IN/ & PLEASE VISIT THE SITE.

- आप फिस्ट उपकरणोंसुविधा केन्द्र से संबंधित **सहायता केंद्र/विभाग के प्रमुख/फिस्ट और/अथवा पर्स सुविधा/परियोजना के समन्वयक से मांग सकते हैं।**

  YOU MAY SEEK **FOR HELP/ ASSISTANCE** RELATED TO FIST EQUIPMENT / FACILITY FROM ***HEAD OF THE CENTRE / DEPARTMENT/ COORDINATOR OF THIS FIST AND/OR PURSE FACILITY / PROJECT.***

- **फिर से कोशिश करें:** - यदि आपको वह उत्तर नहीं मिला जो आप पहले चाहते थेतो उचित समय अंतराल के बाद फिर से कोशिश करें।

  TRY AGAIN: - IF YOU DIDN'T GET THE REPLY YOU WANTED THE FIRST TIME, PURSUE YOUR QUERY AGAIN AFTER AN APPROPRIATE INTERVAL.

- हम सब अपना कार्य करें और अगर यह काम नहीं कियागया तो **आप विभाग प्रमुख/फिस्ट और/ अथवा पर्स सुविधा केन्द्र/ परियोजना के समन्वयक॰ संगठन प्रमुख॰ प्रमुख़ आर एंड डी अवसंरचना प्रभाग़ डीएसटी एवं सचिव़ डीएसटी को ई-मेल के माध्यम से अवगत कराने वाली अच्छी पद्धति का अनुपालन कर सकते हैं।**

  LET'S ALL DO OUR PART & IF IT DIDN'T WORK-OUT, YOU MAY FOLLOW GOOD PRACTISE OF INTIMATING THROUGH EMAIL TO ***HEAD OF THE DEPARTMENT/ COORDINATOR OF FIST AND/OR PURSE FACILITY / PROJECT; HEAD OF ORGANIZATION; HEAD, R&D INFRASTRUCTURE DIVISION, DST AND SECRETARY, DST***.