

Cryogen Free Benchtop NMR for Chemistry Teaching Lab

IISER Mohali welcomes quotations (two bid system) for a Cryogen Free Benchtop NMR for Chemistry Teaching Lab. The specifications for the benchtop NMR spectrometer are mentioned below.

Specifications:

Frequency: >40 MHz for proton.

Instrument should use standard 5mm NMR tubes for sampling

Resolution: Better than 1 Hz (FWHM)

Software: GLP standard software for setup and data acquisition and advance processing software with perpetual license and providing full manual control with auto routines.

Lock: Fast automatic lock.

S/N ratio: System should have S/N ratio better than 20:1 with 1% ethylbenzene for a single scan.

Solvents: Capable of recording the spectra with or without Deuterated solvent.

Power: 240 V/50 Hz operation

Data handling: All data processing and handling must be provided either on the machine or through a PC interfaced to the machine. For PC operation, a branded PC must be provided with operating system and software for machine control, data acquisition and data processing.

Important specification:

Vendor/local representative must arrange for a demonstration of the machine, if required, before the tender opening date. Factors such as satisfactory operation of the machine, ease of operation and ruggedness of the machine will be considered for evaluation of the offer. Merely meeting specifications on paper, will not necessarily qualify the machine for further consideration.

Terms and conditions:

- * The supplier must provide training for the users of the instruments at site.
- * The supplier must demonstrate that it has a proven appropriate set-up and capability to provide after-sales service efficiently and effectively.
- * Warranty and extended warranty period should be mentioned
- * 3 Years CMC should be quoted beyond the warranty that accompanies the machine.
- * Apart from the above specifications any other unique technical features can be included
- * Optional accessories and any other accessories should be quoted separately
- * All the necessary consumables/lab wares should be provided with the equipment as specified, for trouble free operation for a period of three years.
- * The price of consumables should be quoted separately to enable us to stock necessary quantities of such consumables.
- * List of current users if any may be provided.
- * Technical bid and financial bid to be submitted separately. Please note that no commercial terms must be mentioned in the technical bid, failing which the offer will be summararily disqualified.