



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान, पुणे
INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH (IISER) PUNE

(An Autonomous Institution of Ministry of Human Resource Development, Govt. of India)
900, NCL Innovation Park, Dr. Homi Bhabha Road, Pune - 411 008.

IISER/PUR/0534/13

26th July 2013

EXPRESSION OF INTEREST

A Pre-Indent conference is proposed to be held on 19th August 2013 at IISER Pune with the prospective manufactures, their authorized channel partners or agents/suppliers and system integrators to discuss with the Technical Committee on the aspects of utility, technology, feature, literature, design, technical parameters, clientele and other related issues of the equipment and material for the following item to be procured for IISER Pune.

SNo	Description of item	Qty
1	600 MHz NMR Spectrometer	One
2	400 MHz NMR Spectrometer	One

The brief for the system is given below:

One 600 MHz NMR spectrometer is required to perform structure and dynamics characterization of proteins, nucleic acids (DNA and RNA), carbohydrates and other synthetic polymers. Probe must be sensitive enough to work for ¹³C/¹⁵N labeled biomolecules at concentrations less than 0.1 mM. Probe must be capable of measuring multi-correlation experiments between the nucleic ¹H, ¹³C, ¹⁵N and ³¹P. The spectrometer should also be capable of implementing high quality amplitude and phase modulated shaped pulses for experimental Quantum Information studies. The hardware and software are expected to be capable of carrying out state of the art quantum control of spin dynamics.

One 400 MHz NMR spectrometer is required to perform routine characterization of small molecules. Probes must be capable enough to characterize most NMR active nucleic available and must be able to perform multidimensional experiments. High-quality and high-throughput recording of routine one-dimensional NMR experiments with software integrated autosampler is needed.

On the basis of the above Conference/meeting, the technical committee shall



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finalize specifications after knowing/obtaining details about relevant/available technology in the market suiting to the requirement and R&D needs of our laboratory. The committee shall also evaluate the credentials / Technical capabilities / financial standings and track record of the companies / vendors attending the Pre-indent Conference and on the basis of these, it will also finalize minimum qualification criteria for bidding.

Date & Time of Pre-Indent Conference/Meeting: 19 August 2013 , 10.00 AM

Place: NCL Innovation Park, Board Room, Pune - 411008, India

Note: This notice is issued to those firms who are dealing with the above mentioned equipment for "Expression of their Interest" to participate in preparation of specification and thereafter in bidding process.

Sd/-

Assistant Registrar (S&P)