**CSIR - INSTITUTE OF MICROBIAL TECHNOLOGY**

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**8.9.2017**

**PRE-INDENT CONFERENCE**

**The Director, CSIR-IMTECH intend to procure Mass Spectrometer**. In this regard, a Pre-Indent Conference has been fixed on 19.9.2017 at 3.00 pm in Protein Science Committee Room of this Institute. All the interested Foreign / Indian Manufacturers or their authorized agents having experience in Supplying, Commissioning and Maintenance of same are invited to give presentation etc. of their products (10-15 minutes). The participants are requested to bring supporting documents to prove their technical capabilities, client list, financial capabilities, experience and credentials. Please visit our website [www.imtech.res.in](http://www.imtech.res.in) for brief application of Mass Spectrometer. Bidders interested in taking part in the Pre-Indent Conference are requested to confirm their participation by sending e-mail to purchase@imtech.res.in

 **Section Officer (Stores & Purchase)**

**Mass Spectrometer application:**

We are interested in the procurement of compact single quadrupole mass spectrometer for detection of small molecules, reaction monitoring, mass directed purification using flash chromatography, Prep-LC and SFC. The system should be also applicable for peptide synthesis, polymer chemistry and natural products. The system should be easily integrated with TLC interface, flash chromatogram, HPLC etc. The instrument should allow users with a minimum of training, such as students attending basic level courses, to obtain the mass spectra.

The system should have features such as:

* System should provide maximum system performance and usability for reproducible results.
* System should be robust enough to allow compound identification quickly and accurately.
* A wide mass range should be covered so as to allow uncompromised analysis of both low and high molecular weight species.
* It should be able to integrate with various chromatographic options so that it can be used for broadest range of applications such as mass directed purification, TLC spot purification *etc.*
* Universal Ion Source or combination of ion source should be there in the system so that system can offer easy compatibility with the widest range of analytes.