



## भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान तिरुपति

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH TIRUPATI

Transit campus: C/o Sree Rama Engineering College Campus, Rami Reddy Nagar,  
Karakambadi Road, Mangalam (B.O), Tirupati - 517 507

Website: [www.iisertirupati.ac.in](http://www.iisertirupati.ac.in)

**CLARIFICATION ON TENDER NUMBER – IISERT/PUR/0627/18 Dated: 19/03/2019**

**TENDER TITLE- SUPPLY, INSTALLATION AND COMMISSIONING OF GAS CHROMATOGRAPH MASS SPECTROMETER (ON-LINE)**

Refer press tender notice dated 19/03/2019 which was published on March 20, 2019. Detailed tender was published on IISER Tirupati website [www.iisertirupati.ac.in](http://www.iisertirupati.ac.in) and on CPP Portal. Pre-Bid meeting was held on 27<sup>th</sup> March, 2019 at 04.20 PM and minutes of meeting is as under.

At the outset, the Chairman welcomed all the Members and the representative of the Prospective Bidders and briefed in general the scope of the tender and thereafter requested Assistant Registrar (A&P) to brief the bidders on the salient features of the commercial terms and the indenting Officer to read out the clarification sought by the Prospective Bidders and replied thereto as detailed in ANNEXURE - I

The representatives present were satisfied with the replies given and it was informed that the corrections / additions / clarifications given, as discussed during the Pre-Bid meeting would be hosted on the website of IISER Tirupati and all the Prospective Bidders are required to take cognizance of the proceedings of the Pre-Bid meeting before submitting their bids as stipulated in the Bidding Documents.

The other terms & conditions of the notice published on Institute website [www.iisertirupati.ac.in](http://www.iisertirupati.ac.in) and CPP Portal will remain unchanged. No more correspondence in this regard will be entertained

The meeting ended with vote of thanks to the Chair

Sd/-

Asst. Registrar (A & P)

**PRE-BID CONFERENCE SUPPLY, INSTALLATION AND COMMISSIONING OF GAS CHROMATOGRAPH MASS SPECTROMETER (ON-LINE)**

**TECHNICAL QUERIES AND CLARIFICATION**

<b>Sr.No</b>	<b>Query/Clarification Sought</b>	<b>Clarification / Amendment</b>
1	<u>Point 1, MS Specifications</u> Analyzer: Single Quadrupole Mass spectrometer Filter with pre-filter/pre rod or Suitable technology. LAN based quadruple system with Non-coated Inert source with heatable up to 350 °C.	Analyzer: Single Quadrupole Mass spectrometer.
2	<u>Point 1, MS Specifications</u> Ion source temp. up to 350 °C for better sensitivity for active compounds and it should be programmable. Should have heatable quadrupole up to 200 °C.	Ion source with better sensitivity for active compounds.
3	<u>Point 1, MS Specifications</u> Electronic dynamic range -10 eV. Ionization current range 15-220 eV.	Electronic dynamic range >10 <sup>7</sup> or better. Ionization current range 15-220 µA.
4	<u>Point 1, MS Specifications</u> El source should be inert to active compounds and should be programmable.	El source should be inert to active compounds.
5	<u>Point 1, MS Specifications</u> High scan speed up to 20,000 amu/sec	High scan speed 15,000 amu/sec or better
6	<u>Point 1, MS Specifications</u> Application auto tunes One-click auto tune for BFB, DFTPP.	Auto tuning facility should be available.
7	<u>Point 1, MS Specifications</u> Libraries (licensed): Latest version of licensed NIST library and Wiley spectra & Structure libraries.	Libraries (licensed): Latest version of licensed NIST library and Wiley libraries.
8	<u>Point 2, GC specifications</u> Split- Send all peaks to multiple detectors	Splitter- Send all peaks to multiple detectors

9	<u>Point 4, FID Detector</u> Should have EPC Data acquisition rate of up to 500 Hz	Should have EPC Data acquisition rate of 200 Hz or better.
10	<u>Point 5, TCD detector</u> Fluidic switching design that provides rapid stabilization from turn-on, low-drift performance and does not require the use of a reference column.	Rapid stabilization from turn-on, low-drift performance.
11	<u>Point 8, Capillary columns and Standards</u> Capillary columns - (30 mtr. X 0.25 mm ID x 0.25 um) DB-5, HP 5, DB-1 or equivalent.	Capillary columns - (30 mtr. X 0.25 mm ID x 0.25 um) DB-5/HP-5 or equivalent, DB-1 or equivalent
12	Three years Warranty	Three years Warranty/ Free-reinstallation should be provided within 5 years.  Teddler Bag for collecting gas samples should be provided (10 nos) as accessories.



**IISER TIRUPATI**

**PRE-BID CONFERENCE SUPPLY, INSTALLATION AND COMMISSIONING OF GAS CHROMATOGRAPH MASS SPECTROMETER (ON-LINE)**

**COMMERCIAL QUERIES AND CLARIFICATION**

<b>Sr.No</b>	<b>Query/Clarification Sought</b>	<b>Clarification / Amendment</b>
<b>1</b>		
<b>2</b>	-----NIL-----	-----NIL-----
<b>3</b>		