



सामग्री प्रबंधन प्रभाग
भारतीय प्रौद्योगिकी संस्थान मुंबई
पवई, मुंबई-400 076, भारत

Materials Management Division
Indian Institute of Technology Bombay
Powai, Mumbai-400 076, India

Phone. : (+91-22) 2576 8800,
8801 to 5, 5009, 8848
E-mail : drmm@iitb.ac.in
Website : www.iitb.ac.in

IIT Bombay

Date: - 31/08/2021

Corrigendum –II

For (PR No. 1000016228) RFx No. 6100000802

Gas Chromatography Mass Spectrometer (GCMS)

Sr. No.	Online RFx Clause	Previous Clause	Changed Clause
1.	Bid submission End Date/Date & Time of submission (Online RFx clause)	02.09.2021 at 13.00	09.09.2021 at 13.00
2.	Bid Opening Date & Time (Online RFx clause)	02.09.2021 at 15.00	09.09.2021 at 15.00

- Kindly note that technical specifications has been amended. Please check below.

	Original Specs	Amended Specs
	SCOPE & APPLICATION: GCxGC-MS system with Flow Modulator should be used to identify components in Jet Fuel & Lube Oil. The GC should be of latest model/ version from a reputed manufacturer.	GCxGC-MS system with Thermal Modulator should be used to identify components in Jet Fuel & Lube Oil. Any other equivalent or better technology is acceptable.
II.	<u>Mass Spectrometer Specifications (MS):</u> I. Latest single quad EI MS must have a capacity to show the instrument detection limit of 1.5 fg or less for 10 fg/ul OFN for ion272.	I. Latest Time of Flight EI MS must have a capacity to show the instrument 8 replicate injections of 10 fg of OFN will yield a Instrument Detection Limit (IDL) of less than or equal to 5 fg OFN in full mass range mode.

	<p>II. MS system must have the SCAN sensitivity of 300:1 or better for OFN standard of 0.1 pg/ul,</p>	<p>This point has been deleted.</p>
	<p>IV. The Mass Filter and Detector should be placed on the same plate as Ion Source for better accessibility.</p>	<p>III. The Mass Analyser and Detector should be placed on the same plate</p>
	<p>V. The Mass Spectrometer shall have an electronic scan rate of 20,000 u/sec or better.</p>	<p>IV. The Mass Spectrometer shall have an electronic scan rate equivalent or greater than 250,000 amu/sec. or more than 200 Spectra Scan per Second. Any other equivalent or better technology is acceptable.</p>
	<p>VIII. Mass Spectrometer should utilize a Quadrupole Mass Filter consisting of a monolithic quartz structure without a quadrupole consisting of separate rods. The Quadrupole is to be independently heated and its temperature is to be user selectable from 106 to 200 degC.</p>	<p>VII. Mass Spectrometer should utilize a Time-of-Flight (TOF) mass analyzer with dual stage reflectron. Any other equivalent or better technology is acceptable.</p>
	<p>IX. Mass Range for the MS must be from 1.6 to 1050 Amu or better.</p>	<p>VIII. Mass Range for the MS must be from 10 to 1050 amu or better.</p>
	<p>H. GCxGC System</p> <p>i. Modulator system The GCxGC modulation must be Capillary Flow Technology based in order to achieve modulation starting from C1.</p>	<p>i. Modulator system The GCxGC modulation must be Thermal Modulation Technology based in order to achieve modulation starting from C1. Any other equivalent or better technology is acceptable.</p>

for 
Additional Registrar

Materials Management Division