



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
Powai, Mumbai 400076.

(PR No. 1000039821)

(RfxNo.6100001728)

Technical Specifications for CMC for LCMS 6550 QTOF System (Qty: 1 Nos.)

Sr.No	Specification	Compliance (Yes/No)	Additional Information if any
1.	<p>This is Comprehensive Maintenance Contract (CMC) for HRLCMS QTOF (High Resolution Liquid Chromatography Mass Spectrometer), Agilent. Liquid chromatography / Mass Spectroscopy (LC / MS) is a technique which combines high performance liquid chromatography HPLC, a powerful analytical separation technique with mass spectroscopy, a powerful analysis & detection technique. This Instrument is used for analysis of an organic substance, like Drugs, Dyes, Impurity profiling, Metabolite, Environment effluent sample, ETC.</p> <p>1. Scope of work:</p> <p>The Engineers must undertake the following checks:</p> <ol style="list-style-type: none">Binary pump: Check the solvent filters, seal wash, sample loop and tubings. To clean all solvent filters and tubing with solvents. Perform leak test and Pressure testInstrument vacuum system: check condition of Rough vacuum, high vacuum, TOF vacuum. To change the nitrogen filters and tip seal of Turbo pumps.DAD and Auto sampler: Check Door fitting for all modules. Perform leak test and Pressure test. To check needle seal leakage, buffer deposition and lamp hour.LCMS 6550 QTOF System: Check condition of ionization source APCI and ESI. To clean the LC and MS system with solvents as per the guide lines. To check the performance of detector.Solvent check: check the quality of solvents and water used.		

- f. **Performance and operational check:** To check the performance by doing tuning and calibration with the tuning solution.
- g. **Electronics and earthing:** Check the main voltage and cable condition, Check DC supplies, Value and stability, check all panel earthing resistance values/leakage current.

2. Service Level Agreement:

- a. **PREVENTIVE MAINTENANCE VISIT:** The Vendor needs to provide preventive maintenance inspections and carry out repairs, calibration, adjustments, alignment and cleaning as may be necessary Two times during the year of the term of this plan at reasonably spaced intervals.
- b. **EMERGENCY SERVICE:** The vendor needs to provide emergency visits in case of equipment failure. The number of emergency visits should be UNLIMITED.
- c. **REPLACEMENT PARTS:** During the Preventive maintenance or emergency visit, if any ORIGINAL EQUIPMENT PART or consumables are required, then this part will be provided by the customer from his stock of spare parts or the customer will import the same from the manufacturer.
- d. **COVERAGE HOURS:** The vendor shall perform maintenance and repair services at site location of malfunctioning device between the hours of 9.30A.M. 6.00 P.M. Monday to Friday.

3. Eligibility Criteria:

- a. Bidders should be able to engage Engineers having atleast 2 years of experience in LCMS 6550 QTOF system.
- b. Bidders should provide a PO contract copy of previous AMC executed towards in LCMS 6550 QTOF system.

	<p>c. Bidder should have experience of atleast 3 years in maintenance</p> <p>d. An undertaking (self-certified) is to be submitted by the bidder that the organisation has not been blacklisted by any Central/State Government Department/Organisation and educational institutes.</p> <p>e. The vendor should have work experience with atleast 2 Government Organisation/Educational Institutes.</p> <p>f. Bidders should have turnover of at least 14 lakhs per year for the last three consecutive years.</p> <p>g. Bidders should be able to corroborate the above claims and furnish supporting documents.</p> <p>4. Terms & Conditions:</p> <p>a. The bidder should attach certificate a compliance sheet with each of the scope of work.</p> <p>b. The Assigned Engineer should be capable of providing all necessary maintenance services to LCMS 6550 QTOF system.</p> <p>c. An undertaking of acceptance of the above terms & Conditions should be given by the Bidder</p> <p>d. If the bid does not fit the criterion or does not qualify the requirements, then IIT Bombay will have the right to cancel the tender without further clarification.</p>		
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