Food Safety and Standards Authority of India
(A statutory Authority established under the Food Safety and Standards Act, 2006)
(Quality Assurance Division)
FDA Bhawan, Kotla Road, New Delhi – 110002

Dated, the 04th December, 2019

RFP No. 13 /2019-20- PROCUREMENT OF HPTLC: CORRIGENDUM -01

Further to this office Tender Enquiry No. 13/2019-20 dated 14th October 2019 and pre-Bid on 28th November 2019.

2. The following amendment are made in the ibid tender:

PART I – GENERAL INFORMATION AND INSTRUCTIONS

1. **Last date and time for depositing the Bids:** 16th December 2019 by 1500 Hrs.

4. **Time and date for opening of Bids:** 16th December 2019 at 1530 hrs.

PART II – ESSENTIAL DETAILS OF ITEMS/SERVICES REQUIRED

9. **Bid Form**

TECHNICAL BID FORM (B)

Item	Specifications	Please Specify whether the quoted model meets the specification (Yes/No)	Name of the Model and its Specification
Mass Detector	1.SINGLE QUADRUPLE MASS DETECTOR: •The Detector should have both ESI and APCI source •Mass Range: Should be between 10 to 2000m/z or higher. •The ionization source should be of automatic tuning without any user interference.•Ionization source flow rate compatibility to the Flow rate of the Chromatographysystem. •Rapid positive/negative ionization mode switching: Should have Ability to switch between positive and negative ion modes in 15 ms. •All the calibrations & Tunings should be auto generated by the system & the start up time required should be as less as possible preferably lesser than 30 mins •Ion source: ESI Ion source should enable efficient transmission of ions into analyzer at the same time as providing robust removalof non-ionized materials (neutrals). •Mass resolution must be 2 M or better .•Tool-free user maintenance: Tool-free access to for all user maintenance.Ion guides: -Ion guides with Q Array and Octapole for elimination of neutral noise with increased Sensitivity.		

	•Automated mass calibration & verification and mass resolution control & verification for consistent data quality through internal standard. •Detector: The Detector should incorporate a low noise EMT detector positioned after the mass analyzer. It should be maintenance free . •Scan Speed: 15,000 u/sec or better •ESI Signal to Noise Ratio(sensitivity) = 1500:1 (RMS)or better •APCI Signal to Naoise (sensitivity) > 1000 (RMS)or better •It should come with a Clean, differentially pumped, automated vacuum system comprising air-cooled split flow turbomolecular drag pump and integrated &rotary vane vacuum backing pump. •Size & weight: Vendors need to specify the size and weight of the Detector, also mention whether the detector can be positioned above/below the HPLC system. The size & weight of the system should be as less as possible. •Automated acquisition : Automatically-optimized single ion recording (SIR) and full scan (FS) analysis in m/z range 10-2000or Better for enhanced data quality for required spectra or points per second (Hz). •Simultaneous SIR and full scan modes: The ability to acquire both full scan and SIR at the same time to obtain qualitative and targeted information should be present. The instrument must allow to collect highly specific Quantitative data for target compounds while providing the ability to visualize all other compounds through an information rich acquisition approach. •In-source fragmentation experiments: The ability to run functions in a single experiment with varying cone (or equivalent) voltages. •A single instrument method file: The mass Detector must have a single method file where all parameters are set for an analysis. •Necessary startup kits along with proper Tees & splitter must be provided for smooth running of the instrument so that both UV/Visible Detector & Mass Detectors can be utilized simultaneously. •A suitable imported noise free nitrogen gas generator with in-built compressor, filters, or any other accessory required for functioning of system, should be supplied to take care gas requirements for ionization source		

Sd/-
(Umesh Kumar Jain)
Joint Director(QA)