

Madan Bhandari University of Science and Technology Development Board (MBUSTB)
Setopati, Lalitpur Metropolitan City Ward 18, Nepal

Date: December 21, 2021

Clarification No. 1

This is to notify all concerned that MBUSTB, Setopati, Lalitpur, Nepal has made following clarifications on the queries of the bidders regarding the bidding Document for the Supply, Delivery, Installment. Testing and Commissioning of Laboratory Equipment, Contract ID IFB No. MBUSTDB/G/NCB-01.03/2078/79 (Special Laboratory Equipment), published in the Kantipur national daily newspaper and www.bolpatra.gov.np/egp on November 19, 2021, Friday (Mangsir 03, 2078).

No.	Reference of Biding Document	Query from the Bidder	Response from the Purchaser
1	Technical Specification, Item No. 1: Gas chromatography mass spectroscopy (GC-MS)	We also would like to bring your attention on Tender Ref: MBUSTDB/G/NCB-0L.03/2078179 for Gas Chromatography Mass Spectroscopy (GC-MS), the specification only focuses on some parameters of MS Detector, the specification is silent on GC spec. Besides, the common accessories like PC & Printer, Gas like N2 (Large Cylinder), Online UPS (Min 5 KVS with battery backup), Copper wire, Moisture Trap, Columns is silent. We would request to specify these basic accessories as well.	Specifications have been revised. Please refer to Addendum Notice No. 2.
		Scalable platform with high sensitivity detection, high resolution compound identification, high mass data accuracy, and low energy ionization facilitating enhanced chromatography EU/USFDA/Japan/FSSAI, etc. Mass Resolution - 30000 or better Upgradable to GC-MS/MS. Please add mass resolution so that vendors offer comparable models.	Mass Resolution – 30000 (FWHM) is brand specific
		e) Mass accuracy 5 ppm for all mass range. Please change to 3 ppm with external calibration and 1 ppm with internal calibration. Since instrument is asked high sensitive & high resolution thus request you to keep at lease suggested values.	Specifications have been revised. Please refer to Addendum Notice No. 2.

No.	Reference of Biding Document	Query from the Bidder	Response from the Purchaser
		f) Acquisition range 1-50 spectra/sec or higher. Change to 40 Hz (spectra/sec) or better We offer 40 Hz(spectra/sec)	Specifications have been revised. Please refer to Addendum Notice No. 2.
		o) List of Standards Accessories vials with cap and septum, glass insert, rings, injector septum, ferrule, micro syringe. Please also add AS with 8 vials or higher capacity. Also include NIST 2020 library and High resolution mass spectra library for food & environmental contaminants library Auto sampler specification are missing. For data authentication libraries are to be used.	Specifications have been revised. Please refer to Addendum Notice No. 2.
		The Manufacturer wants to be clear regarding Some Points for Circumferential Extentiometer. Make and model of testing machine controller into which the extensometer will be plugged in and type of connector to be offered. Calibrator – whether a shunt calibration device is needed or a full mechanical calibrator with a display unit. Please share detailed specs	Specifications have been revised. Please refer to Addendum Notice No. 2.
		Scalable platform with high sensitivity detection, high resolution compound identification, high mass data accuracy, and low energy ionization facilitating enhanced chromatography EU/USFDA/Japan/FSSAI, etc. Mass Resolution - 30000 or better Upgradable to GC-MS/MS. Please add mass resolution so that vendors offer comparable models. Please add mass resolution so that vendors offer comparable models.	Specifications have been revised. Please refer to Addendum Notice No. 2.
		Please add mass resolution so that vendors offer comparable models. Please add mass resolution so that vendors offer comparable models.	Specifications have been revised. Please refer to Addendum Notice No. 2.
		e) Mass accuracy 5 ppm for all mass range. Please change to 3 ppm with external calibration and 1 ppm with internal calibration. Since instrument is asked high sensitive & high resolution thus request you to keep at lease suggested values.	Specifications have been revised. Please refer to Addendum Notice No. 2.

No.	Reference of Biding Document	Query from the Bidder	Response from the Purchaser
		f) Acquisition range. 1-50 spectra/sec or higher Change to 40 Hz (spectra/sec) or Better We offer 40 Hz(spectra/sec)	Specifications have been revised. Please refer to Addendum Notice No. 2.
		o) List of Standards Accessories. vials with cap and septum, glass insert, rings, injector septum, ferrule, micro syringe Please also add AS with 8 vials or higher capacity. Also include NIST 2020 library and High resolution mass spectra library for food & environmental contaminants library Auto sampler specification are missing. For data authentication libraries are to be used	Specifications have been revised. Please refer to Addendum Notice No. 2.
		The Manufacturer wants to be clear regarding Some Points for Circumferential Extentiometer. 1. Make and model of testing machine controller into which the extensometer will be plugged in and type of connector to be offered. 2. Calibrator – whether a shunt calibration device is needed or a full mechanical calibrator with a display unit. Please share detailed specs. These points need to be cleared.	Looking for the circumferential extensometer, as one of the equipment for the materials lab testing - diametrical strain of the test sample under compressive test in a CST machine or UTM.
		Request to amend the specification. Gas chromatography– Mass Spectrometry - Head Space (GC -MS/HS) is a hybrid analytical technique that couples the separation capabilities of GC with the detection properties of MS to provide a higher efficiency of sample analysis and headspace autosampler to offer a reliable tool for the analysis of volatile compounds with excellent linearity and reproducibility. GC -MS - HS provides enhanced sample identification, higher sensitivity, an increased range of analyzable samples, and faster results, which enable a whole new range of applications in several areas.	Specifications have been revised. Please refer to Addendum Notice No. 2.

Prof. Rajendra Dhoj Joshi
Chairperson
Date: December 21, 2021