

F. No. PUR/CoE-NDPS-2/GC MS-MS (1)/ 25-26/ 169

Date: 13.01.2026

CORRIGENDUM NOTICE

Subject: Amendments in Technical specification against GeM Bid no: GEM/2025/B/7042228, 31.12.2025

Ref: GeM Bid no: GEM/2025/B/7042228 for the purchase of GC-MS/MS – 1 qty published on GeM Portal on 31/12/2025.

1. Reference to the above-mentioned tender, it is hereby informed to all concerned that certain amendments have been made in the technical specifications. The revised specifications are detailed below:

Sr.no	Tender Specification	Amendment in specifications
01	Single turbo molecular pump with a min capacity of 280L/min or better.	Single turbo molecular pump with a min capacity of 280L/min or better or equivalent.
02	Safety Accessories: Fire Extinguisher, Gas Leak Detector and safety signage	Request to amend as Fire Extinguisher for Hazardous gases like Oxygen & Hydrogen
03	End date and time of Bid: 15.01.2026	Revised End date and time of Bid: 23.01.2026

2. All other terms and conditions of the Tender shall remain unchanged.
3. All interested bidders are advised to carefully read the corrigendum before submitting their bids.
4. Bidders are requested to take note of the above amendments and submit their revised bids accordingly.

Sd/-
Campus Director
NFSU, Gandhinagar

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General Specifications for Triple Quadrupole Gas Chromatograph-Mass Spectrometer (GCMS/MS)

Mass Spectrometer (MS)	
Modes	Full Scan, Selected Ion Monitoring (SIM), Multiple/Selected Reaction Monitoring (MRM/SRM), Product Ion Scan, Neutral Loss Modes, Dynamic MRM, and Targeted MRM.
Ion Source	Dedicated Electron Ionization (EI) source capable of temperatures up to 350°C or higher; dual filaments with automated switching for continuous operation; programmable functionality for greater flexibility. Electron Energy: Adjustable electron energy from 0eV to 100eV or better.
Mass Analyzer	Quadrupole, Mass range of 10–1050 m/z or better; resolution tunable to 0.4 u or better; mass stability of ≤0.1 u over 48 hours. Sensitivity 0.3 fg or better with OFN.
Collision Energy Range	Adjustable from 0 to 60 eV or higher for enhanced ion fragmentation control.
Scan Speed	Up to 20,000 u/sec or better; at least 800 SRM transitions/sec; minimum dwell times of 0.5 ms or better.
Vacuum System	Single turbo molecular pump with a minimum capacity of 280 L/min or better; differential evacuation system for high sensitivity.
Gas Chromatography (GC)	
Oven	Operates from ambient +3°C to 450°C or better; cooldown from 450°C to 50°C in less than 4 minutes; heating rate of 120°C/min or higher.
Injectors	Two injection ports: Split/Splitless and Programmable Temperature Vaporizer (PTV); split ratio up to 12,000:1 or higher; maximum injector temperature of 400°C or more with Pressure capability up to 150 psi for both SSL & PTV injector.
Flame Ionization Detector (FID)	Operates up to 450°C; linear dynamic range better than 10 ⁷ ; minimum detection limit (MDL) of <1.2 pg C/sec.
Retention Time Repeatability	Retention time <0.0008 min; peak area reproducibility <1.0% RSD.
Auto sampler	
Liquid Auto sampler	Configurable with a minimum of 8 vials, expandable to 150 or more; includes syringes with capacities up to 100 µL.
Headspace Autosampler	Valve and loop-based system; Minimum 10 vial incubation or more including Overlapping mode, transfer line temperature adjustable up to 300°C. or more
Data System and Software	
Software	Fully integrated software with advanced chromatographic integration, method development support, GLP/GMP compliance 21 CFR compliant, and compatibility with the latest NIST library (2023 or equivalent); supports automated method creation and dwell time optimization.
Computer Specifications	Intel Core i7-8700, 32GB (4X8GB) DDR4 2666MHz RAM, M.2 512GB Solid State Drive, Ultra Sharp 24" Infinity Edge Monitor, Win10 Enterprise Long-Term Servicing Channel (LTSC), Display Monitor: 1 No. (32 inches Samsung UHD monitor) or better

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Printer Specifications	A3 Monochrome Laser Multifunctional, Print, Copy, Scan, Send, Store and Optional Fax ,
Accessories and Consumables	
Columns	<p>Supplied with capillary columns</p> <ul style="list-style-type: none"> • 4 Nos 5% phenyl methylpolysiloxane (e.g., HP-5MS equivalent) (30 m length, 0.25 mm ID, 0.10/0.25 µm thickness). • 1 Nos 100% dimethylpolysiloxane (e.g., DB-1MS equivalent) • 1 Nos polar column (e.g., 50% phenyl or equivalent)
Consumables	<ul style="list-style-type: none"> • Graphite/Vespel ferrule for 0.25mm ID Column Qty 20 • Graphite/Vespel ferrule for 0.32mm ID Column Qty 20 • Graphite ferrule for 0.1mm to 0.32mm ID Column Qty 20 • Graphite/Vespel ferrule for 0.53mm ID Column Qty 20 • Injector Septa - Qty 200 • Capillary Column nut for S/SL Injector – each Qty 20 • 10uL Liquid Auto Sampler Syringe – Qty 30 • 2ml size vial with cap & septa – Qty 2000 • Vacuum Pump Oil 1 ltrs – Qty 2 • Filament – Qty 2 • Liner sealing ring for S/SL– each Qty 50 • Split & Splitless Liner for S/SL– each Qty 100 • Inlet seal for Split & Splitless mode- each Qty 50 • Capillary column cutter – Qty 2 • Calibration compound FC-43 – Qty-1 • Replacement Filter – 1 • Aluminium Oxide – 1 • Ferrule for MS – 5
UPS	10 kVA online UPS with inbuilt transformer providing at least 90 minutes of backup for uninterrupted operation.
Warranty and Support	
Installation	The vendor shall ensure safe transportation, custom clearance and installation of instrument at customers site.
Warranty	Comprehensive three-year warranty covering all components and accessories; optional CAMC for an additional two years.
Training	Includes two training sessions, each lasting at least five days, to ensure user competency in operation and maintenance within the warranty period
Validation	Provides valid IQ/OQ documentation for compliance and operational reliability.
	<p>IMPORTANT NOTE:</p> <p>Offer should indicate all parts with details specification and Brand as required in our specifications</p> <p>Training must be given at sight and the training schedules should be at least 5 days in two sets within the warranty period. The supplier should enclose the technical compliance statements against our technical specifications clearly mentioning for each point. The statement should be supported by relevant literature/data.</p> <p>Instrument should be quoted with warranty & CMC</p>
Software, License & System Setup	<ul style="list-style-type: none"> • Data Processing Software: <ul style="list-style-type: none"> • Fully licensed version of data acquisition and processing software. • Include at least 2 additional workstation licenses (for

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	<p>QC and R&D systems).</p> <ul style="list-style-type: none"> • NIST & Vendor Libraries: <ul style="list-style-type: none"> • Latest NIST MS Library (2023 or higher) supplied • Vendor-specific Forensic and WADA compound libraries • Data Backup & Connectivity: <ul style="list-style-type: none"> • External 2 TB SSD for data archiving • Configuration for network-based data backup.
Installation, Service & Training	<ul style="list-style-type: none"> • Installation & Commissioning: <ul style="list-style-type: none"> • Full on-site installation with all accessories, gases, and consumables. • Supply and fitting of gas lines and regulators • Training: <ul style="list-style-type: none"> • Two training sessions (minimum 5 days each) <ul style="list-style-type: none"> ◦ Session 1: Operation, software, and maintenance. ◦ Session 2: Method development and troubleshooting. • Refresher Training: <ul style="list-style-type: none"> • One additional refresher training session after one year • Preventive Maintenance Kit: <ul style="list-style-type: none"> • First preventive maintenance kit (PMK).
Utilities & Safety	<ul style="list-style-type: none"> • Safety Accessories: <ul style="list-style-type: none"> • Fire extinguisher, gas leak detector, and safety signage • Environmental Monitoring <ul style="list-style-type: none"> • 2 Nos NABL ISO 17025:2017 Calibration traceable Room temperature/humidity monitor (with certificates) Utility: <ul style="list-style-type: none"> • Certified & NABL ISO 17025:2017 Calibration Lab traceable Flow meter for GC With certificate

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→ Considering the safe installation and smooth operation, one "VIBRATION FREE TABLE" of adequate size and capacity to sustain the load, & accommodate accessories may be included in tender bid.

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