

CORRIGENDUM

Based on pre-bid meeting held on 18-02-2026, the following amendments in GeM Bid No.:
GEM/2026/B/7148899 dated: 09-02-2026, are notified:

Sr. no.	Existing specifications in the tender	Revised Specifications
1.	<p><u>Applications:</u></p> <ol style="list-style-type: none"> 1) Assessment of body composition using isotopic methods. 2) Validation of total body water measurements by bioelectrical impedance analysis. 3) Assessment of breast milk volume using isotopic methods. 	<p><u>Applications:</u></p> <ol style="list-style-type: none"> 1) Assessment of body composition using isotopic methods such as analysis of Deuterium enrichment in liquid samples (saliva and water). 2) Assessment of breast milk volume using isotopic method - Deuterium Dose to Mother (DTM) studies involving analysis of deuterium enrichment in liquid samples (saliva and water).
2.	<p><u>Required Features and Specifications:</u></p> <ol style="list-style-type: none"> 1) Single beam optical system. 2) Michelson interferometer. 3) Wave number range: 7,800cm⁻¹ to 350cm⁻¹ with KBr beam splitter. 4) Wave no. accuracy: ±0.01cm⁻¹ or better 5) Resolution: 0.5cm⁻¹ or better 6) Sample compartment size: approximate and tentative dimensions 20cm (W) * 25cm (D) * 18cm (H). 7) Temperature controlled detector with high sensitivity and stability. 8) Signal to Noise ratio: should be >30,000:1 (Peak to Peak) 9) Light source: High intensity ceramic source/ or any other suitable source of light. 10) Operating Voltage: 230V AC, 50Hz. 	<p><u>Required Features and Specifications:</u></p> <ol style="list-style-type: none"> 1) Single beam optical system. 2) Michelson interferometer. 3) Wave range: 5200 to 630 cm⁻¹ 4) Optical engine: ZnSe beam splitter, non-hygroscopic. 5) Wave no. accuracy: <0.5 cm⁻¹ 6) Resolution: 2-16 cm⁻¹ 7) Sample compartment: Direct measurement capability to measure single drop of sample (approximately 20 µL). 8) Due to the contexts in which it is expected to be employed, the system should be easy to use, not requiring any sample preparation. 9) Sample measurement should be minimally affected by CO₂ interference from the laboratory atmosphere. 10) Analytical capability: The system shall be capable of analysis of deuterium abundance in saliva with a limit of quantitation of < 50 mg/kg (LOQ = 10 x SD at natural abundance). 11) The system shall be capable of undertaking 3 replicate measurements from fluid samples of <100 µL. 12) The system should have fixed optical path lengths including 100 µm, for ease of operation in the field. 13) The system shall be portable with robust optical components designed for field use. 14) The system shall be packed in a rugged, weather resistant housing. 15) The system shall be capable of normal use under battery power over periods greater than 2 hours. 16) Temperature controlled DTGS detector with high sensitivity and stability. 17) Signal to Noise ratio: should be 12000:1 RMS noise 18) Infrared source: Ceramic source/ or any other suitable source of light. 19) Operating Voltage: 230V AC, 50Hz.

Sr. no.	Existing specifications in the tender	Revised Specifications
		20) Operating temperature: 0-50 degree C. 21) Response time: <0.3s
3.	<u>Software:</u> 1) Powerful single software for controlling the equipment operation. 2) Suitable software for data processing and analysis work for applications of: a) Assessment of body composition using isotopic methods. b) Validation of total body water measurements by bioelectrical impedance analysis. c) Assessment of breast milk volume using isotropic methods.	<u>Software:</u> 1) Should include software for controlling the equipment operation. 2) Suitable software for data processing and analysis work for applications to report precise results of deuterium abundance in mg/kg in real time, to screen and to file.
4.	<u>Essential Accessories required:</u> 1) Latest configuration and suitable P.C., printer, monitor for FTIR equipment. 2) Online U.P.S. of suitable capacity for one hour backup for total operation of equipment. 3) Polystyrene film for calibration should be supplied with NIST Certification. 4) 100 micron sealed calcium fluoride window cell (Quantity=2 nos.)	<u>Essential Accessories required:</u> 1) Latest configuration and operated by a laptop working under a 64 bit Microsoft Windows OS or equivalent system. 2) Online U.P.S. of suitable capacity with 30 minutes backup for total operation of equipment. 3) Polystyrene film for calibration should be supplied with NIST Certification.
5.	<u>Other Important requirements:</u> 1) The manufacturer/ supplier should provide GMP/GLP certificate for instrument. 2) The manufacturer/ supplier should provide relevant application notes for mentioned scope of applications. 3) The manufacturer/ supplier should also demonstrate the scope of application after installation.	<u>Other Important requirements:</u> 1) The manufacturer/ supplier should provide ISO certificate for instrument. 2) The manufacturer/ supplier should provide relevant application notes for mentioned scope of applications by producing published documents by IAEA, or peer-reviewed journals. 3) The manufacturer/ supplier should also demonstrate the scope of application after installation.
6.	<u>Terms and Conditions:</u> 1) The accessories supplied like U.P.S., P.C., printer, etc. should also be covered under warranty upto 5 years from installation with main equipment.	<u>Terms and Conditions:</u> 1) The accessories supplied like UPS, laptop, printer, etc. should also be covered under warranty up to 3 years from installation with main equipment. AMC Service for next 2 years for the offered product at the rate of not more than 5% of contract price per annum, which will be paid Bi-annually. The original Performance Security of contract will be returned only after submission and verification of AMC Performance Security for 5% of total AMC value valid up to AMC period plus 2 months (if there is no other claim). Bid value should include cost of Equipment along with AMC charges with price break-up.

All other specifications with terms and conditions will remain unchanged as per the original tender.