

F. No. PUR/SMLS-2/Handheld Raman Spectrometer (1)/ 25-26/403

Date:06.02.2026

**CORRIGENDUM NOTICE**

**Subject: Amendments in Technical specification against GeM Bid no: GEM/2025/B/7124921, 21.01.2026**

Ref: GeM Bid no: GEM/2025/B/7124921 for the purchase of Handheld Raman Spectrometer – 1 qty published on GeM Portal on 21/01/2026.

- 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:
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Sr.no	Tender Specification	Amendment in specifications
01	Sr.no: 2, Laser Excitation Wavelength: 785 nm	Sr. No. 2, Laser Excitation Wavelength: Instrument shall operate at 785 nm or 1064 nm
02	Sr.no: 3, Laser output power: 3 level or more, 300mW or higher	Sr. No. 3, Laser output power: 3 levels or more, 300 mW or higher or variable capacity to increase or decrease output power.
03	Sr.no: 5, Spectral Range: 400 cm-1 to 2300 cm-1 or better	Sr.no;05, Spectrum Range: 400-2800 cm-1 or Better
04	Sr.no: 7, Spectral resolution: 8-10 cm-1 or better	Sr. no. 07, Spectral resolution: $\leq 10$ cm <sup>-1</sup>
05	Sr.no: 11, Data Formats: .txt, .csv, .jcamp	Sr. No. 11, Data Formats: .txt or .csv. or .jcamp or .pdf
06	Sr.no: 12, Connectivity: USB C. WIFI. (2.4GHz) Bluetooth 5.1	Sr.no;12, connectivity: USB C. Wifi. (2.4GHz) Bluetooth 5.1 USB (Type A/C) or RS232
07	Sr.no: 20, MTBF: 50000 Hrs or higher	Sr. No. 20, MTBF: (Mean Time Between Failure)
08	Sr.no: 24, Standard Library: Standard Library should be provided	Sr. No. 24, Standard Library: a comprehensive spectral library of not less than $\leq 20,000$ spectra of both organic and inorganic compounds including a minimum of <b>10,000 forensic-relevant entries</b> covering narcotic drugs, explosives, pesticides, pharmaceuticals, polymers, fibers,

		inks, and common chemicals with the ability to create own library.
09	<b>End date and time of Bid: 11.02.2026</b>	Revised End date and time of Bid: 15.02.2026

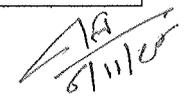
3. All other terms and conditions of the Tender shall remain unchanged.
4. All interested bidders are advised to carefully read the corrigendum before submitting their bids.
5. Bidders are requested to take note of the above amendments and submit their revised bids accordingly.

**Sd/-**  
**Campus Director**  
**NFSU, Gandhinagar**

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**Specifications for Handheld Raman Spectrometer**

S.No.	Parameter	Specification
1.	<b>Instrument type</b>	Handheld Raman Spectrometer for Solid, Liquids and powder
2.	<b>Laser excitation wavelength</b>	785nm
3.	<b>Laser output power</b>	3 levels or more, 300mW or higher
4.	<b>Barcode reader</b>	Yes, QR or most common barcode format
5.	<b>Spectral range</b>	400 cm <sup>-1</sup> to 2 300 cm <sup>-1</sup> or better
6.	<b>Autofocus</b>	Yes
7.	<b>Spectral resolution</b>	8-10 cm <sup>-1</sup> or better
8.	<b>Detector type</b>	Linear CCD Array
9.	<b>Display</b>	Color TFT with LED backlighting or better
10.	<b>Memory</b>	More than 100 000 measurements
11.	<b>Data formats</b>	.txt, .csv, .jcamp
12.	<b>Connectivity</b>	USB C. WiFi. (2.4GHz) Bluetooth 5.1
13.	<b>Battery</b>	Rechargeable. More than 12 hours of typical use
14.	<b>Operating temperature</b>	-20°C to +50°C (-4°F to 122°F) or better
15.	<b>Storage temperature</b>	-30°C to +50°C (-22°F to 122°F) or better
16.	<b>Relative humidity</b>	5-90%
17.	<b>Start-up time</b>	Less than 20 Sec in room temperature or better
18.	<b>Scan time</b>	Most Substance Less than 5 Sec or better
19.	<b>Exposure</b>	Auto-exposure or manual exposure, 0.001 – 60 seconds or better
20.	<b>MTBF</b>	50,000 Hrs or higher
21.	<b>Mixture analysis</b>	Yes
22.	<b>Features</b>	Auto-focus, Quick Scan, User authorization, Event logging, Scan delay, User-defined libraries, User- added substances
23.	<b>Delay function</b>	Yes
24.	<b>Standard Library</b>	Standard Library should be provided
25.	<b>Consumables</b>	All necessary consumable items should be included
26.	<b>Certification</b>	CE compliant or equivalent
27.	<b>Installation and Demonstration</b>	Installation and performance demonstration at NFSU, Gandhinagar
28.	<b>Training</b>	Training should be provided at installation site
29.	<b>After sales support &amp; services</b>	After Sales service should be such that downtime should not exceed more than 2 weeks after lodging complaint


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30.	<b>Warranty</b>	Up to 3 Years Comprehensive warranty
31.	<b>Electrical Requirement</b>	100-240 VAC Main, 50 -60 Hz
32.	<b>Other Required Accessories</b>	Vendor should provide all other required accessories like power cable, user and operational manual etc. for smooth functioning of the instrument.

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