



## Notice Inviting e-Tender

**West Bengal Medical Services Corporation Limited**  
**Swasthya Sathi**  
**GN-29, Salt Lake, Sector-V**  
**Kolkata-700091**

Phone No (033) 40340307/320  
E mail: [procurement@wbmsc.gov.in](mailto:procurement@wbmsc.gov.in)

**Procurement, supply and installation of Hi Tech Analytical Instruments for State Drugs Control & Research Laboratory (SDCRL) of the Government of West Bengal**  
(Submission of Bid through *online*)

**Bid Reference No.: WBMSCL/NIT-279 /2025**

**Dated-08.04.2025**

The following amendment have been made in the tender document,

### Amendment –I (Revision of Technical Specification)

The revised technical specifications for the item is given below,

#### Fully Computer controlled FTIR for varied application

1. Spectral range should be 7800-350  $\text{cm}^{-1}$  or better with KBr beam splitter and KBr windows.
2. Spectral resolution: 0.5  $\text{cm}^{-1}$  or better freely adjustable, Wave number accuracy:  $< 0.05 \text{ cm}^{-1}$  @ 2,000  $\text{cm}^{-1}$  or better. Wave number precision:  $\leq 0.001 \text{ cm}^{-1}$  @ 2,000  $\text{cm}^{-1}$  or better.
3. Signal to noise ratio:  $\geq 35,000:1$  for 1 minute peak to peak or higher
4. Detector should be room temperature DLATGS/DTGS or better
5. Optical design should have gold coated/diamond turned mirrors permanently or dynamically aligned interferometer.
6. Accessory recognition: Having continuous monitoring of spectrophotometer components like source, laser, detector, and interferometer and continuous background correction even when instrument is in idle state.

Should have automatic identification of Sampling modules and spectral test routines should automatically start to verify accessory performance.

7. Accessory: Transmission Unit and Universal Monolithic Diamond ATR having 05 years warranty on crystal for direct analysis of solid, liquid, paste, powder and gel samples without sample preparation.
8. Software specifications: Software for data measurement, manipulation, and evaluation.

Following libraries should be offered with the system:

Library should include minimum 25,000 spectra from organic and inorganic chemicals, biochemical, ingredients, natural products, fibres, proteins, fatty acids, lipids, cosmetics, food, food additives, pharmaceuticals, and drugs having.

**Software:** Latest version of windows based IR Software (compatible match, normalization latest) with License to control all functions of the FTIR system like facility for self- diagnostic, software controlled interferometer auto tuning, auto alignment, auto component recognition, and auto optimization data collection, data processing, live data display, spectral quality check, spectral search from commercial library, Spectral match, normalization, Peak Area, Peak Height calculations, creation of user generated library, automatic atmospheric correction, spectral interpretation etc

9. Instrument must have minimum 03 year standard warranty. Special 10 years warranty for Laser, Interferometer and IR Source should be included in offer.
10. System should not require inert gas purging.
11. Sample preparation Accessories to be supplied: All necessary sample preparation accessories are to be supplied from local source for Transmission unit such as 15 Ton Hydraulic Press, Agate Mortar Pestle, KBr Die set, IR grade KBr Powder, Liquid de- mountable cell holder for rectangular KBr cell window with window.
12. All necessary installation pre-requisite spare to be offered under separate head to make the system functional. Declaration for 10 years availability of spares should be provided.
13. The equipment has to be provided with: Branded computer system (i5), 22", 1TB, of standard configuration with licensed version Operating Software along with Branded B/W laser jet printer and suitable online UPS with 20 minutes back-up to run the instrument and computer .
14. The bidder should submit European CE (4 Digit notified body) /BIS/CDSCO Certification from the competent authority.

**Pre-installation requirement-**

Complete technical details of pre-installation requirements should be furnished.