



Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited
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Kolkata-700091

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**Procurement of ELISA Machine along with reader & washer for the Department of Microbiology
for Dengue test at Sarat Chandra Chattopadhyay Govt. Medical College & Hospital, Howrah
(Submission of Bid through online)**

Bid Reference No.: WBMSCL/NIT-1056/2025

Dated-23.12.2025

Amendment-I

Revised Technical Specification
ELISA Machine along with reader & washer

Reader Specifications:

1. Detection method – Absorbance.
2. Should have Wavelength range in nm **-400-700.**
3. LED light source should be provided.
4. Should have standard filters 405, 450, 492, 630 nm with provision to add three more filters.
5. Should have automatic filter selection.
6. Should have 96 wells/30sec.
7. Should have precision < 1%CV.
8. Should have Dynamic range in OD of 0 to 4.0.
9. Should have resolution of 0.001.
10. Should have photometric accuracy of **±3%** or better.
11. **Should contain 96 numbers of samples at a time (minimum) including control samples.**
12. Should have End point, absorbance mode.
13. **Should have LIN/LIN, LOG/LOG, Auto curve Curve fit Modes.**

14. Should have variable speed and plate/ strip shaking capability.
15. Should have easy access to 6 position filter wheel.
16. Should have UV or flat type wells.
17. Should have blanking facility.

Washer specifications

1. Wash cycle should be of 0-6
2. Low Residual volume less than 2 µl for U and v bottom wells and less than 5 µl for flat bottom wells.
3. Washer buffer capacity in litres should be 2
4. Soak time in hours should be 1
5. Should have availability of rinse function.
6. Should have capability to wash flat, U or V bottomed micro plates.
7. Should have >= 25 memory storage capability of wash program.
8. Should have Internal positive displacement syringe or peristaltic pressure pump fluid delivery method.
9. Should have continuous operating cycle.
10. Should to be able use of Pressurized /non-pressurized bottles to minimum the risk of spillage.
11. Should have substitute bottles of different sizes.
12. Should have availability of cover to prevent aerosols of infectious diseases from spreading
13. Should have 8 or 12 way washer manifold
14. Should have L-J chart, CV evolution, OD evolution.
15. Should have waste bottle with full bottle alarm or sufficient mechanism to avoid spillage and damage to equipment.

Process security

1. Should have Semi Quantitative, Quantitative and Qualitative Data Processing.
2. Suitable UPS to be supplied along with the Machine.

Certification: The bidder should submit valid CDSCO Certificate/Registration/ License for both the manufacturer (s) and importer (s) as applicable.