



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

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-643/2025

Dated-24.07.2025

Amendment-I

Revised Technical Specification

Reader Specifications:

1. Detection method – Absorbance.
2. Should have Wavelength range in nm -400-750.
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 OD accuracy of < 1% at 2 OD.
11. Should have photometric accuracy of +3% or better.
12. <0.5 at 2.0 OD typical.
13. Should contain 96 number of samples at a time (minimum).
14. Should have End point, **absorbance mode**.
15. Should have LIN/LIN, LIN/LOG/LOG, Auto curve Curve fit Modes.

16. Should have variable speed and plate/ strip shaking capability.
17. Should have easy access to 8 position filter wheel.
18. Should be provided with air wise, well wise blanking facility.
19. Should have UV and flat type wells.

Washer specifications

1. Wash cycle should be of 0-6
2. Low Residual volume less than 1 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 dispense pressure pre-set.
6. Should have availability of rinse function
7. Should have capability to wash flat, U or V bottomed micro plates
8. Should have >= 25 memory storage capability of wash program
9. Should have Internal positive displacement syringe pump fluid delivery method
10. Should have autoclavable plate carrier
11. Should have continuous operating cycle
12. Should to be able use of non-pressurized bottles to minimum the risk of spillage
13. Should have substitute bottles of different sizes
14. Should have availability of aerosol cover to prevent aerosols of infectious diseases from spreading
15. Should have 8 or 12 way washer manifold
16. Should have L-J chart, CV evolution, OD evolution, wet guards operating modes
17. Should have waste bottle with full bottle alarm or sufficient mechanism to avoid spillage and damage to equipment

Process security

1. Should have interfacing with computer including desktop PC running windows based OS
2. Should have Semi Quantitative, Quantitative and Qualitative Data Processing

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