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F-80 RMSC/EPM/M-4/NIB-945/2025-26/ 877

Date: 05/10/26

Clarification/Corrigendum/Addendum

Subject: Amendment in technical specification, item Semi Auto Analyzer F-80
RMSC/EPM/M-4/NIB-945/2025-26/ 1866 Dated 19-03-2026

Revised Technical Specification of Semi Auto Analyzer

1. Analyzer-semi automated bench top device using wet chemistry reagents.
2. Analyzer should have ability to use both external cuvettes and integrated flow cell.
3. Analyzer should have direct test access keys on the key board/touchscreen for routine chemistry parameters.
4. Analyzer should have above 100 programmable channels.
5. Analyzer must have keyboard/touchscreen with water proof membrane.
6. Analyzer must have following assay types
 - 1-Point (End Point), 1-Point with sample blank
 - 2-Point (Fixed Time)
 - Rate-A (Kinetic),
 - Absorbance Measurement.
7. Analyzer must have following calibration types
 - Linear, Two Point
 - K Factor
 - Log-Logit
8. In kinetic assays, measurement interval should be 1 second.
9. Analyzer must have storage for three different calibration for each chemistry.
10. Three level controls (QC) with day to day Levey Jennings chart stored and displayed.
11. The flow cell must be Quartz.
12. The flow cell must have an optical path of 10 mm.
13. The flow cell volume should be less than 20 ul.
14. Measurement temperature range should be from 20-40 degree C with variable 1 degree C increment.
15. Analyzer must have following wavelengths as standard
 - 340 nm, 415 nm, 510 nm
 - 546 nm, 578 nm, 600 nm
 - 660 nm, 700 nm.
16. Analyzer should have absorbance range from 0.00-3.0 Abs units.
17. Analyzer resolution must be 0.0001 Abs.
18. Analyzer detector should be more than 12 bit silicon photo diode.
19. Analyzer must store 1000 results.
20. Analyzer must store reaction graphs for previous 10 samples.
21. One year QC data can be stored.
22. Internal thermal printer should be available.

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23. Analyzer should be capable to do multiple testing up to 3 replicates. Should display mean, SD, CV.
24. Measuring time programmable from 2-998 seconds for kinetic & two point type tests and delay from 0-999 seconds
25. Analyzer should be able to perform HbA1c testing.
26. Analyzer should have semi-automatic aspiration of reaction mixture directly into flow cell using peristaltic/bellows pump.
27. Firm will supply one UPS (1 KVA online), Micropipettes-4 (10 µl, 25 µl 500 µl, 1000 µl), Tip-400 (100 for each pipettes) and reagent Glucose, Urea, Creatinine, SGPT, SGOT, Bilirubin and QC. (1 set of reagent) free of cost at the time installation of equipment
28. The system should be quoted with standard three year guarantee with all accessories.
29. CMC shall be given @ 4% of net rate (excluding GST as applicable) and yearly escalation of 5% on last year's CMC price. The CMC may be awarded for five years (on yearly basis) after Guarantee period of three years.
30. Demonstration of functionality should be arrange at Jaipur.
31. Quoted model should be USFDA approved/ECE-IVD from notified body/ECE-IVDR from notified body/BIS (valid certificate must be submitted in technical bid).
32. Copy of valid CDSCO licence for quoted model must be submitted in technical bid.

Note:- All other terms & conditions remains the same.

**Director (P)
RMSCL, Jaipur**

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