

Notice Inviting e-Tender
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SUPPLY OF BLOOD-BANK EQUIPMENTS IN THE HOSPITALS AND MEDICAL COLLEGES OF THE GOVERNMENT OF WEST BENGAL.

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT- 48 /2014

Dated- 02.08.2014

The following amendment have been made in the tender document,

Amendment - XIV

UPDATED & REVISED TECHNICAL SPECIFICATION

SCHEDULE - VII

1. Semi Automated ELISA Reader

- (a) Photometer 8 - 12 measurement channel
- (b) Wave length range 400-750 nm
- (c) Filter: 405, 450,492 & 620 nm with optional additional filters.
- (d) Absorbance range 0 to 4.0 OD
- (e) Single wave length 6 seconds or better reading
- (f) Scan time dual wave length 8 seconds or better
- (g) Multi level volume measurement
- (h) On board shaking with time & speed
- (i) Halogen lamp / Xeon / LED

(j) Lamp shelf life: At least 1 million reading

(k) Standards & approvals : CE / US FDA / BIS or any other indian or internationally approved safety standard certification

(l) Manufacturing Standard : ISO 9001:2008 or any other Indian or internationally approved standard certification , EN ISO 13485:2012 (for electrical & biosafety hazard)

(m) Compatible UPS – 30 minutes backup

Programming:

(i) Provided with compatible external LASER jet printer

(ii) Should provide Levy Jennings chart recording & printout facility

(iii) Multi blank programming facility, various types of cut off program

(iv) 8 x 12 matrix print facility

2. Semi Automated ELISA Washer

a) Cross wise aspiration, over flow washing, bottom washing

b) Automatic manifold detection

c) 8 or 12 channel manifold

d) Plate carrier auto clavable and also can be sterilized

e) Equipment should be capable of using any bottle or container (should be supplied with additional 4 bottles)

f) Volume of wash liquid dispensed 50 to 350 µl with 50 µl increment

g) Suitable for UV & flat bottom micro plate etc.

h) Residual volume per well < 2 µl

i) Waste bottle with fluid sensor should be provided

j) Standards & approvals : CE / US FDA / BIS or any other indian or internationally approved safety standard certification

k) Manufacturing Standard : ISO 9001:2008 or any other indian or internationally approved standard certification , EN ISO 13485:2012 (for electrical & biosafety hazard)

3. Micro Pipettes

- a) Fully autoclavable with tip rejector
- b) Control button shall be operated by very low operating force
- c) Ejector shall be operated by very low operating force
- d) Should have two autoclavable trays

NOTE – i) Should provide calibration certificates from NABL accredited agency every year during warranty & CMC period.

ii) Calibration cost will have to be borne by the supplier.

- The following set of Micropipettes should be supplied with each ELISA Reader & Washer

SL.NO.	MICROLITRES (μ L)	Quantity
1	2 – 10 μ L	2
2	10–100 μ L	2
3	100 – 200 μ L	2
4	200 – 1000 μ L	1
5	Adjustable 8 or 12 Channel	1

- Capability and Reproducibility of the Micropipettes:

SL.NO.	MICROLITRES (μ L)	ACCURACY	REPRODUCIBILITY
1	2-10 μ L	\pm 1%	1% - 0.5%
2	10-150 μ L	\pm 1%	1.5% - 1%
3	100-1000 μ L	\pm 1%	0.5 – 0.4%

NOTE: The combination of micropipettes in terms of set has been given from 2 μ L. to 1000 μ L., which is indicative in nature. Any other combination to cover this volume may be considered.

- e) Standards & approvals : CE / US FDA / BIS or any other indian or internationally approved safety standard certification