



## Notice Inviting e-Tender

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SUPPLY AND COMMISSIONING OF FACILITY BASED NEWBORN CARE (FBNC)  
EQUIPMENTS IN THE HOSPITALS AND AND MEDICAL COLLEGES OF THE GOVT. OF  
WEST BENGAL

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL /NIT- 38 /2017

Dated – 20.07.2017

The following amendment have been made in the tender document,

### Amendment –II

#### Infusion Pump

1. Digital self-regulating volume controlled portable pump.
2. Unit should have drop sensor or equivalent mechanism for feedback and detection.
3. It can be mounted on standard bed/ wall rail or mobile pole/stand (supplied with fixation).
4. It should be capable of infusing through intravenous route.
5. It should have an open system, suitable for different brands of IV sets available in local Indian market. Also if any IV set is required to be calibrated then user should easily calibrate.
6. It should be programmable; Infusion volume and time/ flow rate can be entered.
7. The flow rate should be adjustable: 0.1-1100 ml/h, steps of 0.1 ml/h.
8. The accuracy  $\pm 3\%$  of the total volume delivered.
9. It should have facility for occlusion detection and alarm.
10. The system should have LED / LCD display and it should report systems errors, end of infusion and built-in battery status.
11. It should have an audio-visual alarm with a silencing feature for audio alarms.

12. Power requirements: 180 – 220 VAC, 50 Hz fitted with an Indian plug.
13. Should have internal rechargeable battery. The battery life should be of minimum 6 hrs when fully charged.
14. The device should be produced by ISO certified manufacturer (certificate to be submitted).
15. It should be US FDA & CE ("Conformite Europeene") from European Union notified body having 4 digit identification number approved product (certificate need to be submitted).
16. The unit shall be capable of being stored continuously in ambient temperature of -10 °C to 50 °C and relative humidity of 15 to 90%.
17. The unit shall be capable of operating continuously in ambient temperature of 10°C to 40 °C and relative humidity of 15 to 90%.
18. Supplied with:
  - i. User manual with trouble shooting guidance in English.
  - ii. Technical manual with maintenance and first line technical intervention instructions, in English.
19. Warranty for 2 years and 5 years CMC after warranty.
20. Price of the spares and accessories if any including the cost of the battery should be included in warranty and CMC and to be mentioned separately in form no. 9 (a) & 9 (b).

