



## Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited  
Swasthya Sathi  
GN-29, Salt Lake, Sector-V  
Kolkata-700091

Phone No (033) 40340308/319  
E mail: [procurement@wbmsc.gov.in](mailto:procurement@wbmsc.gov.in)

SUPPLY OF CRITICAL CARE UNIT (CCU) AND HIGH DEPENDENCY UNIT (HDU) EQUIPMENTS  
IN THE HOSPITALS AND MEDICAL COLLEGES OF THE GOVERNMENT OF WEST BENGAL.

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT- 99/2018

Dated-06.06.2018

The following amendment have been made in the tender document,

### Amendment –III (Revision of Technical Specification)

The revised technical specifications for the item is given below,

#### Rapid Infusion Pump

##### Delivery rate

- 0.1-1,200 mL/h (0.1- 99.9 mL/h: 0.1 mL/h step, 100 -1,200 mL/h: 1 mL/h step)
- The delivery rate can be set in 1 mL/h step throughout the range by the internal mode select switch.

##### • Delivery limit

- 1-9999ml

##### • Volume delivered

- 1- 9,999 mL (0.0 - 99.9 mL: 0.1 mL step, 100 - 9,999 mL: 1 mL step).
- The volume delivered reading is in 1 mL step from 1 to 9,999 mL by the

internal mode select switch.

- **Purging**

- a. Higher than 500 mL/h

- **Alarms**

- b. Air/Occlusion/Flow error/Door/Low Battery.
- c. Pump stops except during the 'Low Battery.' alarm.

- **Occlusion detection** facility should be there

- **Pressure**

- a. The detection pressure can be adjusted in 3 levels (Low / Medium / High) within the above range.

- **Completion function**

- b. When the total volume delivered reaches the preset delivery limit, the indicator and buzzer notify the operator.

- **Special functions**

- c. 'Keep vein open' function (After the delivery limit has been reached, delivery continues at 1 mL/h for a set flow rate of ~1mL/h: or at the delivery rate setting < 1 mL/h.)
- d. Tubing clamp function (When the door is opened, tubing is automatically clamped.)
- e. Volume delivered clear function
- f. Time remaining (or) time lapsed display
- g. Battery capacity indicator (3 levels)
- h. Adjustable display brightness (Can be switched to 2 levels)
- i. Adjustable buzzer volume (single level)
- j. Operation history function (Storage/display of operation history). The unit should store the last settings.
- k. Standby, function
- l. Repeat alarm function
- m. Start reminder function
- n. The following functions can be selected via internal switches:
- o. Volume memory function
- p. Delivery rate 1 mL/h step

- **Environmental Factors**

- a. The Unit shall be capable of being stored continuously in ambient temperature of 10 – 40 C & relative humidity of 15 - 90%
- b. Shall Meet IEC - 60601-1-2:2001 (or Equivalent SIS) general requirements of safety

for electromagnetic compatibility

- c. Shall be capable of operating continuously in ambient temperature of 10 - 40 C and relative humidity of 15 - 90%

- **Power Back-up**

Power input: 220-240V/50Hz Single phase or 380-400 V AC50 Hz three phases fitted with appropriated Indian plugs & sockets.

- **Standards, Safety & Training**

- a. Should be US FDA or European CE ("Conformité Européene") approved product.
  - b. Electrical safety conforms to standards for electrical safety IEC - 60601/IS – 13450
  - c. Manufacturer should have ISO certification for quality standards
  - d. Should have local service facility. The service provider should have the necessary equipment recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual
  - e. Warranty for 2 years and provision of CMC for next 5 years.
  - f. User manual in English
  - g. Service manual in English
  - h. List of important spare parts and accessories with their part number and costing
  - i. Certificate of calibration and inspection from factory
  - j. List of equipment available for providing calibration and routine maintenance support as per manufacturer documentation in service/technical manual
  - k. Compliance report to be submitted in a tabulated and point wise manner clearly mentioning the page / para number of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue/manual, will not be considered
- Must submit user list and performance report within last 5 years from major hospitals

## Amendment –IV

### 7. Who can Bid (E)

Medical Equipments for CCU and HDU
a) Manufacturing Company or its subsidiary in India only for schedule IV.