



## Notice Inviting e-Tender

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Procurement of different medical equipment for COVID 19 Hospitals and Medical Colleges of the State of West Bengal.

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL /NIT-116/2020

Dated –23.07.2020

The following amendment have been made in the tender document,

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

The revised technical specifications for the item is given below,

#### Infusion Pump

##### Delivery rate

- 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