



Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited
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Kolkata-700091

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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,

Syringe Pump

1. Microprocessor controlled pump capable of propulsion of fluids accurately.
2. Syringe compatibility: The pump should work with different brands of syringes and is able to accept syringes with volumes of **5 ml** – 50 ml.
3. There should be automatic detection of syringe size.
4. It should be equipped for detecting correct fixing of syringe.
5. Flow rate should be adjustable from 0.1 ml/hr to 1000 ml/hr.
6. Flow rate should be adjustable in increments of 0.1 ml/hr.
7. Flow rate adjustment should not involve stopping of the existing infusion rate.
8. The accuracy of flow rate should be $\pm 2\%$.
9. The flow rate should be displayed in ml/ hr. Delivery rate can be calculated automatically by pre-setting of volume & time. It should also accept values in mg/ hr, $\mu\text{g/ hr}$, mg/ kg/ hr etc.
10. It should be able to deliver bolus dose in automatic/ manual mode.

11. Pump should have commonly used drugs library of 40 or more.
12. It should work on 200 – 240 VAC, 50 Hz source and in-built rechargeable battery.
13. Internal battery life should be minimum of 6 hrs when fully charged.
14. Pump should have LED/ LCD display.
15. The following audio and visual alarms should be incorporated:
 - i. Main changeover to battery indication
 - ii. Alarm for occlusion volume of less than 0.5 ml
 - iii. Near empty syringe
 - iv. Low battery
 - v. Standby visual alarm
16. There should be a method of automatic bolus volume reduction after occlusion release.
17. There should be provision for setting of occlusion pressure alarm.
18. The pump should be waterproof / **water resistance** so that fluid should not enter inside the pump in case of accidental spillage.
19. The syringe pumps should be capable of standalone functioning as well as being fixed on a frame/platform/stand.
20. Power cord should be supplied with 3 meters in length.
21. Cost of all accessories and spares including the cost of rechargeable battery should be mentioned in form 9 (a) & 9 (b) separately.
22. **Standards, Safety and Training**
 - i). It should be US FDA or CE (“Conformite Europeene”) from European Union notified body having 4 digit identification number approved (Certificate to be submitted).
 - ii). It should **have onsite service facility**. The service provider should have necessary equipments recommended by the manufacturer to carryout preventive maintenance test as per guidelines provided in the service/ maintenance manual.
 - iii). Warranty for 2 years and 5 years CMC after warranty.