



## Rajasthan Medical Services Corporation Limited

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F-8(217) RMSC/EPM/M-2/NIB-536/2020-21/ 266

Dated: 15/12/2020

### Clarification/Corrigendum/Addendum

**Subject:- Revised Technical Specification for NIB No. F-8(217)RMSC/EPM/M-2/NIB-536/2020-21/128 Dated 19.10.2020 for item Infusion Pump and Syringe Infusion Pump.**

In reference to subject cited above of NIB-536, various representations received from the firms and issues raised by the bidders are being examined authorities and technical committee. The following corrigendum/addendum is issued for inclusion in bid document as below:-

#### **1. Revised/Amended Technical Specifications :-**

##### **Revised technical specifications of Infusion Pump**

1. Microprocessor controlled Infusion Pump.
2. Should accept all internationally produced/marked bottles / IV set and should be able to detect it automatically, should support the bolus supply of drug on press of single button, as per need and should be able to preset different range of bolus supply.
3. **Flow rate programming range from 1 to 1200 ml/hr in step of 1ml/hr and 200 to 1200ml/hr in step of 1ml/hr.**
4. Save last infusion rate even when power is switched off.
5. Bolus rate should be programmable to 500ml, with infused volume display.
6. Selectable occlusion pressure trigger levels selectable from 300, 500 and 900mmhg.
7. Accuracy of  $\pm 5\%$  or better for set parameters.
8. Pause infusion facility required.
9. Self-check carried out on startup.
10. It should be open system.
11. Comprehensive alarm package required including: occlusion alarm, near end of infusion pre-alarm and alarm, volume limit pre-alarm and alarm, low battery pre-alarm and alarm, AC power failure, drive disengagement.
12. Internal function alarm. Drive disengaged alarm & should have KVO (KEEP VEIN OPEN) Mode. Should have keypad locking facility, Door open & air bubble alarm.
13. Tamper-resistant case made of impact resistant material. Securely mountable on tabletop, IV stand and bed fitting.
14. **Internal rechargeable battery having a minimum of 4-hour backup..**
15. Capable of operating continuously in ambient temperature of 5 to 50 °C and relative humidity if 15 to 90% in ideal circumstances.
16. Capable of cleaning with alcohol or chlorine wipes.
17. **Should be European CE(Four digit notified body) / USFDA/BIS approved. (Related documents must be submitted in technical bid.)**
18. **Company should be ISO 13485 certified(Related certificates must be submitted in technical bid.)**

*15/12/2020*



19. Relevant IEC 60601- part 1&2, and IEC 60601-2-24:2012. (Certificates/test reports must be submitted in technical bid.)
20. Waterproof shouldn't be less than IPX4, related documents must be submitted in technical bid.
21. Warrantee: Three years on equipment from the date of installation
22. CMC:CMC shall be given @ 5% of net rate (excluding GST as applicable) and yearly escalation of 5 % on last year's CMC price. The CMC may be awarded for five years (on yearly basis) after Guarantee period of three years.
23. User manual with trouble shooting guidance should be provided by supplier.
24. Rates of Accessories and Consumable: Rates of consumable like Battery & power cord should be provided by bidder in BOQ in e-proc. Portal.
25. Installation will be done by supplier free of cost.
26. Firm should have service engineer network in Rajasthan.
27. Demonstration of equipment is must for technical approval.
28. The firm should submit technical compliance sheet along with catalogue as per technical specifications mentioning the make & model of quoted item in the Technical bid.


### Revised technical specifications of Syringe Infusion Pump

1. Microprocessor controlled Syringe Infusion Pump.
2. Should have Rate Mode, Time Mode, Dose Mode, Intermittent Mode and Drug Library for 100 or more drugs.
3. Should have facility for Automatic Syringe Size detection for 5 ml, 10 ml, 20 ml, 30 ml, 50ml.
4. Should also have facility to accept any unknown brand of syringe in the form of custom syringe.
5. Alarms: Infusion Completion, Occlusion pre alarm, Empty Occlusion, Near Completion, Low Battery & Adjustable Buzzer Volume.
6. Adjustable visual and audible alarms.
7. Should have bolus facility with bolus rate from 0.1 to 1500 ml/hr. Anti/Manual bolus and auto bolus facility.
8. Rechargeable battery operating time approx. 6 hours or more at the rate of 5 ml/hr.
9. Should have 90 degree rotation pole clamp convenient for horizontal bar or vertical IV pole.
10. Should have facility for front loading of syringe.
11. Flow rate adjustable from 0.1 ml/hr. – 1500 ml/hr. (depending on the syringe capacity).
12. Online changing of delivery rate possible
13. There should be digital or dial gauge on screen display of functioning pumping pressure on 3.0" or bigger colour screen.
14. The pump dosing should be stackable.
15. Internal function alarm. Drive disengaged alarm & should have KVO (Keep Vein Open) Mode. Should have keypad locking facility.
16. Should be European CE (Four digit notified body) / USFDA/BIS approved (Related documents must be submitted in technical bid.)
17. Waterproof shouldn't be less than IPX4, related documents must be submitted in technical bid.
18. Warrantee: Three years on equipment from the date of installation
19. CMC:CMC shall be given @ 5% of net rate (excluding GST as applicable) and yearly escalation of 5 % on last year's CMC price. The CMC may be awarded for five years (on yearly basis) after Guarantee period of three years.
20. User manual with trouble shooting guidance should be provided by supplier.



21. Rates of Accessories and Consumable: Rates of consumable like Battery & power cord should be provided by bidder in BOQ in e-proc. Portal.
22. Installation will be done by supplier free of cost.
23. Firm should have service engineer network in Rajasthan.
24. Demonstration of equipment is must for technical approval.
25. The firm should submit technical compliance sheet along with catalogue as per technical specifications mentioning the make & model of quoted item in the Technical bid.

All other terms & conditions remains the same.

  
**Executive Director (EPM)**  
**RMSCL, Jaipur**