Dear Sirs,

Sub: JIPMER- Supply of Patient controlled analgesia infusion pump-2 Units Limited Tender Invited-Reg.

Please quote your lowest rates for supply of the Patient controlled analgesia infusion pump-2 Units as per the list given overleaf / attached, subject to the following terms and conditions:

1. Rates should be quoted only for the items which are available in stock and can be supplied immediately on receipt of order.
2. Only GST is applicable.
3. No insurance charges are payable as per the rules in the Government. As such, the firms before quoting may take into consideration all the risks in the transit and then furnish Limited Tender which should cover insurance charges also. If any point is raised as regards insurance charges after orders are issued, the same will not be entertained and the firms thereafter should effect the supply at their own cost.
4. Rates should be quoted F.O.R. Puducherry, Extra packing, forwarding charges etc. should not be quoted.
5. Delivery is required urgently. Tenders should please state the guarantee delivery period they can offer. As delivery date is essence of the contract, this should be strictly adhered to by the successful tenders.
6. No supply which is not according to the specifications and not meeting our requirement will be accepted.
7. The Director shall have the right of rejecting the Limited Tender in whole or part without assigning any reason therefore.
8. In case of high precision instruments the firms should give a guarantee certificate for their satisfactory performance.
9. If the tender quotation value exceeds Rupees two lakhs, before sending their quotations the firms participating in the limited tender must have registered their firms with purchase section of JIPMER.
10. Limited tender quotations should be sent only by Certificate of Posting/Registered Post/Speed Post. Hand quotations are not accepted.

Please furnish your limited tender in a sealed cover superscribing as:
Limited tender for Patient controlled analgesia infusion pump-2 Units
Enq: No.OBGY/PCA PUMP/2017
Department of Obst. & Gynaec.
Due Date: 1 AUG 2017

Limited tender should reach this office on or before 4:00pm. Limited Tender received after the due date will be summarily rejected.

Yours faithfully

[Signature]
(For DIRECTOR)

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Name of the Equipment: Patient controlled analgesia infusion pump-2 Units.

I. Specifications:

1. Must accommodate any syringe of: a) 10 ml  b) 20 ml  c) 50 ml.
2. Automatic detection of syringe size & proper fixing. Must provide alarm for wrong loading of syringe such as flanges out of slot; disengaged plunger, unsecured barrel etc.
3. Flow must be adjustable between 0.1 ml to 650ml/hr.
4. Dosage adjustments should be possible in mg and ml/hr
5. It should have system to give Bolus volumes of 5ml or more than 5ml during infusion.
6. Bolus rate adjustable from 0 to 1000ml/hour.
7. Accuracy +/- 2%.
8. The dosing modes:PCA,CBI, PCA + CBI and loading.
9. It should be provide security against tampering with ability to record and retrieve drug pump/Microprocessor malfunction.
10. Graphic LCD or LED display to denote infusion & alarm status & keypad. The display should remain visible in any light condition
11. Set flow rate and volume infused should be digitally displayed.
12. Delivery rate should be preset on Delivery rate and on volume and time pre selection.
13. Volume infused should be displayed.
14. Must have a fast mode of infusion independent of set flow rate.
15. Clearly recognizable bolus button is differentiated from nurse call button
16. Should not allow change of flow rate or fast delivery without stopping the pump.
17. Should have audio and visual alarms for :

   1. Occlusion
   2. Syringe almost empty
   3. Syringe Empty
   4. Very Low Battery
   5. Syringe paused too long
   6. End of Infusion
   7. Illegal Syringe
   8. Cover Unlocked
   9. Patient Handset Disconnected
  10. Limit Dose Reached
  11. Accumulated Dose
  12. Log Memory Full
  13. No Mains
  14. Low Battery

18. Internal Error Occlusion sensitivity should be adjustable by the operator.
19. Occlusion pressure adjustable from 100 to 1500mmHg. Max actuator force 50N (5Kgf)
20. Operating conditions 10 C to 45 C, 30-90% RH
21. Storage Condition -20 C to 50 C
22. Should work on a/c. mains (220V, 50/60 Hz) and on Battery
23. Should have a built-in rechargeable battery.
24. Battery charging should be automatic when connected to an AC power source.
25. Should provide clamp for fixing on IV pole.
26. Should be stackable so that one pump can lock into another.
27. It should be upgradeable.
28. It should provide printer capability.
29. To be supplied with standard 50ml syringe/tubings: 200 Nos each pump.

Accessories:

1. Headboard/footboard mounting clamp - 1 Set.
2. Universal mounting clamp for mounting on IV stand pole available in hospital - 1 no.
4. Nurse call cable - 3 nos.
5. AC power lead 2m (6 feet) long with plug that fits Indian sockets. - 1 no.

II. Operational Requirements:
1. The PCA Syringe Infusion pump should be programmable, user friendly, safe to use and should have battery backup and comprehensive alarm system.
2. Demonstration of the equipment is a must.

III. System Configuration Accessories, spares and consumables:
1. Rechargeable Battery having at least 5 to 6 hour backup for about 5ml/hr flow rate with 50ml syringes. Larger battery life and indication of residual life will be preferred.
2. Mounting device/ Docking Station for two or four pumps as per requirement so as to enable to power up to 2-4 pumps with one power cord when mounted on IV pole. – 01

IV. Standards, Safety and Training:
1. Should be FDA or CE or BIS approved product.
2. Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements. (or equivalent BIS Standard)
3. Manufacturer/Supplier should have ISO certification for quality standards.
4. Certified for meeting IEC60601-2-24: Particular requirements for the safety of infusion pumps and controllers.
5. Should meet IEC 529 Level 3 and 4 (IP3X)(spraying and splashing water) for enclosure protection, water ingress.
6. Electrical Safety Classification Class I/II, Type CF and Internally powered equipment.

V. Power Supply
1. Power input to be 220-240VAC, 50Hz fitted with Indian plug.
VI. Environmental factors:
2. The unit shall be capable of operating continuously in ambient temperature of 10-45°C and relative humidity of 15-90%
3. The unit shall be capable of being stored continuously in ambient temperature of 0-50°C and relative humidity of 15-100%

VII. Documentation
1. User Manual and Service manual in English must be provided.

VIII. Installation, Commissioning and Testing,
1. The equipment and all accessories should be transported, installed, tested and commissioned at the Department of Obst. & Gynae., Jawaharlal Institute of Postgraduate Medical Education and Research, Pondicherry 605006 free of cost.

IX. Warranty and After Sales Service:
1. The Equipment including all accessories including bought out items should be under WARRANTY for a period of THREE YEARS after successful commissioning.
2. Comprehensive maintenance contract rates for 7 YEARS after warranty must be quoted and these would be taken into consideration while comparing price bids.
3. All spare parts and consumables should be available with supplier or principals for a period of at least 10 years.
4. Should have local service facility. The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual.

X. Other tender conditions
1. Suppliers should have been in the market for at least 3 years and should have a satisfied userbase for this equipment.
2. All Essential Spare parts / Consumables rates to be given separately which may be freezed for next 10 Years.
3. Suppliers should have made a large number of installations, within the last five years, in the country in reputed institutions and preferably in Government Hospitals with a proven track record of excellent after sales support for this system.
4. List of users must be enclosed.

Note: Quantity Subject to Change.

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