JAWAHARLAL INSTITUTE OF POST-GRADUATE MEDICAL EDUCATION & RESEARCH

(Institution of National Importance Under Ministry of Health & Family Welfare, Government of India)

Dhanvantari Nagar, Puducherry-605 006.

No.PUR/JIP/URO/ERRC/2014-15/SI PUMP Date: - 6 AUG 2014

TO

Dear Sirs,

Sub: JIPMER- Supply of **Syringe Infusion Pump** LimitedTender Invited-Reg.

Please quote your lowest rates for supply of the **Syringe Infusion Pump** 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 5% CST or VAT 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 you limited tender in a sealed cover superscribing as:

Limited tender for **Syringe Infusion Pump**
Enq: No.PUR/JIP/URO/ERRC/2014-15/SI PUMP
Department of Urology
Due Date: 2 0 AUG 2014

Limited tender should reach this office on or before 2 0 AUG 2014 by 4:00pm. Limited Tender received after the due date will be summarily rejected.

Yours faithfully

(For DIRECTOR)

यूरोलॉजी विभाग
Dept. of Urology
जिपमेर, पुदुच्चेरी
JIPMER, Puducherry

Annexure1

Name of the Equipment: Syringe Infusion Pump-4 Unit.

Specifications:

The Syringe Infusion Pump provides uniform flow of fluid by precisely driving the plunger of a syringe down its barrel. It provides accurate and continuous flow rate for precise delivery of I.V. medication in critical medical care.

I. Operational Requirements:

1. The syringe 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.

II. Technical Specifications:

1. Flow rate programmable from 0.1 to 300 ml/hr or more in steps of 0.1 ml/hr with user selectable flow set rate option. SAVE last infusion rate even when the AC power is switched OFF.
2. Bolus rate should be programmable to 300 – 1200 ml/hr or more with infused volume display. Reminder audio after every 0.5 ml delivered bolus. SAVE last Bolus rate even when the AC power is switched OFF.
3. Display of Drug Name with a provision of memorizing 10~15 names by the operator
4. Keep Vein Open (KVO) must be available 1.0 ml/hr or set rate if lower than 1.0 ml. User should have choice to disable KVO whenever desired.
5. Selectable Occlusion pressure trigger levels selectable from 300/500/900 mmHg
6. Must Work on commonly available ISI/CE/FDA APPROAVED/CERTIFIED 20, 50/60 ml Syringes with accuracy of minimum of +/-2% or better.
7. 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.
8. Anti bolus system to reduce pressure on sudden release of occlusion
9. Should have comprehensive alarm package (certified for meeting IEC 60601-1-8: Medical Electrical equipment – Part -1-8: General requirements for safety –collateral standard: Alarm systems) including: Occlusion limit exceed alarm, Near end of infusion pre-alarm & alarm, Volume limit pre-alarm & alarm, KVO rate flow, Low battery prealarm and alarm, AC power failure, Drive disengaged, air-in-line and preventive maintenance.
10. Rechargeable Battery having at least 5~6 hour backup for about 5ml/hr flow rate with 50ml syringes. Larger battery life and indication of residual life will be preferred.

III. System Configuration Accessories, spares and consumables:

1. Syringe Infusion Pump –01
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 and IEC-60601-2-25 Safety of Electrocardiograms. (or equivalent BIS Standard)
3. Manufacturer/Supplier should have ISO certification for quality standards.
4. Certified for meting 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:

1. Shall meet IEC-60601-1-2: 2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.
2. The unit shall be capable of operating continuously in ambient temperature of 10 -40deg 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 15-90%

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 Urology, Jawaharlal Institute of Postgraduate Medical Education and Research, Pondicherry 605006 free of cost.

IXWarranty 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 user base for this equipment.
2. 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.
3. List of users must be enclosed.

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