

**CARDIO-THORACIC & NEURO SCIENCES CENTRE**  
**ALL INDIA INSTITUTE OF MEDICAL SCIENCES**  
**ANSARI NAGAR, NEW DELHI-110029**  
**STORE SECTION**

Ref No: 13/CNC/NA/26-27/ST

Dated: 03.07.2026

**Subject:** Inviting quotation for the Procurement of **Targeted Control Infusion (TCI) Pumps-02 Nos.** for the department of Neuroanaesthesiology and Critical Care-regarding.

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On behalf of Chief NSC (AIIMS), Ansari Nagar, New Delhi-110029, the sealed quotations are invited in two bid system (Technical Bid and Financial Bid) from Manufacturers or their authorised distributors for the purchase of item given as under.

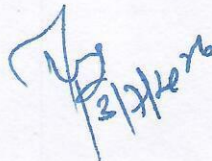
| S. No | Item Description                      | Qty.    |
|-------|---------------------------------------|---------|
| 1.    | Targeted Control Infusion (TCI) Pumps | 02 Nos. |

**Terms & Conditions:**

1. The quotations should reach to the office of **Stores Officer, CNC Room No. 1, 1<sup>st</sup> Floor New Private Ward, AIIMS, New Delhi-29.** on or before **11.07.2026 up to 11: 00 A.M.** duly sealed and marked. The quotations should be typed/handwritten (Quotations written with pencil will not be entertained and will be summarily rejected).
2. Quotation should be submitted in Two bid system, containing as detailed below:

**TECHNO-COMMERCIAL AND FINANCIAL BID IN TWO SEALED COVER.**  
**THE SEALED ENVELOPES MAY INDICATING THEREON AS UNDER:**


- i) Reference No. on the Quotation: \_\_\_\_\_
  - ii) Quotation regarding: \_\_\_\_\_
  - iii) Due date for submission of the Quotation: \_\_\_\_\_
  - iv) Firm's Name and address on the Quotation \_\_\_\_\_
3. Rate quoted must include GST and other possible expenses, in absence of the same the rates will be considered as inclusive of GST.
  4. The Quotation rates should be kept open/valid for a period of One year from the date of opening of the quotation only for Neuroanaesthesiology & Critical Care, NSC, AIIMS.
  5. Handwritten quotations shall be accepted at the bidder's risk, in case of overwriting, should be initialed by the bidder. The rates written in figure





and words must be the same; in case of any discrepancy the rates quoted in words will only be considered.

6. The Chief, NSC, AIIMS New Delhi shall be the final authority to reject the quotation in full or any part of the supply which is not confirming to the specification, other terms and conditions.
7. Enclose your GST registration, Non Black listing & fall clause Certification.
8. Quotation by Tele-fax/telegram/fax/e-mail will not be accepted.
9. Only according to make should be quoted against the item. Those items that have been quoted as per different make (In contravention to the specification) will not be considered at all.
10. If the Seller fails to deliver the Goods within the delivery period specified in the contract, the Buyer will be entitled to deduct/recover the Liquidated Damages for the delay, unless covered under Force Majeure conditions aforesaid, @ 0.5% of the contract value of delayed quantity per week or part of the week of delayed period as pre-estimated damages not exceeding 10% of the contract value of delayed quantity without any controversy/dispute of any sort whatsoever.

  
3/7/2016

  
31/1/2016

**Stores Officer, CNC**

Encl: Technical Specification

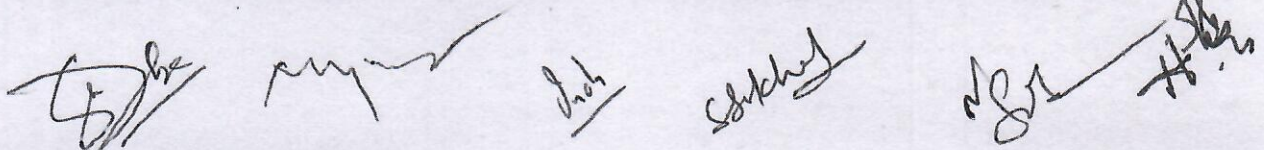
**Department of Neuroanaesthesiology and Critical Care**  
**Neurosciences Centre, All India Institute of Medical Sciences**  
**New Delhi – 110029**

**Equipment: Targeted Control Infusion (TCI) Pump**  
**Quantity 02 Nos.**


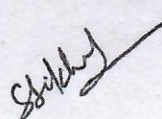
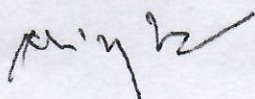
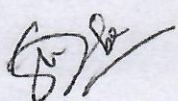
**Approx. Cost**

**Technical Specification:**

1. TCI pump should be syringe-based and should work on commonly available syringe sizes (5, 10, 20, 50/60 mL) of various brands with automatic syringe size recognition.
2. The TCI pump should be programmable & customizable, and should be upgradable for all future TCI models.
3. Should be front-loading, portable and lightweight (less than 2.5 kg) and user-friendly.
4. Should have a large display size of 150 mm x 30 mm or more, and should be clearly visible from a distance of 10 feet.
5. Should display both plasma and effect site concentration.
6. Should have Pump accuracy of  $\pm 2\%$ .
7. Pump should allow to toggle from TCI to TIVA or vice versa, and should have a visual display of infusion during TCI/TIVA.
8. It must display the rate, drug dose, delivery time of target concentration according to syringe size.
9. Flow rate programmable from 0.1 to 1200 ml/h or more in steps of 0.1 ml/h with a user-selectable flow set rate option. The last infusion rate should be saved even when the AC power is switched off.
10. Should have following TCI Drug Models:
  - a) Adult TCI Model for Propofol (Schinder, Marsh, Eleveld)
  - b) Pediatric TCI model for Propofol (Peadfusor & Kataria), covering patients from 1-15 years
  - c) Remifentanyl (Eleveld, Kim-Obara-Egan, Minto)
  - d) Fentanyl (Bergmann)
  - e) Dexmedetomidine (Dyck & MORSE, Hannivoort-Colin)
11. Should have a drug directory of more than 1000 drugs and should be customizable.
12. Should have anti-bolus system to reduce pressure on sudden release of occlusion.



13. Safety Alarms -Should have audio visual alarms that include Occlusion limit alarm, Near end of infusion pre-alarm & alarm, Volume limit pre-alarm & alarm, Low battery pre-alarm and alarm, AC power failure and Drive disengaged alarm etc.
14. Should automatically detect proper syringe fixing. Should give alarm for wrong loading of syringe such as disengaged plunger, unsecured barrel etc.
15. Should work on Power input of AC 220-240V, 50Hz.
16. Should have rechargeable Li-ion Smart battery. When fully charged, the Battery backup should be at least 5 hours at 5ml/h flow rate with a 50ml syringes.
17. Should display remaining battery life and battery charge level.
18. Should have integrated pole mounting mechanism.
19. Should be Wifi-Enabled to transfer data wirelessly externally
20. The device should have RS232 Communication port with HL7 compatibility.
21. The device should have stacking accessory to fit 3 or more pumps and the docking stand should have a facility to power-up all the devices with a single power cable. (Not a part of supply; however, price of docking stand to be quoted separately for future purchases).
22. Should have a communication solution & software that is ready to integrate with HIS. Necessary protocol required for connecting it with HIS system with globally available software provider should be given and necessary documents should be provided.
23. Should have Protection fluid ingress: IP32 according to EN 60529.
24. The device should be US FDA-certified or European CE-certified with a four-digit notified body number, or equivalent Indian standards.
25. The company must have an established and registered service centre within the Delhi NCR region, along with a valid office address and contact number. The company shall also provide government-issued documentary proof confirming that the office premises are owned or officially operated by the company and are not outsourced or managed by any third party.
26. Demonstration of the offered model is a must to confirm all the technical specifications/functionalities of the equipment. The vendor must leave the equipment for use for few weeks so that actual efficiency and safety can be ensured.
27. The vendor should provide satisfactory performance reports from previous installation of equipment.
28. Compliance statement: The vendor must provide a chart (in tabular form) comparing the compliance of the technical specifications of the quoted product with the required technical specifications. The vendor must give the relevant page number and paragraph number in their literature/brochure regarding that technical information in the technical bid. Merely stating complies or meets requirements will lead to the assumption that the quoted product doesn't have the required feature.



29. **Guarantee & Warrantee-** The company should provide 2-year Comprehensive Warrantee followed by 3 years CAMC with all spares. If any part of the equipment is not covered under warranty, the vendor must provide advance information. If the price of any consumable and/or accessory is not quoted, then it will be considered free of cost.

**30. Accessories & Consumable**

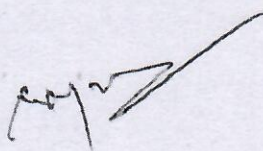
Cost of all accessories/spares consumable items should be quoted separately and it should be fixed for 05 yrs. from the date installation of the equipment.

**31. Penalty Clause**

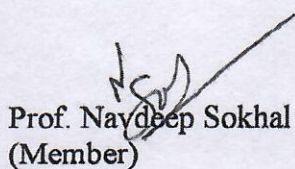
In situation of malfunctioning of the equipment or its being nonfunctional, the equipment should be repaired/made properly functioning to the satisfaction of the end user within 48 h of making a complaint to the company. If it is not possible then a properly functioning equipment of the same or higher model should be made available for the period for which the equipment is non-functional, otherwise double the number of days for which the equipment is not available will be added to the CAMC.

*The above specifications are broad based, generic and do not favor any particular Company.*

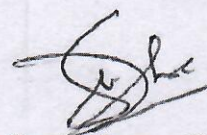
**There are no consumables required for the use of this equipment.**



Prof. Niraj Kumar  
(Chairperson)



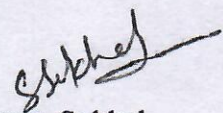
Prof. Navdeep Sokhal  
(Member)



Prof. Surya Kumar Dube  
(Member)



Dr. Hirok Roy  
(Member)



Dr. Suman Sokhal  
(Member-Secretary)