



श्री चित्रा तिरुनाल आयुर्विज्ञान एवं प्राध्यागका संस्थान, जवाचकत्सकाय प्राध्यागका स्कध  
पूजप्पुरा, त्रिवेंद्रम- 695012, केरल, भारत  
(एक राष्ट्रीय महत्व का संस्थान, विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार)  
**SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES AND TECHNOLOGY**  
**BIO MEDICAL TECHNOLOGY WING**  
POOJAPPURA, TRIVANDRUM – 695 012, KERALA, INDIA  
(An Institution of National Importance, Dept of Science and Technology, Govt. of India)  
टेलीफोन नं./Telephone No: 0471- 2340801/ 2520450, फैक्स/Fax: -0471-2341814  
वेबसाइट/Website: [www.sctimst.ac.in](http://www.sctimst.ac.in)

BMT-Purchase & Stores/TRC/SCTIMST/2023-24

Dated: 06/02/2024

## TENDER NOTICE

Sealed quotations are invited from interested firm for the Development of a Handheld Integrated Suction Irrigation System for Neurosurgery.

**Details of Work:** Fabrication of a compact, handheld integrated suction irrigation system specifically designed for neurosurgical procedures. This device aims to enhance surgical efficiency, safety, and reduce surgical field obstruction.

**Objective:** To streamline surgical workflow in neurosurgery by combining suction and irrigation functions into a single device, thereby reducing procedural times, and mitigating risks associated with traditional separate systems.

### Scope of Work:

- **Consultancy for Machinable Drawings:** Consultancy services to convert the design into machinable drawings, suitable for fabrication.
- **Design to Prototype Development:** Transforming the conceptual design into a proof-of-concept functional prototype.
- **Fabrication of Proof-of-Concept:** Constructing a working model of the device to demonstrate its feasibility and functionality.
  - The device to be made of autoclavable metal/polymer.
  - Should have both suction and irrigation integrated in a single device.
  - Compatibility with the suction and irrigation line available at the hospital.
- **Pre-Clinical Testing:** Testing the prototype under simulated conditions to ensure safety, efficacy, and compliance with neurosurgical requirements.

### Specifications:

- **Required features:**
  - **Cannula internal Diameter:** < 0.5 cm at proximal end and <0.3 cm at distal end
  - **Material:** Medical Grade Stainless Steel(SS316L)
  - **Reusability:** Autoclavable, Reusable

- Length of the suction irrigation system till detachable end: 6cm to 8cm
- Length of variable beak cannula, detachable-9-15 cm
- Overall Dimensions of Holding Segment: <2.5cm x 1.25cm x 1 cm
- Thumb control for suction
- Button press for irrigation

Interested firms may submit the quotation in sealed cover, addressed to the Sr. Purchase and Stores Officer, Biomedical Technology Wing, SreeChitraTirunal Institute for Medical Sciences and Technology (SCTIMST), Poojappura, Thiruvananthapuram-695012 on or before ~~21/02/2024~~, 4.00 PM.

In case of any further clarifications with regard to submission of tenders please be free to contact Purchase and Stores Division, BMT Wing well in advance before closing date of tender. (Ph: 0471- 2520228/2520438/328).

For technical enquiries please contact Ph: 9495983679, email:arunanirudhan@sctimst.ac.in

Last date of receipt of tender either through post/by hand or email- [bmtstp@sctimst.ac.in](mailto:bmtstp@sctimst.ac.in), [bmtoss@sctimst.ac.in](mailto:bmtoss@sctimst.ac.in), [bmtpurind3@sctimst.ac.in](mailto:bmtpurind3@sctimst.ac.in) ~~21/02/2024~~, 4.00 PM.

Sd/-

DIRECTOR