



श्री चित्रा तिरुनाल आयुर्विज्ञान एवं प्रौद्योगिकी संस्थान, जैवचिकित्सकीय प्रौद्योगिकी स्कंध
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)
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BMT-Purchase & Stores/Tender Notice/SCTIMST/2025-26

Dated: 29.10.2025

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.
 - 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 < 0.5 cm at distal end
- **Material:** Medical Grade Stainless Steel (SS316L) or
- **Reusability:** Autoclavable, Reusable
- **Length of the suction irrigation system till detachable end:** 6 cm to 8 cm
- **Length of detachable beak cannula** (9-15 cm range)
- **Size-** Compact and handheld dimensions.
- Button controls for suction
- Button controls for continues / spurts irrigation

Interested firms may submit the quotation in sealed cover, addressed to the **Sr. Purchase and Stores Officer, Biomedical Technology Wing, Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST), Poojappura, Thiruvananthapuram-695012 on or before 13.11.2025** Late tenders will not be accepted.

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.:0471-2520228/2520338/328). For technical enquiries please contact Dr.Arun Anirudhan, Ph: 9495983679.email id: arunanirudhan@sctimst.ac.in

Last date of receipt of tender either through post/by hand or email- bmtstp@sctimst.ac.in, bmtoss@sctimst.ac.in, bmtsto@sctimst.ac.in is **13.11.2025 4pm**

Sd/-
Head, BMT Wing