



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/2024-25

Dated: 23.12.2024

### TENDER NOTICE

Sealed quotations are invited from experienced service providers for the comprehensive maintenance and repair of 8m<sup>3</sup> biogas plant installed at the BMT wing. The work involves the following:


#### Scope of Work:

1. Lifting of top dome (gas collection space) using external hoists (JCB, etc.) for thorough inspection and maintenance.
2. Removal and disposal of undigested tank contents according to standard environmental and safety procedures.
3. Cleaning of digestive tank and top gas collection tank with clean water to restore optimal efficiency.
4. Detailed inspection and repair/replacement of: Damaged Portable (assessment and rectification of cracks, corrosion, or other damage), Guide pin (alignment and adjustment), Supports (welding and repositioning if needed to ensure structural integrity), Pipelines, valves, and cocks (condition-based replacement to prevent leaks and ensure smooth operation)
5. Overhaul of burner and delivery pipes, including: Cleaning and descaling, Replacement of worn-out components, Performance optimization
6. Leak detection and sealing to prevent biogas losses.
7. Ensure the formation of quality biogas in burner side.
8. The work should be performed on Second Saturday/4<sup>th</sup> Saturday and ensure no odour in the surroundings. Precautions may be done accordingly completion time is 2 days.

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 ....15.01.2025, 4.p.m. 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 Mr. Binu C P., Assistant Engineer (MRAC), Ph: 8547625709, 9020309988

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), [bmtsto@sctimst.ac.in](mailto:bmtsto@sctimst.ac.in) is  
15.01.2025, 4.p.m.

  
23/12/24  
Head, BMT Wing

**ANNEXURE 1: ESTIMATED COST FOR DIGESTER TANK REPAIRS OF 8M3**

**FLOATING TYPE BIO GAS**

**LOCATION: BMT WING CAMPUS, SCTIMST POOJAPURA**

SL.NO	DESCRIPTION	RATE	AMOUNT
1.	Lifting of top gas holder using JCB/wrencher and pulley, etc.		
2.	Removal and disposal of undigested waste sludge and slurry from the main digester tank, as per government rules and regulations		
3. a	Excavation of pit in the campus for disposing the sludge and slurry, and covering with sand, etc.		
3.b	removal of sludge/slurry and transport outside the campus		
4.	Cleaning of gas holder and main digester tank with water		
5.	Application of leak-proofing by fiber coating/black epoxy paint on the inner surface		
6.	Welding of guide pin, its supports, and repositioning		
7.	Replacement of delivery pipeline valves and cocks, if necessary		
8.	Soot removal and overhauling of the burner		
9.	High-level feeding of fresh and clean cow dung (approximately 50 kuttas)		
10.	Trial run commissioning and handing over of the system		
<b>TOTAL AMOUNT =</b>			

1. The contractor shall provide separate rates for each item of work.
2. The bill shall be made based on actual quantities of work executed.
3. GST @ 18% shall be charged extra on the total bill amount.
4. The bill amount shall be calculated based on actual expenditures.
5. The surrounding area should be thoroughly cleaned and maintained to be completely free from odors."