



श्री चित्रा तिरुनाल आयुर्विज्ञान एवं प्रौद्योगिकी संस्थान, जैवचिकित्साकीय 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: 11.02.2025

TENDER NOTICE

Sealed quotations are invited from experienced service providers for the repair work of Cooling Tower Pipelines and Valves and reinforcement of Detached Foundation Block for HVAC Cooling Towers in MSV Block at the BMT wing. The work involves the following:

SCOPE OF WORK

Project 1: Replacement of Cooling Tower Pipelines and Valves

Location: Terrace floor of MSV Block

The scope of work includes:

1. Replacement of damaged cooling tower inlet, outlet, and equalizer line using MS B-class pipelines wherever necessary.
2. Replacement of damaged butterfly valves.
3. Refurbishment of overflow pipe with suitable valve.

Project 2: Reinforcement of Detached Foundation Block for HVAC Cooling Towers in MSV BLOCK

Location: Terrace floor of MSV Block

The scope of work includes:

1. Providing reinforcement to 12 no's of cooling tower foundation blocks using 2" x 6mm L-angle brackets using expansion bolts
2. Installing L-angle brackets using chemical anchoring on the terrace.
3. Covering the brackets with quick-setting concrete mix (M5).
4. Using shuttering materials, curing, and completing the work.
5. The work includes materials and labour

a) <u>SCHEDULE OF WORK</u>	<u>Removal and Refixing of 5" M/S Flange</u>	<u>qty</u>
	1. Dismantling the damaged 5" M/S flange. 2. Removing and replacing required bolts, nuts, and washers. 3. Refixing the flange on (same location) using same quality materials. 4. Completing the work to ensure proper functioning.	8 no's

b)	<p><u>Removal and Refixing of Inlet Fabricated Reducer</u></p> <ol style="list-style-type: none"> 1. Dismantling the existing inlet fabricated reducer (B-Class). 2. Refixing the same reducer using same materials. 3. Completing the work (two reducers). 4. Includes all necessary materials and labour. 	2 no's
c)	<p><u>Removal and Replacement of 6" Flange</u></p> <ol style="list-style-type: none"> 1. Dismantling the damaged 6" flange. 2. Replacing the same with a new flange of identical specifications. 	2 no's
d)	<p><u>Replacement of Damaged Butterfly Valves</u></p> <ol style="list-style-type: none"> 1. Replacing of damaged 5" butterfly valves. 2. Supplying all necessary materials. 3. Providing labour for the replacement work. 4. Refixing the new valves to ensure proper functioning. 	2 no's
e)	<p><u>Replacement of Damaged Pipe Nipple</u></p> <ol style="list-style-type: none"> 1. Replacing the damaged 2" pipe nipple. 2. Supplying all necessary materials. 3. Providing labour for the replacement work. 4. Installing the new pipe nipple to ensure proper functioning. 	<u>2 nos</u>
f)	<p><u>Replacement of Damaged 2" Ball Valve</u></p> <ol style="list-style-type: none"> 1. Dismantling the damaged 2" ball valve. 2. Supplying a new 2" ball valve. 3. Providing labour for the replacement work. 4. Installing the new valve to ensure proper functioning. 	<u>2 nos</u>
g)	<p><u>Replacement of 5" Pipe Bracket</u></p> <ol style="list-style-type: none"> 1. Removing the existing 5" pipe bracket. 2. Replacing it with a new pipe bracket of the same specifications. 3. Installing vertical supports to ensure proper functioning and stability. 	<u>2nos</u>

h)	<p><u>Replacement of 5" Pipeline</u></p> <ol style="list-style-type: none"> 1. Removing approximately 5 meters of the existing 5" pipeline. 2. Replacing it with a new 5" pipeline. 3. Welding the new pipeline to ensure a secure connection. 4. Securing the pipeline using U-clamps. 	<u>5mtr</u>
i)	<p><u>Reinforcement of Existing Cooling Tower Foundations</u></p> <ol style="list-style-type: none"> 1. Reinforcing 12 existing cooling tower foundations using 2" x 6mm L-brackets. 2. Installing L-brackets to the terrace floor using chemical anchoring. 3. Shuttering the existing reinforcement foundation. 4. Applying concrete mix (1:2:4 ratio) all around the existing foundation. (Quick setting cement) 5. 5. Ramming and curing the concrete to ensure proper setting. 	<u>16 nos</u>

TERMS & CONDITIONS

WORK INCLUDES MATERILAS AND LABOUR

The work should be performed on Second Saturday/4th 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 **25.02.2025, 4pm** 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, bmtoss@sctimst.ac.in, bmtsto@sctimst.ac.in is 25.02.2025, 4pm.

Sd/-
Head, BMT Wing