



SPEED POST

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Grams :

**SARDAR VALLABHBHAI NATIONAL
INSTITUTE OF TECHNOLOGY, SURAT-395 007.**

No. DoME/RAC Lab/

1164 / 2025-26

Date: 15/07/2025

To,
Institute Website

SPEED POST

16 JUL 2025

SUB: - Enquiry regarding Vapor Absorption Refrigeration Test Rig

Dear Sir,

You are requested to quote your prices for supply of stores listed overleaf. The quotations may be sent to the undersigned in a sealed envelope and subscribed as: "Quotation with reference to Enquiry No. DoME/RAC Lab/1164 / 2025-26 dtd: / /2025. Your quotation should reach the undersigned on or before **08/08/2025 at 5:00 pm.**

The quotations should be furnished with the following information.

- 1) The brand or make of each item should be specifically stated and wherever necessary, Complete set of specifications and dimensions should be given.
- 2) If asked, samples are accompany the quotations
- 3) Sales tax, General tax, Central Sales tax, Custom duty, Insurance charges, Packing and Forwarding charges, if not included in the prices quoted, should be clearly specified.
- 4) The period of validity of the quotation should be at least 45 Days. Offers subject to prior sale may please be avoided.
- 5) The delivery period is to be clearly mentioned in the quotation.
- 6) The mode of delivery of the stores may be mentioned. The delivery should be F.O.R. Surat or at the Institute.
- 7) All concessions available to an educational institution should be specified and also taken into account while quoting.
- 8) This Institute is located within the limits of S.M.C. & exempted from the paying of octroi duty on incoming goods from outside limits of S.M.C.
- 9) This Institute is registered with the dept. of scientific & industrial Research (DSIR) for the purpose of availing custom duty exemption & central excise duty exemption, and hence the certificate to this effect will be issued wherever it is necessary on demand.
- 10) Payment is normally made by cheque drawn on the S.V.N.I.T. Branch Office of State Bank of India, Surat-395007 within a period of thirty days from the date of receipt of stores.
- 11) Your specifications & terms- conditions should be as per the format attached, must be on your company letterhead & signed by an authorized person.
- 12) Offered quotation may be rejected if any ambiguity is found in offered specifications, terms & conditions supplied by party in specified tabular format.
- 13) The Director reserves the right to accept stores, which are not strictly in confirming with the specifications but otherwise, found suitable.

Yours faithfully,

Head, Mech. Engg. Dept

15/07/2025

Arpan
Rina

Specification

Sr. No	Item Name														
1.	<p>Vapour Absorption Refrigeration Test Rig</p> <p>To determine actual and theoretical COP, cooling capacity and power</p> <p>Technical Specifications:</p> <table border="1" data-bbox="384 622 1310 795"> <tr> <td>Domestic Refrigerator</td><td>Capacity: 40 Liters, Make: Dometic Electrolux</td></tr> <tr> <td>Digital temperature indicator</td><td>8 Channel, Accuracy: $\pm 0.10^\circ\text{C}$, with sensors.</td></tr> <tr> <td>Electric Bulb</td><td>20 watts for loading purpose.</td></tr> <tr> <td>Dimmer</td><td>Range 200 W, Make – Rider or Equivalent</td></tr> <tr> <td>Digital Wattmeter</td><td>2 nos. for power measurement of Generator and Heater.</td></tr> <tr> <td>Power Supply</td><td>Single phase 230 V AC, 5 Amp supply.</td></tr> <tr> <td>Warranty</td><td>Three Years</td></tr> </table> <p>1. Test rig should be provided with labelling to the various parts and castor wheel for easy transportation.</p> <p>2. Test rig should be provided with instruction manual, experiment procedure, precautions, instruments/equipment make and range, standard sets of readings and calculations of actual and theoretical COP, Power consumption, and cooling capacity.</p>	Domestic Refrigerator	Capacity: 40 Liters, Make: Dometic Electrolux	Digital temperature indicator	8 Channel, Accuracy: $\pm 0.10^\circ\text{C}$, with sensors.	Electric Bulb	20 watts for loading purpose.	Dimmer	Range 200 W, Make – Rider or Equivalent	Digital Wattmeter	2 nos. for power measurement of Generator and Heater.	Power Supply	Single phase 230 V AC, 5 Amp supply.	Warranty	Three Years
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