

Date: 14/04/2021

## A D PATEL INSTITUTE OF TECHNOLOGY (ADIT)

New Vallabh Vidhyanagar,  
Post Box:-52, Vitthal Udyognagar-388121  
Dist:-Anand(Gujarat) India  
Phone: 02692-233680

[www.adit.ac.in](http://www.adit.ac.in)

Tender Notice: ADIT/Food Processing Technology/MODROB/2020-21

Sealed tender are invited by Principal, A D Patel Institute of Technology, New Vallabh Vidyanagar, Gujarat for supply of the following item.

Department of Food Processing Technology- Food Packaging Laboratory

Under the AICTE MODROB Scheme

(Ref.No. 9-49/IDC/MODROB/Policy-1/2019-20)

Item No.	Name of the equipment/Items	Specifications	Quantity
1	Vacuum Packaging Machine	Appendix –I	One
2	Shrink Packaging Machine with L-Sealer	Appendix-II	One
3	Modified Atmosphere Packaging Machine	Appendix-III	One

Place of Delivery:

To,  
The Principal  
A.D.Patel Institute of Technology  
New Vallabh Vidhyanagar, Post Box:-52  
Vitthal Udyognagar-388121  
Dist:-Anand(Gujarat) India

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**Appendix-I (Item No. 1)**  
**Technical Specifications for Vacuum Packaging Machine**  
**Quantity:01**

	<b>Specifications</b>
Chamber:	Single (Fiber Top) Lid: Transparent Acrylic to observe the complete process
Voltage (V / Hz)	220 V, Single Phase, 50Hz
Vacuum pump power	1.5HP
Sealing Power (W)	1000
Sealing Width (mm)	10
Lowest Pressure of vacuum Chamber (kPa)	0.02-0.04
Sealing Position of Vacuum Chamber	2
Volume Chamber Bulk (LxWxH) (mm)	500×500×125
Sealing Length (mm)	500
Air Charging Volume for Vacuum Pump (m <sup>3</sup> /h)	30
Material for Vacuum Case	Stainless steel 304
Dimension (LxWxH) mm	900x630x960
Control Panel	With PLC control from “Mitsubishi” with LCD display,
Weight (Kg)	110-125
Operation	Semiautomatic
Others	<ol style="list-style-type: none"> <li>1. Installation and test report to be provided</li> <li>2. Cost of equipment should include Freight charges</li> </ol>

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## Appendix-II (Item No. 2)

### Technical Specifications for Shrink Packaging Machine with L-Sealer

Quantity:01

<b>General Specification</b>	<ul style="list-style-type: none"><li>• Combine L-type sealer and shrink tunnel work together to finish seal-cut and shrink packing of film in one operation.</li><li>• Electric magnet to absorb cutting frame automatically when frame is pressed down.</li><li>• The object is automatically transmitted into shrink tunnel through conveyor when film is cut.</li><li>• Adopt digital temperature controller with PID function.</li><li>• Installation and test report to be provided</li><li>• Cost of equipment should include Freight charges</li></ul>
<b>Specifications for Shrink Tunnel</b>	
Tunnel Size	30" X 14" X 10"
Tunnel Conveyor	M.S pipe with silicon tube conveyor
Power Supply	440V 50Hz, 3 Phase
Conveyor Loading	10 kg
External Dimensions	84"(L) X 24"(W) X 50"(H)
Speed	5-10 pack /min
Heating	Heating Time: 10 min Cooling Time: 15 min
Net Weight	80-100 kg
Surface finish.	Powder coated
Power	3 Phase
<b>Specifications for L-Sealer</b>	
Sealing Size	Length: 400-500 mm; Width: 400-500 mm
Machine Dimensions:	Length: 1500-1600 mm; Width: 700-800 mm
Net Weight(kg)	80-110
Packaging Speed	12-20 pack/min
Power Supply	230V, 50 Hz.

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### Appendix-III (Item No. 3)

#### Technical Specifications for Modified Atmosphere Packaging Machine

Quantity:01

Specifications	
<b>General Specification</b>	<ul style="list-style-type: none"><li>• Suitable for modified atmosphere packaging of all kinds foods such as cold fresh products, cooked products, moon-cake, pastry, melon and fruit, fast food and vegetables</li><li>• Equipped with all necessary Auxiliary equipments.</li><li>• Installation and test report to be provided</li><li>• Cost of equipment should include Freight charges</li></ul>
Material of Construction:	Stainless steel S. S. 304
Bottom Usable Depth:	100 mm
No. of Trays at a time:	1
Seal Width:	4 mm
Production Output:	1-2 cycle/Minute with vacuum, 2 – 4 Cycles with seal only /Minute& gas flushing
Pneumatic air compressor:	6-8 Bar (1H.P. Air Compressor)
Electric Requirements:	230 Volts, single Phase, 50 Hz.
Tray size (L x B):	136 mm x 102 mm
Accessories To be Included:	Compressor Stabilizer Gas bottles Regulator & Heater Gas mixer N <sub>2</sub> -CO <sub>2</sub> Packing Roll (barrier): For 1000 Tray Packing Tray (barrier): 1000 pcs
<b>PLC Control</b>	With PLC control from“Mitsubishi” with LCD display

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## **General Conditions and Important Instructions for Bidders**

### 1. Quotation,

- a. Please quote the price with specification of Vacuum Packaging Machine, Shrink Packaging Machine with L-Sealer and Modified Atmosphere Packaging Machine as per specification given in Appendix- I, II and III in the prescribed format.
- b. The contract shall be for the full quantity for each item as described above.
- c. Unit price with and without all duties and other levies payable by the supplier under the contract shall be clearly quoted.
- d. Applicable taxes shall be quoted separately for all items.
- e. The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- f. The Prices should be quoted in Indian Rupees only.

### 2. Each bidder shall submit only one quotation.

### 3. Quotation shall remain valid for a period not less than 45 days after the last date of quotation submission i.e. 15/05/2021.

### 4. Evaluation of Quotations,

- a) The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which are properly signed; and confirm to the terms and conditions, and specifications.

### 5. Bidder shall submit a single bid including one or more equipment/machinery. However, the quotations would be evaluated item wise.

### 6. Award of contract:

- a) The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.
- b) Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior

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- to the award of contract.
- c) The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
7. 100% Payment of total cost shall be made in Indian Rupees only after successful delivery, installation and one week of testing.
8. All supplied items are under warranty of Minimum 1 year from the date of successful acceptance of items with free repairs and free replacement at our site.
9. **The last date for submitting the sealed tender by person / R.P.A.D /Speed Post / Courier is on or before 15/05/2021 before 05:00 P.M. and tender opening on 19/05/2021 at 04:00 P.M.**
10. Detailed specifications of the items are at Annexure I, II & III.
11. Training Clause (if any): Free Training at the time of Installation at our site.
12. Testing/Installation Clause (if any): Free Installation at the time of delivery at our site.
13. Information brochures/ Product catalogue, if any must be accompanied with the Quotation clearly indicating the model quoted for.
14. **Sealed tender to be submitted/ delivered at the address mentioned below: A. D. Patel Institute of Technology, New Vallabh Vidyanagar, Post Box:-52, Vitthal Udvognagar-388121 Dist:-Anand (Gujarat) India. With title line, "Tender Notice: ADIT/Food Processing Technology/MODROB/2020-21"**
15. We look forward to receiving your quotation and thank you for your interest.
16. In case of any dispute, only ANAND jurisdiction is allowed.

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**FORMAT FOR QUOTATION SUBMISSION**

**(In letterhead of the supplier with seal)**

**Ref: Tender Notice: ADIT/Food Processing Technology/MODROB/2020-21**

Date: \_\_\_\_\_

To:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Item No	Brand Name (With full specifications)	Quantity (a)	Unit Price (b)	Unit Price (Inclusive of GST) (c)	Total Amount (d)=(a)x(c)
1					
2					
3					
	Total				

I/We have read, understood and accepted the terms and conditions of the tender referenced ADIT/Food Processing Technology/MODROB/2020-21.

\_\_\_\_\_  
(Authorized Signature with Rubber Stamp)

\_\_\_\_\_  
(Name of the Authorized Person)

\_\_\_\_\_  
(Name & Address of the Firm)

\_\_\_\_\_  
(Contact Numbers)

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