



Kerala State Homoeopathic Co-Operative Pharmacy Ltd.

(sponsored by government of Kerala & aided by govt. of India)

Office: Pathirappally, Alappuzha, Kerala, India - 688 521

Phone : 0477 2258012

:0477 2258665

Fax : 0477 2258012

Website : www.homcokerala.com

Email : homcokerala@gmail.com

Supplier's Copy

USER REQUIREMENT SPECIFICATION

Name of the Company	:	
Contact Person	:	
Address	:	
Contact Details	:	
Department	:	Ground Floor, Raw Material Storage (Alcohol) and Water Treatment plant
Equipment and Code No.	:	1) Air Curtain 2) Insect killer
Name of work	:	Supply, Installation and Validation of Air Curtain and Insect Killer at M/s. HOMCO – Kerala at Second floor production area.
Ref. No.	:	
Date	:	
Enclosures	:	
Qty.	:	1) Air Curtain – 7 areas 2) Insect Killer – 30 Nos

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S No	Equipment Name	Capacity	Requirement	Entrance Area width
1.1	Air Curtain	Velocity required – 12 to 14 M/S	Required for the Service Area ground floor	1600 mm
1.2	Air Curtain	Velocity required – 12 to 14 M/S	Required for the Main Entrance ground floor	2300 mm
1.3	Air Curtain	Velocity required – 12 to 14 M/S	Required for the Unloading Bay	2620 mm
1.4	Air Curtain	Velocity required – 12 to 14 M/S	Required for the Back North Side Stair	1100 mm
1.5	Air Curtain	Velocity required – 12 to 14 M/S	Required for the Loading area	2500 mm
1.6	Air Curtain	Velocity required – 12 to 14 M/S	Required for the Raw Material Store (Alcohol)	2910 mm
1.7	Air Curtain	Velocity required – 12 to 14 M/S	Required for the Water Treatment Plant	2000 mm
1.8	Insect Killer	Attractive Tube Light 2 no's in a system	Required For the Plant	NA

2.0 : PROCESS REQUIREMENT DETAIL

Facility is equipped with entry/exit doors in the ground floor, raw material storage (alcohol) and water treatment plant, where to avoid the cross contamination or dust / insect ingress must be avoided. To maintain cleanliness, minimize insect entry, prevent outside air contamination. The air curtain will create an invisible barrier of high velocity air across the opening, thereby preventing exchange of air between two adjacent areas. The unit should be installed above the respective door openings to provide uniform air velocity across the Entire width.

Insect Killer: To minimize insect entry and maintain hygienic Conditions, insect killers are required in the plant.



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3.0

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DETAILS OF THE MACHINE

(To be specified by the supplier, if any specification variation is required)

S No	Description	Requirement
3.1 Air Curtain		
3.1.1	MOC	Outer cabin : SS 304
		Impellers : Aluminum
3.1.2	Flow Type	Non Recirculating
3.1.3	Fan Type	Centrifugal
3.1.4	Efficiency for	8 to 9 feet
3.1.5	Velocity Required	12 to 14 M/S
3.1.6	Sound Level (dB)	55-65 DB
3.1.7	Power supply	230 V , 50 HZ
3.1.8	Total Quantity required	7 areas
3.2 Insect killer :		
3.2.1	MOC	Outer cabin : SS 304
3.2.2	Tunes	24 inch / 18 watts
3.2.3	Dimension	610 mm X 360 mm X 114 mm
3.2.4	Type	Ceiling / Wall mounting
3.2.5	Total Quantity required	30 numbers
3.2.6	Spare requirement	Tube lights : 20 no's
		Choke : 5 no's



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4.0 : OPERATIONAL & CONTROL FEATURES

S No	Description	Requirement
4.1	Air Curtain	<p>A support rail needs to be provided at door entry. The air curtain should create a uniform high-velocity air barrier across the entire opening. The equipment should be low noise, energy efficient, and suitable for continuous operation. It should comply with GMP requirements.</p> <p>Air curtain should be provided with the automatic switch or sensor, whenever the door opens the air curtain should be operated automatically and when door closes. Air curtain need to be get off.</p>
4.2	Insect Killer	The insect killer should be made of SS 304 body, equipped with 2 nos. of tubes in a single system for attracting insects. It should be include an efficient choke and protective grill for safety.

* To be specified and confirm by the supplier as per their equipment design

5.0 : SAFETY

(To be specified by the supplier, if any variation)

S No	Description	Requirement
5.1 Finishing		
5.1.1	Finishing	No sharp edges
5.1.2	Support	Proper support should be provided.
5.1.3	Electrical Safety	All Wiring and Terminals should be properly insulated, earthed, and comply with electrical safety standard.
5.1.4	Noise level	Noise level should be within permissible limits



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S No	Description	Requirement
5.2 Insect Killer		
5.2.1	Finishing	No sharp edges
5.2.2	Support	Proper support should be provided.
5.2.3	Grill	UV tubes should be covered with protective safety grills.
5.2.4	Collection Tray	Collection tray should be easily removable.
5.3 Warranty :		
5.3.1	Warranty Air curtain and insect killer	1 year or above from the date of installation.

*** To be specified and confirm by the supplier as per their equipment design**

6.0 : MISCELLANEOUS

DESCRIPTION

(To be specified by the supplier, if any variation)

Miscellaneous:

- ❖ MOC certificate need to be provided.
- ❖ Test certificates are required

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7.0 : CLEANING TECHNIQUE

DESCRIPTION		
(To be specified by the supplier, if any variation)		
Mode of machine cleaning	:	*
Use of Lubricants	:	*
All contact parts should be easily dismantled and cleanable.		
Easy washing and cleaning facility should be available		
Drain points: Vendor should specify the pipe size and location of drain points if required as per their system's drain requirement with pipe /nozzle size, valve etc.*		

*** To be specified and confirm by the supplier as per their equipment design**

8.0 : MECHANICAL DETAILS

DESCRIPTION		
(To be specified by the supplier, if any variation)		
Dimension (In mm)	:	Should be limited below are equal to as per the annexure 1 drawing *
Net Weight (In Kgs.)	:	*
Type of Packing	:	*
Case Dimension (In mm)	:	*
Gross Weight (In Kgs.)	:	*
Foundation details if required	:	*

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9.0 : LIST OF ANCILLARY / ACCESSORIES / OPTIONAL ITEMS

DESCRIPTION

(To be specified by the supplier, if any variation)

Vendors should inform, provide details and consider scope of supply for the following:

- Recommended Spares part list
- Essential Spares (For 1 year)
- If any items required but not included in URS, to be mentioned and submitted with unit rate and quantity * (And it can be informed to client during pre-bid meeting or before PO/WO)
- Any other ancillary or accessories or optional items not mentioned above but required for successful operation should also to be informed in advance before POWO
- Any other ancillary, or accessories or optional items not mentioned also to be quoted
 - Details of Bought out components to be specified.

*** To be specified and confirm by the supplier as per their equipment design**

10.0 : TRAINING REQUIREMENT

- Training to all concern of M/s. HOMCO, Kerala for the Installation, Operation, Maintenance of Equipment provided by vendor and training record should be documented.
- Testing of control panel should be carried out in presence of customer/Client's representative at the place of manufacturer before delivery.
- Vendor shall support client in execution of all the Qualification Phases.



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11.0 : DOCUMENTATION

List of all Documents to be supplied along with equipment [AS APPLICABLE]

Sr. No.	Document to be supplied	Qty	Remarks
11.1	Test Certificates of all material of construction	2 sets	
11.2	FAT documents & IQ document	2 sets	

12.0 : TERMS AND CONDITIONS

Delivery Period	:	*
Payment Terms	:	As mentioned in tender.
Packaging and Forwarding	:	By Vendor
Un-loading at site	:	By vendor Installation in position by the vendor under the client's supervision
Excise / Taxes /GST	:	*
Material for Trial arrangement	:	* (To be arranged by client)
Installation and Commissioning	:	By Vendor
Response to URS and submission of quotation	:	Within 2 week
Submission of detail functional design specification and schematic drawings	:	Within a week after order finalization
Submission of FAT / SAT specification	:	2 weeks before FAT
Drawings / diagrams	:	With equipment delivery
The supplier should notify customer 2 weeks in advance of the beginning of FAT		
Catalogue, Equipment drawing, List of clients and year of establishment to be submitted alongwith quotation.		
<i>Any other terms, not mentioned above, also to be specified.</i>		

*** To be specified by the supplier**



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13.0 : ABBREVIATION

13.1	URS	:	User Requirement Specification.
13.2	DQ	:	Design Qualification
13.3	SS	:	Stainless Steel
13.4	MOC	:	Material of Construction
13.5	cGMP	:	Current Goods Manufacturing Practices
13.6	O&M	:	Operation and Maintenance
13.7	GA	:	General Arrangement
13.8	SLD	:	Single Line Diagram
13.9	HOD	:	Head of Department
13.10	QA	:	Quality Analysis
13.11	MRP	:	Maximum Retail Price
13.12	NMT	:	Not more than
13.13	BPM	:	Bottles per minutes

Any other details, not mentioned in section 1.0 to 13.0, to be specified in the quotation/specification by the vendor.