



## 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

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Website : [www.homcokerala.com](http://www.homcokerala.com)

Email : [homcokerala@gmail.com](mailto:homcokerala@gmail.com)

### Supplier's Copy

## USER REQUIREMENT SPECIFICATION

Name of the Company	:	
Contact Person	:	
Address	:	
Contact Details	:	
Department	:	QC lab – First floor
Equipment and Code No.	:	Lab furniture's
Name of work	:	Supply and Installation Laboratory furniture's for QC Lab at M/s. HOMCO – Kerala.
Ref. No.	:	
Date	:	
Enclosures	:	
Qty.	:	As per below Tabulation



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## 1.0 : LIST OF FURNITURE'S

S No	Area Name	Dimension	Quantity
1.01	Control sample	As per attached Drawing Annexure I	As per attached Drawing Annexure I
1.02	Instrumentation Room I		
1.03	Instrumentation Room II		
1.04	R&D Lab		
1.05	Hot Lab		
1.06	Wet Lab		
1.07	Sample storage area		
1.08	PharmaCognosy Lab		
1.09	Documentation Room	As per attached Drawing Annexure II	As per attached Drawing Annexure II

## 2.0 : PROCESS REQUIREMENT DETAIL

Laboratory furniture includes specialized benches, cabinets, tables, and storage systems designed to withstand chemicals, heavy equipment, and constant use in scientific environments. It supports safe, efficient, and ergonomic lab operations.

Laboratory furniture's required at the all QC laboratory for routine operation.

## 3.0 : DESIGN REQUIREMENT DETAIL

Design requirement need to be as per the drawing.

Annexure I : Laboratory Furniture layout



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**4.0**

**:**

## DETAILS OF THE MACHINE

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

S No	Description	Requirement
<b>4.1 General Description :</b>		
4.1.1	MOC	GI / CRCA ( JSW steels / TATA steels)
4.1.2	Surface treatment	Epoxy polyester powder 40 to 60 microns.
4.1.3	Thickness	Body : minimum 0.8 MM Frame : 30 x 30 mm , minimum 1.6 mm thickness
4.1.4	Finishing	Round and smooth finishing
4.1.5	Dimension / design	As per the drawings
4.1.6	Model	As per drawing
4.1.7	Construction type	Tough , chemical resistance
4.1.8	Color	Cupboard & table: Off white & Blue
4.1.9	Bench Top	Bench top should be 15 to 20 mm premium black Granite
4.1.10	adjustable levelers	adjustable levelers should be provided in the table for floor alignment and stability
4.1.11	Sink	Acid –alkali resistant, Compatible for all corrosive chemicals /Solvents, PP sink (Laboratory Grade) with flexible hose and coupling set.
4.1.12	Locks	All storage racks need to be provided with lock system
4.1.13	Reagent Rack	Reagent Rack should be of modular concept with 2 – tier storage facility. The end vertical supports and horizontal shelves will be 20 SWG G.I. sheets with UDL capacity of 30 – 35 kgs.
4.1.14	Electrical Raceways	5 / 15 amps Modular type Switch and Socket will be Provided (Internal Loop Wiring 2.5 SQM and Main Line 4 SQM)
4.1.15	3 way water Taps	3 way water Taps Made of High Quality Brass with Epoxy Powder coating (2 straight + Swan neck) water taps



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S No	Description	Requirement
<b>4.2 Control sample area requirement :</b>		
4.2.1	Area Requirement	Sliding moveable compartment rack
4.2.2	Ventilation hole	Compactor should have ventilation hole in the top and side for proper air circulation.
<b>4.3 Instrumentation Room I &amp; II :</b>		
4.3.1	Area Requirement	3 leg space for sit and work , one anti vibration table and one wash sink
4.3.2	Anti-vibration table	Anti-vibration table for placing weighing balance in instrumentation area I
<b>4.4 R &amp;D Lab :</b>		
4.4.1	Area Requirement	4 continuous leg space for sit and work and one wash sink, 2 document storage racks.
<b>4.5 Hot Lab :</b>		
4.5.1	Area Requirement	2 leg space for sit and work and one wash sink.
<b>4.6 Wet Lab :</b>		
4.6.1	Area Requirement	2 leg space for sit and work and two wash sink. Reagent rack need to be provided.
<b>4.7 Sample Storage area :</b>		
4.7.1	Area Requirement	6 storage cabin with 12 lockers in each storage cabin.
<b>4.8 PharmaCognosy Lab:</b>		
4.8.1	Area Requirement	2 leg space for sit and work and one wash sink. 2 storage cabin with 12 lockers in each storage cabin
<b>4.9 Documentation Room :</b>		
4.9.1	Area Requirement	2 leg space for sit and work and one wash sink. 4 storage cabin.



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S No	Description	Requirement
<b>4.10 Fume Hood :</b>		
4.10.1	Dimension	2500 (L) x 1200 (W) x 2400 (H) MM
4.10.2	Fume Hood	Three sides of the hood are permanently closed and the Front side provided with sliding door with 5 mm polycarbonate Sheet with suitable frame.
4.10.3	MOC	Galvanized iron sheet and finished poly-urethane paint over three coating of surface primer with 20 SWG outer body and inner 4 mm thickness FRP sheet.
4.10.4	Storage cabin	Chemical storage cabin need to be provided in the bottom
4.10.5	sturdy baffle	Inside the working chamber sturdy baffle should be provided above the work-table to uniformly direct the fumes / odor / smoke directly in to the hood's exhaust system
4.10.6	Blower	Chamber should be provided with a powerful centrifugal blower, placed outside the lab on the overhead slab
4.10.7	Operating specification	Front door slide 750 mm height from the bed / work table
		Worktable height 900 mm from the floor level
		Air Balancing 100% Exhaust with air bye-pass entry
		Suction Velocity 80 to 100 FPM when the door 12" open
4.10.8	Door	Single, vertical sliding, concealed type door, balanced with counter weights, sash weights and wire rope etc.
4.10.9	Ducting	Rigid ducting of PVC of 150mm dia. 4mm thick rigid PVC pipe should be provided with suitable rain- hood up to 10 feet Height
4.10.10	Working table with	Made of FRP / PP with swan neck water tap.
4.10.11	Sink	Sink with taps need to be provided
4.10.12	Suction Expected	800-1300 CFM
4.10.13	Working area	Granite TOP
4.10.14	Electrical	Switch, electrical sockets, switch for lights and blowers need to be provided.
4.10.15	Exhausts Pipe	Exhaust Pipe should be of length 15 meters



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S No	Description	Requirement
<b>4.11 Office table :</b>		
4.11.1	Area	Instrumentation lab II , PharmaCognosy Lab and Wet lab
4.11.2	Dimension	PharmaCognosy Lab : 1200 L x 600 W x 750 H Instrumentation lab II : 1200 L x 600 W x 750 H with side Unit Wet lab : 1200 L x 600 W x 750 H with side Unit
4.11.3	Document storage Cupboard	1800X450X900MM , ADJUSTABLE SHEVES - 4NOS , ADJUSTABLE BUSHES ,VIEWING GLASS ,LOCK & KEY
4.11.4	Document storage Cupboard Quantity	3 no's
<b>4.12 Eye wash with shower :</b>		
4.12.1	Shower Height	2200 mm
4.12.2	Eye wash height	1100 mm
4.12.3	Lever	Shower pull lever for activation of shower
4.12.3	Leg Pedal / hand lever	Eyewash pedal for activation of eye wash / hand lever
4.12.3	MOC	SS 304
4.12.4	Quantity	1 no

### **5.0 : OPERATIONAL & CONTROL FEATURES**

S No	Description	Requirement
5.1	<b>Furniture's</b>	Furniture's with lock, bottom bushes, storage compartment with locks.

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



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## 6.0 : SAFETY

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

S No	Description	Requirement
<b>6.1 Finishing</b>		
6.1.1	Finishing	No sharp edges
6.1.2	Internal Support	Proper internal rod support should be provided.

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

## 7.0 : MISCELLANEOUS

### DESCRIPTION

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

#### Miscellaneous:

❖ MOC need to be certified.

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

## 8.0 : 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



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### 9.0 : MECHANICAL DETAILS

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

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

### 10.0 : LIST OF ANCILLARY / ACCESSORIES / OPTIONAL ITEMS

DESCRIPTION
( To be specified by the supplier, if any variation)
<b><u>Vendors should inform, provide details and consider scope of supply for the following:</u></b>
<ul style="list-style-type: none"><li>➤ Recommended Spares part list</li><li>➤ 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/VO)</li><li>➤ Any other ancillary or accessories or optional items not mentioned above but required for successful operation should also to be informed in advance before PO/VO</li><li>➤ Any other ancillary, or accessories or optional items not mentioned also to be quoted</li><li>➤ Details of Bought out components to be specified.</li></ul>

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





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### 11.0 : 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.

### 12.0 : 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	



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## 13.0 : TERMS AND CONDITIONS

Delivery Period	:	*
Payment Terms	:	As mentioned in tender.
Packaging and Forwarding	:	<b>By Vendor</b>
Un-loading at site	:	By vendor Installation in position by the vendor under the client's <b>supervision</b>
Excise / Taxes /GST	:	*
Material for Trial arrangement	:	* (To be arranged by client)
Installation and Commissioning	:	<b>By Vendor</b>
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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### 14.0 : ABBREVIATION

14.1	URS	:	User Requirement Specification.
14.2	DQ	:	Design Qualification
14.3	SS	:	Stainless Steel
14.4	MOC	:	Material of Construction
14.5	cGMP	:	Current Goods Manufacturing Practices
14.6	O&M	:	Operation and Maintenance
14.7	GA	:	General Arrangement
14.8	SLD	:	Single Line Diagram
14.9	HOD	:	Head of Department
14.10	QA	:	Quality Analysis
14.11	MRP	:	Maximum Retail Price
14.12	NMT	:	Not more than
14.13	BPM	:	Bottles per minutes

**Any other details, not mentioned in section 1.0 to 14.0, to be specified in the quotation/specification by the vendor.**