



Kerala State Homoeopathic Co-Operative Pharmacy Ltd.  
Office:Pathirappally  
(sponsored by government of Kerala & aided by govt. of India)

Alappuzha, India  
Pin-688 521

Phone : 477 2258012  
:477 2258665

Fax : 0477 2258012

Email : cpo.homco@kerala.gov.in  
homcokerala@gmail.com

Website : www.homcokerala.com

**Supplier's Copy**

## USER REQUIREMENT SPECIFICATION

<b>Name of the Company</b>	:	
<b>Contact Person</b>	:	
<b>Address</b>	:	
<b>Contact Details</b>	:	
<b>Department</b>	:	<i>Compression- Second floor</i>
<b>Equipment and Code No.</b>	:	<i>Tablet Compression Machine with Metal Detector &amp; De-Duster</i>
<b>Ref. No.</b>	:	
<b>Date</b>	:	
<b>Enclosures</b>	:	
<b>Quantity</b>	:	<b>2 Nos.</b>



**CONSULTANT : M/S. KNACK TECHNOCRATS**

111, AVINASH, 7 BUNGALOWS, J.P. ROAD, ANDHERI (W), MUMBAI – 400 053  
TEL. NO. : 022-2636 1629, Email : [infoknack@gmail.com](mailto:infoknack@gmail.com)



Kerala State Homoeopathic Co-Operative Pharmacy Ltd.  
Office: Pathirappally  
(sponsored by government of Kerala & aided by govt. of India)

Alappuzha, India  
Pin-688 521

Phone : 477 2258012  
:477 2258665

Fax : 0477 2258012

Email : cpo.homco@kerala.gov.in  
homcokerala@gmail.com

Website : www.homcokerala.com

## TABLET COMPRESSION MACHINE WITH DUST COLLECTION

### UNIT & METAL DETECTOR

#### ANNEXURE - I : BASIC DETAILS OF THE MACHINE

<b>DESCRIPTION</b>	
(To be specified by the supplier, if any variation)	
Type	: Automatic
Model	: GMP *
No. of Station	: 45 & 75 stations Double rotary
Type of Tooling	: BB type:
Output	: 45 stations - Max. 1, 89,000 tablets /hr (approx). 75 stations - Max. 3,15,000 tablets /hr (approx).
Compression Pressure (Max.)	: 6.5 tons
Turret RPM (Max.)	: 35 *
Tablet Dia (Max.)	: 6 mm & 9 mm round *
Depth of Fill (Max.)	: 18 mm *
Hopper Capacity	: 20 liters *
Charging Height in mm	: * mm
Discharge Height in mm	: * mm
Available Room size	: 6000 x 5500 x 3000 mm
After Installation of Machine along with all Accessories sufficient space should be available for maintenance and free movement of IBC Bins.	



#### CONSULTANT : M/S. KNACK TECHNOCRATS

111, AVINASH, 7 BUNGALOWS, J.P. ROAD, ANDHERI (W), MUMBAI - 400 053  
TEL. NO. : 022-2636 1629, Email : [infoknack@gmail.com](mailto:infoknack@gmail.com)



Kerala State Homoeopathic Co-Operative Pharmacy Ltd.

Office:Pathirappally

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

Alappuzha, India  
Pin-688 521

Phone : 477 2258012  
:477 2258665

Fax : 0477 2258012

Email : cpo.homco@kerala.gov.in  
homcokerala@gmail.com

Website : www.homcokerala.com

**\* To be specified by the supplier**

**ANNEXURE – I : BASIC DETAILS OF THE MACHINE**

**OPTIONALS:**

<b>DESCRIPTION</b>	
(To be specified by the supplier, if any variation)	
<b>a) Force measurement system</b>	
Scada	: With 15" monitor
Software	: With all reports generation
Compliance	: 21 CFR part 11
Force indication	: Pre and main compression
Security	: 3 level password security
Ejection	: Force measurement system
Punch tightening measurement	: Upper and lower punch
<b>b) Auto rejection &amp; sampling system</b>	
• Pneumatic flap system	
• Pneumatic sampling system	
• Single tablet air blow rejection system	
<b>c) Auto weight control</b>	
• Servo motors with drive and LVDT (Linear variable differential transformer)	



**CONSULTANT : M/S. KNACK TECHNOCRATS**

111, AVINASH, 7 BUNGALOWS, J.P. ROAD, ANDHERI (W), MUMBAI – 400 053

TEL. NO. : 022-2636 1629, Email : [infoknack@gmail.com](mailto:infoknack@gmail.com)



Kerala State Homoeopathic Co-Operative Pharmacy Ltd.

Office:Pathirappally

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

Alappuzha, India  
Pin-688 521

Phone : 477 2258012  
:477 2258665

Fax : 0477 2258012

Email : [cpo.homco@kerala.gov.in](mailto:cpo.homco@kerala.gov.in)  
[homcokerala@gmail.com](mailto:homcokerala@gmail.com)

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

**d) METAL DETECTOR & De Duster Combo unit**

Sensitivity	:	0.3 mm ferrous & non ferrous and 0.5 mm SS *
Includes	:	Electronic unit, Test coil, Rejection mechanism
Rejection Mechanism	:	Electrically operated flap mechanism
De-duster	:	Bottom to top with frequency controller
Contact parts	:	SS 316

**e) Dust collection**

Capacity	:	200 CFM*
Contact parts	:	SS 316
Inlets	:	4 nos.
Door	:	Double door (Front and back)

**\*To be specified by the supplier**



**CONSULTANT : M/S. KNACK TECHNOCRATS**

111, AVINASH, 7 BUNGALOWS, J.P. ROAD, ANDHERI (W), MUMBAI – 400 053

TEL. NO. : 022-2636 1629, Email : [infoknack@gmail.com](mailto:infoknack@gmail.com)



Kerala State Homoeopathic Co-Operative Pharmacy Ltd.

Office: Pathirappally

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

Alappuzha, India  
Pin-688 521

Phone : 477 2258012  
:477 2258665

Fax : 0477 2258012

Email : [cpo.homco@kerala.gov.in](mailto:cpo.homco@kerala.gov.in)  
[homcokerala@gmail.com](mailto:homcokerala@gmail.com)

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

## DESCRIPTION

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

### Dust Collection Unit

Following to be included:

- The Dust Collection Unit should be provided with double HEPA in Exhaust and WIP System for decontamination and cleaning.
- Collection drums to be easily detachable for washing.
- Provision to connect de-duster and vacuum cleaning hose.

### Metal Detector

Following to be included:

- Software to detect minute metal particles in addition to phase sensitive detection.
- Automatic setting of parameters
- Continuous ON line self check monitoring system
- Built in self diagnostic system on LCD display.
- Reject time stamping
- Statistical data on LCD display
- Fail safe rejection mechanism
- Digital control and signal processing
- Buzzer and LED indication on detection of metal contamination
- LCD bar graph / numeric display to monitor noise and signal

### \* To be specified by the supplier



**CONSULTANT : M/S. KNACK TECHNOCRATS**

111, AVINASH, 7 BUNGALOWS, J.P. ROAD, ANDHERI (W), MUMBAI – 400 053

TEL. NO. : 022-2636 1629, Email : [infoknack@gmail.com](mailto:infoknack@gmail.com)



Kerala State Homoeopathic Co-Operative Pharmacy Ltd.  
Office:Pathirappally  
(sponsored by government of Kerala & aided by govt. of India)

Alappuzha, India  
Pin-688 521

Phone : 477 2258012  
:477 2258665

Fax : 0477 2258012

Email : cpo.homco@kerala.gov.in  
homcokerala@gmail.com

Website : www.homcokerala.com

**ANNEXURE – II : cGMP FEATURES**

<b>DESCRIPTION</b>	
( To be specified by the supplier, if any variation)	
MOC	: Contact parts : SS 316 : Non-Contact Parts : SS 304/ ENP /Hard chrome : plated : Turret : Cast Iron * : Feed frame : Food grade polymer : Pressure roller : Alloy steel : Dies : HCHC : Punches : OHNS Gasket / Seal / 'O' ring: Approved Food grade Polymeric material.
Safety Guard	: Polycarbonate *
Finish	: Internal : Mirror Finish
	: External : Matt Finish
All welds should be ground finished and properly passivated.	
The compression zone of the machine should be totally enclosed to minimize noise level below 75 db at a distance of 1 Mtr from the Equipment.	
The equipment should be smooth finished without any sharp edges and crevices.	

**\* To be specified by the supplier**



**CONSULTANT : M/S. KNACK TECHNOCRATS**

111, AVINASH, 7 BUNGALOWS, J.P. ROAD, ANDHERI (W), MUMBAI – 400 053  
TEL. NO. : 022-2636 1629, Email : [infoknack@gmail.com](mailto:infoknack@gmail.com)



Kerala State Homoeopathic Co-Operative Pharmacy Ltd.

Office:Pathirappally

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

Alappuzha, India  
Pin-688 521

Phone : 477 2258012  
:477 2258665

Fax : 0477 2258012

Email : cpo.homco@kerala.gov.in  
homcokerala@gmail.com

Website : www.homcokerala.com

**ANNEXURE – III : PROCESS CONTROL FEATURES**

<b>DESCRIPTION</b>	
( To be specified by the supplier, if any variation)	
Variation in speed of the machine	: By VFD
Machine Operation Control	: By Programmable Logic Controller (PLC) Scada - Optional
Machine Operational Interface	: By Pre-programmed HMI screen with function keys.
Control Panel	: The electrical components will be located on electrical control panel on RHS of the machine and operating console should be an HMI (color) with function keys. : Digital Counter is located on the HMI : Set pressure is displayed on HMI

**\* To be specified by the supplier**



**CONSULTANT : M/S. KNACK TECHNOCRATS**

111, AVINASH, 7 BUNGALOWS, J.P. ROAD, ANDHERI (W), MUMBAI – 400 053

TEL. NO. : 022-2636 1629, Email : [infoknack@gmail.com](mailto:infoknack@gmail.com)



Kerala State Homoeopathic Co-Operative Pharmacy Ltd.  
Office: Pathirappally  
(sponsored by government of Kerala & aided by govt. of India)

Alappuzha, India  
Pin-688 521

Phone : 477 2258012  
:477 2258665

Fax : 0477 2258012

Email : [cpo.homco@kerala.gov.in](mailto:cpo.homco@kerala.gov.in)  
[homcokerala@gmail.com](mailto:homcokerala@gmail.com)

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

## ANNEXURE – IV : OPERATIONAL FEATURES

### DESCRIPTION

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

Following to be included:

- Center Drive: No worm & gear ring on turret mechanism to reduce moving parts and minimize maintenance. Gear box directly coupled to center shaft with a keyless coupling to ensure zero backlashes.
- Hydraulic power pack: This can act as an overload release mechanism and can be used to measure the applied pressure. Pressure can applied directly on compression axis ensuring uniform pressure.
- 10 ton pre compression: Rollers of double thickness to increase dwell time and 8 rollers can identical and interchangeable.
- Front control system: In case machine is not with Scada. All pressure can be set using control knobs located on front panel.
- Feeder system: 3 chamber bottom driven rotary feeder with an overflow indicator. Multi chamber gravity feeder of food grade polymer with a common hopper for both rotary and gravity feeder.
- Profile cam: Made out of polymer to reduce noise and friction and it can be cover upper punch completely protecting them from dust to avoid jamming.
- Control panel: Separate panel and parameters controlled through PLC and can store and display pressure, tablet count, turret RPM, motor ampere etc.
- Central auto oil lubrication system, Anti Vibration mounts.



**CONSULTANT : M/S. KNACK TECHNOCRATS**

111, AVINASH, 7 BUNGALOWS, J.P. ROAD, ANDHERI (W), MUMBAI – 400 053

TEL. NO. : 022-2636 1629, Email : [infoknack@gmail.com](mailto:infoknack@gmail.com)





Kerala State Homoeopathic Co-Operative Pharmacy Ltd.

Office:Pathirappally

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

Alappuzha, India  
Pin-688 521

Phone : 477 2258012  
:477 2258665

Fax : 0477 2258012

Email : [cpo.homco@kerala.gov.in](mailto:cpo.homco@kerala.gov.in)  
[homcokerala@gmail.com](mailto:homcokerala@gmail.com)

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

### Tooling Details

Type of Die Punch	:	BB
Diameter of Dies	:	24.00MM *
Length of Dies	:	22.22MM *
Diameter of Punch body	:	19.00MM *
Length of Upper Punch	:	133.60MM *
Length of Lower Punch	:	133.60MM *

**\* To be specified by the supplier**



**CONSULTANT : M/S. KNACK TECHNOCRATS**

111, AVINASH, 7 BUNGALOWS, J.P. ROAD, ANDHERI (W), MUMBAI – 400 053

TEL. NO. : 022-2636 1629, Email : [infoknack@gmail.com](mailto:infoknack@gmail.com)



Kerala State Homoeopathic Co-Operative Pharmacy Ltd.

Office:Pathirappally

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

Alappuzha, India  
Pin-688 521

Phone : 477 2258012  
:477 2258665

Fax : 0477 2258012

Email : cpo.homco@kerala.gov.in  
homcokerala@gmail.com

Website : www.homcokerala.com

**ANNEXURE – V : ELECTRICAL DETAILS**

<b>DESCRIPTION</b>		
( To be specified by the supplier, if any variation)		
Standard Operating Frequency	:	50 Hz
Standard Operating Voltage	:	415 V
RPM	:	*
Motor Details	:	*
Gear Box Details	:	*
VFD Details	:	*
Programmable Logic Controller	:	*
<b>Major Cabling details</b>		
For Main supply	:	*
For Main drive motor	:	*
Cable Provided with machine	:	*
<i>Any other detail not mentioned above, also to be included.</i>		

**\* To be specified by the supplier**



**CONSULTANT : M/S. KNACK TECHNOCRATS**

111, AVINASH, 7 BUNGALOWS, J.P. ROAD, ANDHERI (W), MUMBAI – 400 053

TEL. NO. : 022-2636 1629, Email : [infoknack@gmail.com](mailto:infoknack@gmail.com)



Kerala State Homoeopathic Co-Operative Pharmacy Ltd.

Office: Pathirappally

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

Alappuzha, India  
Pin-688 521

Phone : 477 2258012  
:477 2258665

Fax : 0477 2258012

Email : [cpo.homco@kerala.gov.in](mailto:cpo.homco@kerala.gov.in)  
[homcokerala@gmail.com](mailto:homcokerala@gmail.com)

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

- ❖ Wiring between Panel and the Machine is in the Scope of Vendor. The exact measurements shall be taken by visiting the site.
- ❖ The Incomer to the Operating Panel shall be provided by HOMCO, however any Cable Trays or SS 304 Conduits required for the same shall be provided by the Vendor.
- ❖ Cable routing from Operating Panel to the Machine shall be done as per cGMP i.e. routing through Cable Trays outside Clean Room Areas and SS 304 Conduits inside Clean Room Areas.
- ❖ All the Component Makes should match the Approved Makes list provided. Any deviation from this should be documented and communicated to HOMCO.
- ❖ All Calibration Certificates are to be produced during Installation of Machine, without which the Installation is deemed incomplete. All the Certificates should be Traceable to National / International Standards.
- ❖ The Validity of Calibration shall be minimum 9 months and maximum 12 months from the date of Installation.
- ❖ All the Signal Cables should be Shielded to avoid interference.
- ❖ Complete Earthing of Equipment.
- ❖ Complete covering of Electrical Cables and Other Connections.



**CONSULTANT : M/S. KNACK TECHNOCRATS**

111, AVINASH, 7 BUNGALOWS, J.P. ROAD, ANDHERI (W), MUMBAI – 400 053

TEL. NO. : 022-2636 1629, Email : [infoknack@gmail.com](mailto:infoknack@gmail.com)



Kerala State Homoeopathic Co-Operative Pharmacy Ltd.

Office: Pathirappally

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

Alappuzha, India  
Pin-688 521

Phone : 477 2258012  
:477 2258665

Fax : 0477 2258012

Email : [cpo.homco@kerala.gov.in](mailto:cpo.homco@kerala.gov.in)  
[homcokerala@gmail.com](mailto:homcokerala@gmail.com)

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

## ANNEXURE – VI : SAFETY FEATURES

### DESCRIPTION

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

Safety of machine operation is of utmost importance.

To ensure safety, all upper guards to be fitted with interlock switches.

Machine should indicate fault with details on Control panel/PLC (Failure mode detection).

An easily accessible emergency stop to be provided on main control panel door.

Wherever possible, warning symbols should be provided.

On Power Failure Equipment shall come to rest, to protect Operator, Equipment itself and the Product.

Power Restart must not be Automatic and Human intervention must be required.

After Regain of Power the Equipment should Start from the Step it Stopped.

Flame Proof Construction

Flame Proof Motor with Flame Proof Operating Panel

Equipment shall be capable to Detect the following Failure, Notify the Operator with Alarm and Shutdown the Process:

- A. Emergency Stop Activated
- B. No Granules in Hopper
- C. Lubricant Feed System Failure



**CONSULTANT : M/S. KNACK TECHNOCRATS**

111, AVINASH, 7 BUNGALOWS, J.P. ROAD, ANDHERI (W), MUMBAI – 400 053

TEL. NO. : 022-2636 1629, Email : [infoknack@gmail.com](mailto:infoknack@gmail.com)



Kerala State Homoeopathic Co-Operative Pharmacy Ltd.

Office:Pathirappally

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

Alappuzha, India  
Pin-688 521

Phone : 477 2258012  
:477 2258665

Fax : 0477 2258012

Email : [cpo.homco@kerala.gov.in](mailto:cpo.homco@kerala.gov.in)  
[homcokerala@gmail.com](mailto:homcokerala@gmail.com)

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

**ANNEXURE – VII : UTILITY REQUIREMENT**

<b>DESCRIPTION</b> <b>(To be specified by the supplier, if any variation)</b>		
Vacuum	:	*
Compressed Air	:	*
Water	:	*
Chilled Water	:	*
Nitrogen	:	*
Any other	:	*

**\* To be specified by the supplier, if applicable**



**CONSULTANT : M/S. KNACK TECHNOCRATS**

111, AVINASH, 7 BUNGALOWS, J.P. ROAD, ANDHERI (W), MUMBAI – 400 053

TEL. NO. : 022-2636 1629, Email : [infoknack@gmail.com](mailto:infoknack@gmail.com)



Kerala State Homoeopathic Co-Operative Pharmacy Ltd.  
Office: Pathirappally  
(sponsored by government of Kerala & aided by govt. of India)

Alappuzha, India  
Pin-688 521

Phone : 477 2258012  
:477 2258665

Fax : 0477 2258012

Email : cpo.homco@kerala.gov.in  
homcokerala@gmail.com

Website : www.homcokerala.com

**ANNEXURE – VIII : CLEANING TECHNIQUE**

<b>DESCRIPTION</b>		
( To be specified by the supplier, if any variation)		
Mode of machine cleaning	:	*
Use of Lubricants	:	Auto lubrication • Any lubricant, used in the Equipment must be of Food Grade and Non-toxic.
Lubricant specification and details	:	*
<ul style="list-style-type: none"><li>• All contact parts should be easily dismantled and cleanable.</li><li>• The Equipment shall be easily accessible for Cleaning the Non-product Contact Part at maintenance side of the Equipment.</li><li>• Provision for CIP / WIP should be provided.</li><li>• All bolt nuts on the exterior parts will be with cap head or cap nuts.</li></ul>		

**\* To be specified by the supplier**



**CONSULTANT : M/S. KNACK TECHNOCRATS**

111, AVINASH, 7 BUNGALOWS, J.P. ROAD, ANDHERI (W), MUMBAI – 400 053  
TEL. NO. : 022-2636 1629, Email : [infoknack@gmail.com](mailto:infoknack@gmail.com)



Kerala State Homoeopathic Co-Operative Pharmacy Ltd.  
Office:Pathirappally  
(sponsored by government of Kerala & aided by govt. of India)

Alappuzha, India  
Pin-688 521

Phone : 477 2258012  
:477 2258665

Fax : 0477 2258012

Email : cpo.homco@kerala.gov.in  
homcokerala@gmail.com

Website : www.homcokerala.com

**ANNEXURE – IX : MECHANICAL DETAILS**

<b>DESCRIPTION</b>		
(To be specified by the supplier, if any variation)		
Dimension (In mm)	:	*
Floor Space	:	*
Net Weight (In Kgs.)	:	*
Type of Packing	:	*
Case Dimension (In mm)	:	*
Gross Weight (In Kgs.)	:	*
Foundation details	:	* (If applicable)

**\*To be specified by the supplier**



**CONSULTANT : M/S. KNACK TECHNOCRATS**

111, AVINASH, 7 BUNGALOWS, J.P. ROAD, ANDHERI (W), MUMBAI – 400 053  
TEL. NO. : 022-2636 1629, Email : [infoknack@gmail.com](mailto:infoknack@gmail.com)



Kerala State Homoeopathic Co-Operative Pharmacy Ltd.

Office:Pathirappally

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

Alappuzha, India  
Pin-688 521

Phone : 477 2258012  
:477 2258665

Fax : 0477 2258012

Email : cpo.homco@kerala.gov.in  
homcokerala@gmail.com

Website : www.homcokerala.com

**ANNEXURE – X : LIST OF ANCILLARY / ACCESSORIES / OPTIONAL ITEMS**

**DESCRIPTION**

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

- Variable Frequency Drive:
- Force Feeder:
- Auto Lubrication:
- Adjustable upper punch penetration:
- 3 piece turret with SS 316 die plate:
- Hopper granules level sensor:
- Dust Extractor: 200 CFM
- Dies and Punches for round shapes of tablet to be quoted:

*Any other ancillary, or accessories or optional items not mentioned above, also to be quoted.*

**\* To be specified by the supplier**



**CONSULTANT : M/S. KNACK TECHNOCRATS**

111, AVINASH, 7 BUNGALOWS, J.P. ROAD, ANDHERI (W), MUMBAI – 400 053

TEL. NO. : 022-2636 1629, Email : [infoknack@gmail.com](mailto:infoknack@gmail.com)





Kerala State Homoeopathic Co-Operative Pharmacy Ltd.  
Office: Pathirappally  
(sponsored by government of Kerala & aided by govt. of India)

Alappuzha, India  
Pin-688 521

Phone : 477 2258012  
:477 2258665

Fax : 0477 2258012

Email : cpo.homco@kerala.gov.in  
homcokerala@gmail.com

Website : www.homcokerala.com

### ANNEXURE – XI : TRAINING REQUIREMENT

- Training to all concern of M/s. HOMCO, Kerala for Installation, Operation, Maintenance and Cleaning of Tablet Compression Machine should be provided by vendor and training record will be documented.
- Vendor shall support client in execution of all the Qualification Phases.

### ANNEXURE – XII : APPROVED MAKES

PLC: Mitsubishi / Siemens / Allen-bradley	:	*
Motors: Crompton Greaves / Siemens / Bharat Bijlee	:	*
Switchgear: L&T / Hager / Schneider / ABB	:	*
VFD: Yaskawa / ABB / Siemens	:	*
Proximity Switches: Pepperl Fuchs	:	*
Cables: Finolex / Polycab	:	*
Pressure Gauges: Warea / Forbes Marshall	:	*
HMI: Mitsubishi / Beijer / Siemens	:	*

**\* To be specified by the supplier**



**CONSULTANT : M/S. KNACK TECHNOCRATS**

111, AVINASH, 7 BUNGALOWS, J.P. ROAD, ANDHERI (W), MUMBAI – 400 053  
TEL. NO. : 022-2636 1629, Email : [infoknack@gmail.com](mailto:infoknack@gmail.com)



Kerala State Homoeopathic Co-Operative Pharmacy Ltd.  
Office: Pathirappally  
(sponsored by government of Kerala & aided by govt. of India)

Alappuzha, India  
Pin-688 521

Phone : 477 2258012  
:477 2258665

Fax : 0477 2258012

Email : [cpo.homco@kerala.gov.in](mailto:cpo.homco@kerala.gov.in)  
[homcokerala@gmail.com](mailto:homcokerala@gmail.com)

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

**ANNEXURE – XIII : DOCUMENTATION**

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

Sr. No.	Document to be supplied	Qty	Remarks
1	Design and operational qualification	2 sets	
2	SAT/FAT procedures	2 sets	
3	Operation manual	2 sets	
4	Maintenance manual	2 sets	
5	Spare parts manual	2 sets	
6	All engineering drawings	2 sets	
7	List of instruments	2 sets	
8	Calibration certificates	2 sets	
9	Warranty / Guarantee	2 sets	
10	List of all components with referencing	2 sets	
11	Civil foundation drawings	2 sets	
12	Pre installation requirements	2 sets	
13	Installation requirements	2 sets	
14	Installation manual	2 sets	
15	Technical literature, data sheets and equipment catalogues	2 sets	
16	DQ, IQ, PQ documents.	2 sets	
17	Calibration Report of all sensors, controllers, PLC, transmitters, indicators etc.	2 sets	
18	Test Certificates of all material of construction	2 sets	
19	Test Certificates of the software used in machine control / monitoring system.	2 sets	



**CONSULTANT : M/S. KNACK TECHNOCRATS**

111, AVINASH, 7 BUNGALOWS, J.P. ROAD, ANDHERI (W), MUMBAI – 400 053

TEL. NO. : 022-2636 1629, Email : [infoknack@gmail.com](mailto:infoknack@gmail.com)



Kerala State Homoeopathic Co-Operative Pharmacy Ltd.

Office: Pathirappally

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

Alappuzha, India  
Pin-688 521

Phone : 477 2258012  
:477 2258665

Fax : 0477 2258012

Email : [cpo.homco@kerala.gov.in](mailto:cpo.homco@kerala.gov.in)  
[homcokerala@gmail.com](mailto:homcokerala@gmail.com)

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



**CONSULTANT : M/S. KNACK TECHNOCRATS**

111, AVINASH, 7 BUNGALOWS, J.P. ROAD, ANDHERI (W), MUMBAI – 400 053

TEL. NO. : 022-2636 1629, Email : [infoknack@gmail.com](mailto:infoknack@gmail.com)



Kerala State Homoeopathic Co-Operative Pharmacy Ltd.  
Office: Pathirappally  
(sponsored by government of Kerala & aided by govt. of India)

Alappuzha, India  
Pin-688 521

Phone : 477 2258012  
:477 2258665

Fax : 0477 2258012

Email : cpo.homco@kerala.gov.in  
homcokerala@gmail.com

Website : www.homcokerala.com

## ANNEXURE – XIV : TERMS AND CONDITIONS

Delivery Period	:	*
Payment Terms	:	*
Packaging and Forwarding	:	*
Excise / Taxes / Octroi/ GST	:	*
Material for Trial	:	*
Installation and Commissioning	:	*
<b>Submission of documents and drawings</b>		
Response to URS and submission of quotation	:	Within one week after receiving PO
Submission of detail functional design specification and schematic drawings	:	Before dispatch of machine
Submission of FAT / SAT specification	:	Before conducting FAT
Submission of IQ AND OQ documents	:	Before dispatch of machine
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**



**CONSULTANT : M/S. KNACK TECHNOCRATS**

111, AVINASH, 7 BUNGALOWS, J.P. ROAD, ANDHERI (W), MUMBAI – 400 053

TEL. NO. : 022-2636 1629, Email : [infoknack@gmail.com](mailto:infoknack@gmail.com)



Kerala State Homoeopathic Co-Operative Pharmacy Ltd.  
Office:Pathirappally  
(sponsored by government of Kerala & aided by govt. of India)

Alappuzha, India  
Pin-688 521

Phone : 477 2258012  
:477 2258665

Fax : 0477 2258012

Email : cpo.homco@kerala.gov.in  
homcokerala@gmail.com

Website : www.homcokerala.com

**ANNEXURE – XV : ABBREVIATION**

1.	URS	:	User Requirement Specification.
2.	HOMCO	:	Kerala State Homeopathic Co-operative Pharmacy Ltd.
3.	DQ	:	Design Qualification
4.	IQ	:	Installation Qualification
5.	OQ	:	Operational Qualification
6.	PQ	:	Performance Qualification
7.	SS	:	Stainless Steel
8.	RHS	:	Right Hand Side
9.	MOC	:	Material of Construction
10.	KW	:	Kilo Watt
11.	HP	:	Horse Power
12.	RPM	:	Rotation Per Minute
13.	FLP	:	Flame Proof
14.	cGMP	:	Current Good Manufacturing Practices
15.	O&M	:	Operation and Maintenance
16.	GA	:	General Arrangement
17.	SLD	:	Single Line Diagram
18.	HOD	:	Head of Department
19.	QA	:	Quality Analysis
20.	MRP	:	Maximum Retail Price
21.	NMT	:	Not more than
22.	VFD	:	Variable frequency drive

❖ **Any other details, not mentioned in Annexure I to XIV, to be specified in the quotation/specification by the vendor.**



**CONSULTANT : M/S. KNACK TECHNOCRATS**

111, AVINASH, 7 BUNGALOWS, J.P. ROAD, ANDHERI (W), MUMBAI – 400 053  
TEL. NO. : 022-2636 1629, Email : [infoknack@gmail.com](mailto:infoknack@gmail.com)