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Supplier's Copy

# USER REQUIREMENT SPECIFICATION

lame of the Company	:	
Contact Person	ioqua si	
Address 4 prigs T xo8 attomorus		
Contact Details		SHIGHIAN
Department		Model
Equipment and Code No.	SEE W	Box Taping Machine -Side Drive (Automatic) (Second floor- Packing Hall)
Name of work  * ggs evicedby 200	ž inchi.	Supply, Installation, Commissioning of cGMP Automatic Box Taping Machine-Side Drive at M/s. HOMCO –Kerala -
	€0 Kys	Maximum Box Weight (Kg)
* (m) 00\	07.450	Table Height 1
Date * 024	AC 220	Voltage (V/Hz)
Enclosures	740×	Power (W) : External Dimensions (LX W.X.H.) mm :
	20 Kg	1 No. Machine Weight



CONSULTANT : M/S. KNACK TECHNOCRATS

e specified and confirm by the supplier as per their equipment design

42, AVINASH, 7 BUNGALOWS, J.P. ROAD, ANDHERI (W), MUMBAI – 400 05 TEL. NO.: 022-2636 1629, Email: infoknack@gmail.com

J. Ansan

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to autro at

### Kerala State Homoeopathic Co-Operative Pharmacy Ltd.

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### AUTOMATIC BOX TAPING MACHINE (SIDE DRIVE)

ANNEXURE - I BASIC DETAILS OF THE MACHINE

(To be specified		CRIPTION ne supplier, if any variation)
Scope		Supply, Installation and Commissioning of cGMP model Automatic Box Taping Machine -Side Drive along with connecting accessories, cables etc. at M/s. HOMCO -Kerala at
Machine	•	Box Taping Machine - Side Drive (Automatic)
Model	ŧ	* Department *
Maximum Sealing Size (W x H) mm	inis	500 W x 500 H mm *
Minimum Sealing Size (W x H) mm	mar obsc	90 W x 80 H mm *
Maximum Sealing Capacity	•	40 Boxes /min. *
Width of Adhesive Tape (Inch)	u.	2 inch. *
Adhesive Tape Material		BOPP, PVC adhesive tape *
Maximum Box Weight (Kg)	:	60 Kgs. *
Table Height	- 1	635 to 780 mm *
Voltage (V/Hz)	:	AC 220/50 *
Power (W)	:	240*
External Dimensions (L X W X H) mm	•	1730 X 950 X (960 to 1550) mm *
Machine Weight	4 :	120 Kgs. * YüinauQ

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



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#### ANNEXURE - II, III : CGMP FEATURES & OPERATIONAL FEATURES

		DESCRIP	Standard Operating Frequency NOIT
	(To be spe	ecified by the sup	oplier, if any variation)
мос		*	Rating watts
Finish		*	Total power consumption

#### Unit should consist of following features:

- Machine should have side belt drive design for smooth carton sealing \*
- \* To be specified and confirm by the supplier as per their equipment design

MUMBAI AND OR AN

MCB or Socket should be with equipme

Arrangement should be with system

to be supplied with machine at power s

d above, also to be included

will provide & connect the required cable in to vendor's







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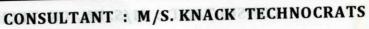
#### ELECTRICAL DETAILS ANNEXURE - IV

IPER & DREBATIONAL FEAT	DESC	RIPIION
(To be specified	by the	e supplier, if any variation)
Standard Operating Frequency	R383	50 Hz
Standard Operating Voltage	r the si	230 / 415V*
Rating watts		* * 20%
Total power consumption		Finish * *
Heater Details (If any)	22/91	Unit should consist of following feat
PLC and HMI details	250-5	Machine snedia have side belt driv
VFD details (If any)	ngil <b>t</b> n	To be specified and confirm by the su
Tower lamp (If required)		*
Starter		*
Major Cabling details		
For Main supply (In client's scope)	<u> </u>	
For Main drive motor		*
End connection details		MCB or Socket should be with equipment
Earthing requirement		Arrangement should be with system
An Isolator Circuit breaker		To be supplied with machine at power supply i point of appropriate capacity by vendor. *
Cable length with equipment		*

Any other detail not mentioned above, also to be included.

Client will provide & connect the required cable in to vendor's panel. From machine panel to machine and its other accessories to be supplied and connected by vendor at site.

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



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#### DESCRIPTION

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

#### Miscellaneous:

- Wiring between Panel and the Machine should be 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.





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#### ANNEXURE - V

### DESCRIPTION

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

The equipment should be provided with motor overload safety relay. \*

In the event of equipment malfunction or stoppage of utilities, the unit must contain all necessary protection devices to ensure that equipment and product remain in safe condition. \*

Equipment settings should not get disturbed due to power failure. \*

Equipment should not restart without human intervention. \*

Equipment should indicate fault through audio / visual signal with details on Control panel (Failure mode detection) \*

An easily accessible emergency stops to be provided on main control panel door. \*

Lubricant should not come in product contact. \*

Wherever possible, warning symbols should be provided. \*

Electrical wiring must be concealed\*





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## ANNEXURE - VI : UTILITY REQUIREMENT

(nolleller) (To I		DESCRIPTION by the supplier, if any variation)
Vacuum		Mode of machine cleaning * *
		Use of Lubricants :
Compressed Air	ant deanab	Ordinary * Visco and bloods street particollist.
	size und loca	Non-Lubricated * and nobre Visiting many
		per their design requirement * -
Any other utilities	ier as per t	* To be specified and confirm by the supp

\* To be specified and confirm by the supplier as per their equipment's design requirement with pressure and flow rate and pipe /nozzle size required.







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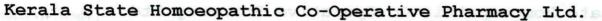
### ANNEXURE - VII : CLEANING TECHNIQUE

(To be spe		SCRIPTION the supplier, if any variation)
Mode of machine cleaning		* and the second
Use of Lubricants		*
All contact parts should be easily	dismantle	ed and cleanable.
Drain points: Vendor should spec per their design requirement *	ify the pip	pe size and location of drain points if any required as









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ANNEXURE - VIII

MECHANICAL DETAILS

<b>DESCRIPTION</b> (To be specified by the supplier, if any variation)				
Dimension (In mm)		*		
Net Weight (In Kgs.)	idas au	(To be specified by		
Type of Packing (Sign (How igit on)	ia ko‡g	> Oplional Items (If any, Vendor shuth		
Case Dimension (In mm)	takun 2	* Recommended Spares along with list		
Gross Weight (In Kgs.)		*		
Foundation details (If required)		* 1 Subtraction of the use of the		







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ANNEXURE - IX : LIST OF ANCILLARY / ACCESSORIES / OPTIONAL ITEMS

#### DESCRIPTION

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

- Optional Items (If any, Vendor should provide the list with rate) \* 100 59 10 59 11
- Recommended Spares along with list & quantity (Vendors should submit with tender) \*
- If any items required but not included in URS, to be mentioned and submitted with unit rate and quantity \* (And it can be indicated during pre-bid meeting)

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







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### ANNEXURE - X : TRAINING REQUIREMENT

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







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## ANNEXURE - XI : APPROVED MAKES

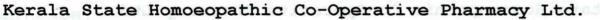
Motor: Hindustan/Crompton/	> Training to all concern of M/s.
Gear Box: Shacon/ Buonfiglio/d babiyong ad lisita in	and Cleaning of the Equipmen
Stainless Steel Sheet & Pipe: Tata / Jindal	documented. * :
VFD: Allen Bradly/Mitsubishi/	> Vendor shall support tient in ex
Cables: Finolex / Polycab	*

- Any other components, not mentioned above, to be specified by the vendor.
- All the Component Makes should match with the Approved Makes listed above. Any deviation from this should be documented and communicated to HOMCO and Pharma Consultant.









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ANNEXURE - XII

DOCUMENTATION

Sr. No.	Document to be supplied	Qty	Remarks	
1	Design and operational qualification	2 sets		
2	SAT/FAT procedures	2 sets		
3	Operation manual 150 mu to	2 sets		
4	Maintenance manual	2 sets		
5	Spare parts manual	2 sets		
6	All engineering drawings	2 sets	net leigesM	
7	List of instruments	2 sets	Installation	
8	Calibration certificates approved by a sine at the sin	2 sets		
9	Warranty / Guarantee datW angulateup to notzelmique	2 sets	o sanours»	
10	List of all components with referencing	2 sets	noizalindu2	
11	Civil foundation drawings	2 sets	noisemeses	
12	Pre installation requirements	2 sets	ng/es/mars	
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. O 1894 bits 23nello to tall aprily61b 1	2 sets	Catalogue, E	
17	Calibration Report of all sensors, controllers, PLC, transmitters, indicators etc.	2 sets	wen quotaer Any other te	
18	Test Certificates of all material of construction	2 sets	fooga od oT *	
19	Test Certificates of the software used in machine control / monitoring system.	2 sets	TEG	



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## ANNEXURE - XIII : TERMS AND CONDITIONS

Delivery Period SADLISSA ZADINSMISSISSISSISSISSISSISSISSISSISSISSISSIS	prote	List of all Documents to be supplice
Payment Terms ballogu	od e	As mentioned in tender.
Packaging and forwarding	:	By Vendor
Un-loading at site	nii Ji	By vendor /Supplier
2 sets		(If required, help for the arrangements
2 sals		of unloading can be done by client)
zine S		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	:	By Vendor
Submission of documents and drawings		8 Calibration certificates
Response to URS and submission of quotation	:	Within 1 week \ \QMSD6W
Submission of detail functional design	ensk	Within a week after order finalization
specification and schematic drawings		11 Civil foundation drawings
Submission of FAT / SAT specification	:	2 weeks before FAT
Submission of IQ AND OQ documents	:	With equipment delivery
Drawings / diagrams	:	Within a week after receiving PO

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 along with quotation.

Any other terms, not mentioned above, also to be specified.

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



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## ANNEXURE - XIV

### ABBREVIATION

1.	URS	:	User Requirement Specification.
2.	НОМСО		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	<u> </u>	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		
18.	HOD		Single Line Diagram
19.	QA	<u> </u> :	Head of Department
20.	MRP		Quality Analysis
21.	NMT		Maximum Retail Price
			Not more than
22.	VFD		Variable frequency drive
23.	FAT		Factory Acceptance Test
24	SAT	•	Site Acceptance Test

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



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