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Supplier's Copy

USER REQUIREMENT SPECIFICATION

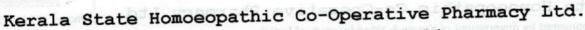
Name of the Company	1		
Contact Person	ed =		10
Address	abdm	\$ Cope of the state of the stat	
Contact Details			
Department	a kata	is in the second	
Equipment and Code No.	28 dy	Box Strapping Machine (Automatic) (Second Floor-Packing Hall)	
Name of work	1	Supply, Installation, Commissioning Box Strapping Machine Automatic, HOMCO –Kerala -	
Ref. No.	12 62	Capacity	
Date * mm dCAE X GBA X	:	Omensions (W X D X H) mm / L L L L L L L L L L L L L L L L L	
Enclosures mm 0E	X OG I	Minimum Package Size (W X H) min	
Quantity	1055	Machine Weight Gross Weight	



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BOX STRAPPING MACHINE (FULLY AUTOMATIC)

ANNEXURE - I : BASIC DETAILS OF THE MACHINE

		CRIPTION		
(To be specified	by th	e supplier, if any variation) 199 (1981)		
Scope	•	Supply, Installation and Commissioning of cGMI model Box Strapping Machine (Automatic) along with connecting accessories, cables etc. at M/s HOMCO –Kerala		
Machine	:	Box Strapping Machine (Automatic)		
Model	:	*		
Arch Size (A) salds M gniggs 12	ков	850W x 600H mm (Standard) *		
Strap Cycle Speed pnips9-10019 bno	(Sec	28 cycles /60Hz, 26 cycles /50Hz per min. *		
Tension Strength	igi <mark>l</mark> e	Max. 70 kgs *		
PP Strap Width	ero al	9, 12 or 15 mm *		
Sealing method		Heat sealing *		
Capacity	:	30 Straps/min.		
Dimensions (W X D X H) mm	:	1400 X 640 X 1475 mm *		
Table Height	:	810 mm *		
Minimum Package Size (W X H) mm		100 X 30 mm * 29 w20lon3		
Machine Weight	:	220 Kgs *		
Gross Weight	914 3	265 Kgs *		

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



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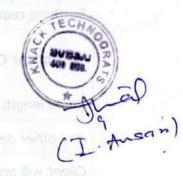
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ANNEXURE - II, III : CGMP FEATURES & OPERATIONAL FEATURES

/Pur	er, crony veries	DESCR	IPTION
	(To be s	pecified by the	supplier, if any variation)
мос	= 12.63	*15 : :	Standard Operating Voltage
Finish	:	* * *	Rating watts

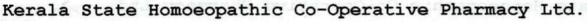
Unit should consist of following features:

- Unit should be with CKD Frame and powder paint. *
- Machine should be suitable for PP strapping. *
- Should be the most power full machine and best performance in its application. *
- Should be modular designed, aluminum alloy arch and easy to assemble and disassemble. *
- Should have Auto strap positioning and retry feeding functions enable operating of humanity. *
- > Should be convenient operating modes with panel, ball switch and foot pedal switch. *
- Should work on low voltage to prevent operators from shocking. *









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ANNEXURE - IV : ELECTRICAL DETAILS

(To be specifie		cription e supplier, if any variation)
Standard Operating Frequency	900 :00	50 Hz 90 QF)
Standard Operating Voltage		230 / 415V*
Rating watts		* • I s daine
Total power consumption	89 1 4	Unit should consist of following :*
Heater Details (If any)	odd Pun	➤ Unit should be with CKD Fran.
PLC and HMI details	dede s	× Machine should be suitable to.
VFD details (If any)	achina	* Should be the most power ful-
Tower lamp (If required)	timuis	Page 30 millionia ed bisone. s
Starter	:	*
Major Cabling details	4	* Winsown
For Main supply (In client's scope)	anlıdın	prikago (nainavaro ad bluode 4
For Main drive motor	vert s	Sussian wal so show bland?
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 in 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 : SAFETY FEATURES

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

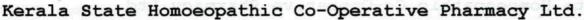
(To be spec		DESCRIPTION by the supplier, if any variation)
Vacuum	•	Plage of machine denamp 1 *
Compressed Air		Ordinary * Non-Lubricated *
Any other utilities	26. xt	To be specified and confirm by the supply

* 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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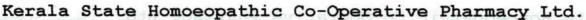
CLEANING TECHNIQUE

(housine (To be spe		SCRIPTION the supplier, if an	y variation)
Mode of machine cleaning		*	
Use of Lubricants	•	*	
All contact parts should be easily	dismantle	ed and cleanable.	Compressed Air
Drain points: Vendor should spec	cify the pip	e size and locatio	n of drain points if any required as









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ANNEXURE - VIII

MECHANICAL DETAILS

(To be speci		SCRIPTION the supplier, if any variation)
Dimension (In mm)	:	*
Net Weight (In Kgs.)		* typ bellings ad ott
Type of Packing	da konina	S Optional Hums (T. any Vandor should
Case Dimension (In mm)		*
Gross Weight (In Kgs.)	:	*
Foundation details (If required)	29U n.	F If any thems required but not included





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

DESCRIPTION

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

- Optional Items (If any, Vendor should provide the list with rate) *
- 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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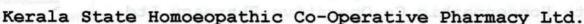
ANNEXURE - X : TRAINING REQUIREMENT

- 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/		F Training to all concern
Gear Box: Shacon/ Buonfiglio/ Delayong ed llade Inemail	ß	and Cleaning of the
Stainless Steel Sheet & Pipe: Tata / Jindal	:	*
VFD: Allen Bradly/Mitsubishi/	:	*
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 become to	2 sets	
4 = 1	Maintenance manual	2 sets	
5	Spare parts manual	2 sets	
6	All engineering drawings	2 sets	
7	List of instruments	2 sets	1 107 101 17.0
8	Calibration certificates	2 sets	
9	Warranty / Guarantee	2 sets	(g.ganno-ga
10	List of all components with referencing	2 sets	aulseimeluis
11	Civil foundation drawings	2 sets	netteoffication
12	Pre installation requirements 100150009qa 1A	2 sets	noiselmno2
13	Installation requirements	2 sets	Submission
14	Installation manual	2 sets	Drawings / g
15	Technical literature, data sheets and equipment catalogues	2 sets	The supplier
16	DQ, IQ, PQ documents.	2 sets	Catalogue, 6
17	Calibration Report of all sensors, controllers, PLC, transmitters, indicators etc.	2 sets	with quotation
18	Test Certificates of all material of construction	2 sets	* To be speci
19	Test Certificates of the software used in machine control / monitoring system.	2 sets	TECH



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ANNEXURE - XIII : TERMS AND CONDITIONS

Delivery Period	9,0	E *84 diddins and 31 shaupt of 342 in 18 to 352
Payment Terms (10) beligge	e jid	As mentioned in tender.
Packaging and forwarding	:	By Vendor
Un-loading at site	•	By vendor /Supplier (If required, help for the arrangements of unloading can be done by client) Installation in position by the vendor
2.565		under the client's supervision
Excise / Taxes /GST	:	The street of th
Material for Trial arrangement	:	* (To be arranged by client)
Installation and Commissioning	:	By Vendor
Submission of documents and drawings		
Response to URS and submission of quotation	:	Within 1 week
Submission of detail functional design specification and schematic drawings	50 191	Within a week after order finalization
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	1:	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	1:	General Arrangement
17.	SLD	1:	Single Line Diagram
18.	HOD	1:	Head of Department
19.	QA		Quality Analysis
20.	MRP		Maximum Retail Price
21.	NMT	:	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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15

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