

DATA SHEET

HLL Biotech Limited, CHENNAI

| | | | |
|------------------------|--|------------------|--|
| nne pharmaplan® | REVIVAL OF DPT VACCINE MANUFACTURING FACILITY, PII, COONOOR | |  HLL BIOTECH LIMITED <small>(Subsidiary of HLL Lifecare Limited) (A Government of India Enterprise)</small> |
| | Carton Strapping Machine | | |
| | Project No | 110831 | |
| | Equipment ID | P-CSM 01 | |
| | Document No | DS-CSM-01 | |

1 Process requirements

1.1 This equipment will be used to strap the cartons in the specified configuration

2 Technical Specifications

| | | |
|-----|-----------------------------|---|
| 2.1 | Model | cGMP |
| 2.2 | Type | Semi-automatic |
| 2.3 | Strapping Tension | Vendor to specify |
| 2.4 | Strapping Speed | Vendor to specify wrt below mentioned size of carton |
| 2.5 | Largest Carton Size | Not More Than 1500 mm x 500 mm (Lx W) |
| 2.6 | Quantity | 1 no. |
| 2.7 | Shipping Weight | Vendor to specify |
| 2.8 | Power Consumption, KW | Vendor to specify |
| 2.9 | Dimension (H x W x L) in mm | Vendor to specify the Dimension |

3 Material Of Construction

| | | |
|-----|--------------------|--------------------------|
| 3.1 | Body | SS 304 or Powder coated |
| 3.2 | Roller drive | SS 304 |
| 3.3 | strapping material | polypropylene (PP) strap |
| 3.4 | Belt drive | Clean room compliant |

4 Specific requirments

| | | |
|------|---|--|
| 4.1 | Carton Straping Machine should be suitable for strapping the cartons with below mentioned dimensions in specified configuration | |
| 4.2 | DIMENSION (-) | Not More Than 1500 mm x 500 mm (Lx W) |
| 4.3 | Instant-heating systems shall be provided with high safety. | |
| 4.4 | Simple adjustable strap guide shall be provided to accommodate required strap width. | |
| 4.5 | It shall be easy to adjust tension from low to high. | |
| 4.6 | Infeeder shall be designed to load the cartons manually | |
| 4.7 | Suitable cutting mechanism to be provided for the strapping material. | |
| 4.8 | Suitable control system shall be provided to control the strapping speed and other settable parameters. | |
| 4.9 | Equipment should stop with alarm if the infeed is empty for continuous 5 minutes. | |
| 4.10 | Strapping material roll shall be designed for easy loading in minimal time. | |
| 4.11 | Alarm shall be generated if the strapping material is empty. | |
| 4.12 | Training / Demo for the users on operation and cleaning to be provided. | |

5 Other Requirements

5.1 NA

6 Regulatory aspects

6.1 NA

7 Safety requirements

7.1 Noise level should be below <75 dB.

7.2. Heat given out of the equipment should be stated.

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8 Documents

Following documents, but not limited to these, are expected from the vendor as part of the supply package in hard copy as well as editable electronic file

| | |
|-----|---|
| 8.1 | Operation and maintenance manuals shall be provided along with IQ and OQ documents during installation at site |
| 8.2 | Calibration certificate of critical instruments with respect to the traceable national reference standard instrument and their calibration procedure. |
| 8.3 | All equipment warranty should be valid for one year from the date of completion. |
| 8.4 | Vendor should provide list of standard spare parts with ordering information. |
| 8.5 | Vendor should provide list of change parts (if applicable) with ordering information |

9 Timelines

9.1 Not applicable

NOTE: Accurate size and technical specification need to be mentioned by the vendor.

| AFI Approved for Enquiry | | AFO Approved for Ordering | | | | |
|--------------------------|------------|---------------------------|------------|--------------------------|--------------------------|-----------|
| Rev | Date | Completed By | Checked By | AFI | AFO | Sheet 1/2 |
| 02 | 2016-07-14 | TUSS | SDBB | <input type="checkbox"/> | <input type="checkbox"/> | |

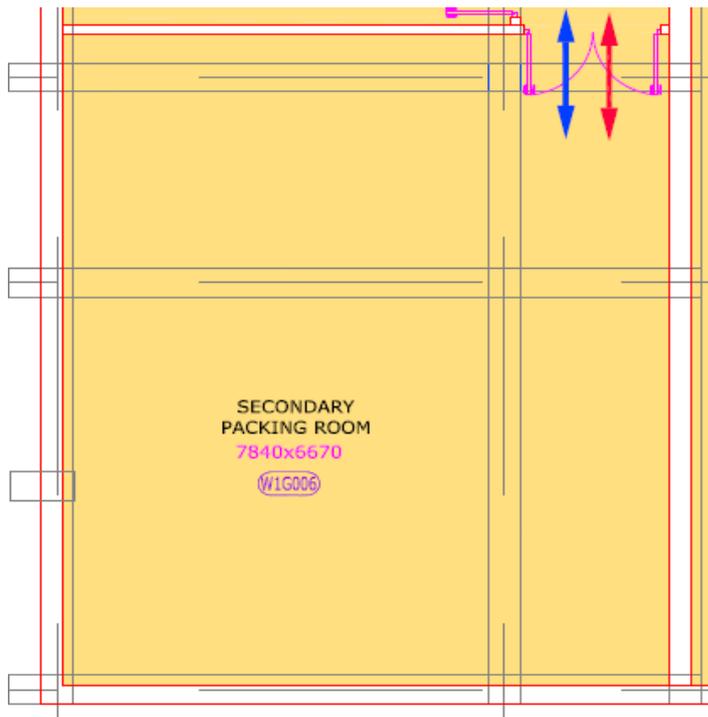
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TABLE NO: 1 (Equipment location)

| EQUIPMENT ID | Block Name | Room Name | Room No | Room dimension |
|--------------|------------|------------------------|---------|----------------|
| P-CSM 01 | Warehouse | Secondary Packing room | W1G006 | 7840 x 6670 |



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|--------------------------|------------|--------------|---------------------------|--------------------------|--------------------------|-----------|
| 00 | 2016-07-14 | TUSS | SDBB | <input type="checkbox"/> | <input type="checkbox"/> | |
| Rev | Date | Completed By | Checked By | AFI | AFO | Sheet 2/2 |