

**DATA SHEET**

**HLL LIFECARE LIMITED, CHENNAI**

**REVIVAL OF BCG VACCINE  
LABORATORY, GUINDY, CHENNAI**

**DEDUSTING TUNNEL**

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PROJECT #:	110729
EQ. ID #:	FG-DDT 01
DOCUMENT # :	DS/FG-DDT 01

**1 Process requirements**

1.1 It is used for removal of dust particles.

**2 Technical Specification**

2.1	Model	Vendor to specify	
2.2	Overall Area (cu. Mm)	2300 (w) x 1300 (d) x 2050 (h) mm	
2.3	Chamber Dimension	Vendor to specify	
2.4	Container/ Box Dimension	Vendor to specify	
2.5	Machine Compliance	cGMP compliance	
2.6	Class of Cleanliness	Class CNC	
2.7	Electrical	Vendor to specify	
2.8	Pre Filter	(20 micron)	
2.9	Exhaust Filter	G-4 (10micron)	
2.10	Main supply Filter	F-6 (5 micron)	
2.11	Roller Conveyor with motor (infeed)		
2.12	Rollers Dimension (L x W)	(L≈approx. 500-600 mm) x (W≈ vendor to specify)	
2.13	Roller Conveyor with motor (middle)		
2.14	PBC (packing belt conveyor) Dimension (L x W)	Vendor to specify	
	Motor	Power (Kw):	RPM:
2.15	Roller Conveyor (outfeed)		
a	Rollers Dimension (L x W)	(L≈approx. 600 mm) x (W≈ vendor to specify)	
2.16	Suction blower Motor		
	Make: Crompton Greaves/ ABB/ GE/ Siemens/EBM-PAPST/Nicotra	Power (Kw):	RPM:
2.17	Booster/ Blower Motor		
	Make: Crompton Greaves/ ABB/ GE/ Siemens/EBM-PAPST/Nicotra	Power (Kw):	RPM:
2.18	Air flow rate	Vendor to specify	
2.19	Operating Pressure	Vendor to specify	
2.20	Quantity	1no.	



**3 Material Of Construction**

3.1	Outer Frame of the machine	SS 304, min 240 grit
3.2	Chamber	MS painted/powder coated
3.3	Roller Conveyor rolls	SS
3.4	Conveyor assembly	MS painted/powder coated
3.5	Motor fans	Aluminum Impellers
3.6	All welds shall be ground finish	

**4 Specific requirement**

4.1	Motor Blower shall be statically and dynamically balanced for less vibration and noise level. Mounting: spring suspension system to take care of vibration and noise.
4.2	2 nos. Magnehelic gauge shall be provided for pressure measurement (pressure drop) and for filters.
4.3	On/ off switch for motor blower and light.
4.4	Tunnel shall be provided with fluorescent lamp suitable to provide 400 lux level.

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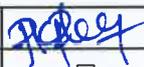
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4.5	Visual Notification system :a) audio alarm for motor,b) clean down timer with indication,c) audio alarm system for pressure drop across the filter.				
4.6	Polyvinyl curtains shall be provided on the both sides to avoid doors and interlocking. Air curtains at material receipt side to be provided and interlocked with the start of conveyor				
4.7	Access Panel shall be in front and side wise for the maintenance.				
4.8	Machine will be surrounded with Grade "CNC" so vendor shall specify the intake and exhaust air flow rate				
4.9	Indicator Lamp/ LED light shall be provided on both the sides				
4.10	Approved make for filter: Camfil Farr/AAF/Freudenberg				
<b>5</b>	<b>Other requirements</b>				
5.1	Vendor shall design the perforation for air flow from the top and side wall for better cleaning				
5.2	Cleaning shall be done manually.				
5.3	Vendor to submit detailed fabrication drawing for approval before fabrication.				
<b>6</b>	<b>Regulatory guidelines / standards</b>				
	NA				
<b>7</b>	<b>Safety requirement</b>				
7.1	Following facilities must be provided to protect personnel and equipment:				
7.1.1	Emergency stop function on accessible area.				
7.1.2	Noise level below 75 decible.				
7.1.3	No sharp edges/Corners, crevices, pin holes in the process wetted parts of the equipment.				
7.1.4	In the event of equipment malfunction or loss of utilities, the unit must contain all necessary protection devices to ensure that the equipment and the product remain in a safe condition.				
7.1.5	The heat given off by the unit must be stated.				
<b>8</b>	<b>Documents</b>				
8.1	DQ Document				
8.2	IOQ Protocol				
8.3	MOC certificates				
8.4	Filter Test Certificate				
8.5	List of MAKE with certificate (to be used during fabrication of this unit)				
8.6	Comprehensive 1 year warranty from the date of completion.				
<b>9</b>	<b>Timelines</b>				
	NA				
<b>NOTE:</b> Accurate size and technical specification need to be mentioned by the vendor.					
AFI Approved for Enquiry			AFO Approved for Ordering		
			K. Satharban		
03'	2014-02-17	BKSH	SDBB	<input type="checkbox"/>	<input type="checkbox"/>
Rev	Date	Completed By	Checked By	AFI	AFO

*Handwritten signatures and notes:*  
  
  
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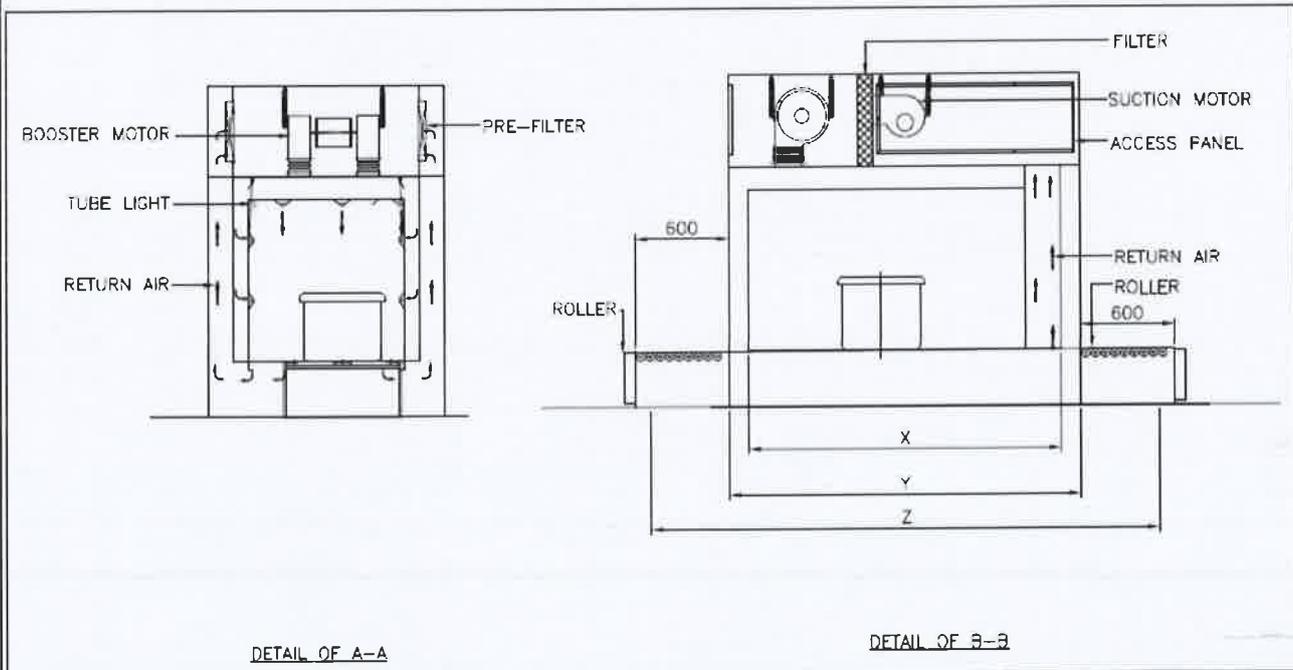
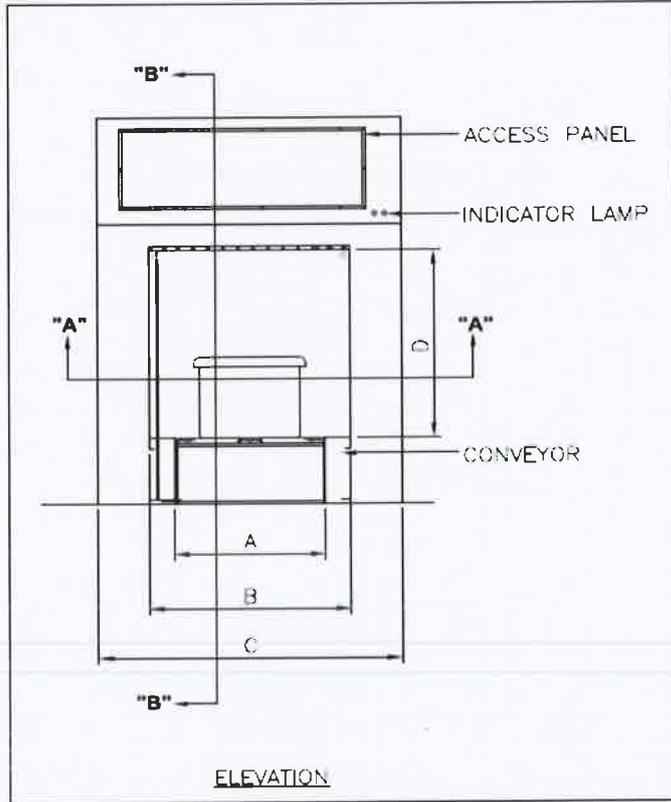
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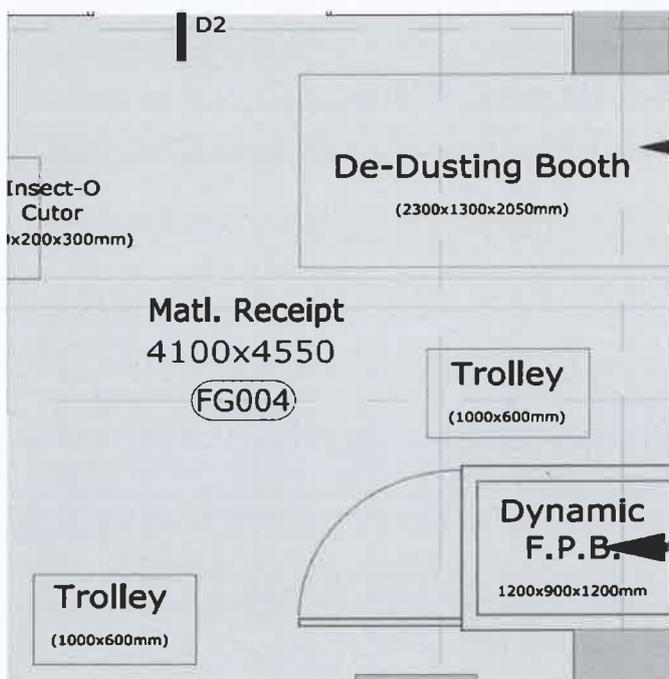
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ROOM LOC	FG-DDT 01
1	FG004 - GROUND FLOOR (FORMULATION AREA)
2	ROOM DIMENSION: L(4100mm) X W(4550mm)
3	FALSE CEILING: 2400mm



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