






DATA SHEET		
HLL LIFECARE LIMITED, CHENNAI		
	REVIVAL OF BCG VACCINE	
	Air curtain	
	PROJECT #:	110729
	EQ. ID #:	FG-ACS 01-06_WG-ACS 07-09
	DOCUMENT # :	DS/FG-ACS 01-06_WG-ACS 07-09
1 Process requirements		
1.1	It is used to control the entry of dust/ airborne particles, insects in to the room.	
2 Technical Specification		
2.1	Execution	Horizontally mounted
2.2	Length	Actual door size plus 150 mm extended on both sides of Door
2.3	Air Velocity (m/s)	18-24 m/s or According to Door height (Door Size (W x H): 1.5 m x 2.1 m)
2.4	Location	Exterior of the room
2.5	Filtration level	20 micron pre-filter
2.6	Motor	Single Phase or Vendor to specify
2.7	Blower Size	Vendor to specify
2.8	IP rating	IP54
2.9	Quantity	9 nos Ground floor 6 nos Ware house 3 nos
2.10	Shipping Weight	Vendor to specify
2.11	Power Consumption, KW	Vendor to specify
2.12	Dimension (L x W x H) in mm	For double door: (1800 x 200 x 250) or Vendor to specify For Single door: (1200 x 200 x 250) or Vendor to specify
3 Material Of Construction		
3.1	Main Body	Aluminium powder coated
3.2	Fasteners	Aluminium powder coated
3.3	Blowers	With aluminium powder coated casing and aluminium blower
4 Specific Requirements		
4.1	It should have high air velocity with evenly distributed unidirectional flow to prevent influx of dust/ airborne particles into the room.	
4.2	Air velocity of air curtains should be customized for door height as indicated above.	
4.3	Micro switch should be mounted such that the air curtain turns on as door begins to open.	
4.4	Air curtain should be provided with adjustable vanes at the discharge to direct the air flow.	
4.5	It should have corrosion proof casing.	
4.6	It should have overheat protection and built in thermostat.	
4.7	Air curtains should not have any dead zones in the air barrier.	
4.8	Preferred make for Motor Blower assembly : Crompton Greaves/ ABB/ GE/ Siemens/EBM-PAPST/Nicotra	
4.9	Approved make for filter: Camfil Farr / AAF / Freudenberg	



5	Other Requirements				
5.1	All bolts, nuts on the exterior part of equipment should be with cap head or cap nut.				
5.2	Air curtain should statically & dynamically balanced blowers for durability and smooth operation.				
5.3	All metal and metal contact points of the enclosure should be provided with neoprene rubber separator to reduce noise.				
6	Regulatory guidelines / standards				
	Not Applicable				
7	Safety				
7.1	Noise level should be below <75 dB.				
7.2	Heat given out of the equipment should be stated.				
8	Documents				
8.1	Vendor should provide operation and maintenance manual.				
8.2	Comprehensive 1 year warranty from the date of completion.				
8.3	Vendor should provide list of make with certificate.				
8.4	Vendor should provide MOC certificates.				
	NOTE: Accurate size and technical specification need to be mentioned by the vendor.				
	AFI Approved for Enquiry		AFQ Approved for ordering		
					
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Rev	Date	Completed By	Checked By	AFI	AFO

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HLL LIFECARE LIMITED, CHENNAI		
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	Air curtain	
	PROJECT #:	110729
	EQ. ID #:	FG-ACS 01-06_WG-ACS 07-09
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TABLE NO: 1

Sl no	Room no.	Room name	Room dimension in mm	Air curtain quantity
1	FG004	Matl. Receipt	4100 x 4550	1
2	FG005	Entry lobby	3000 x 5250	1
3	FG038	Technical Area Lyophilizer	10420 x 5150	1
4	FG040	Technical Area	6400 x 16500	1
5	FG042	Material Entry	2000 x 1900	1
6	FG046	Bio Waste Inactivation Room	3350 x 5800	1

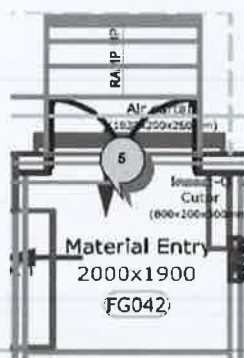
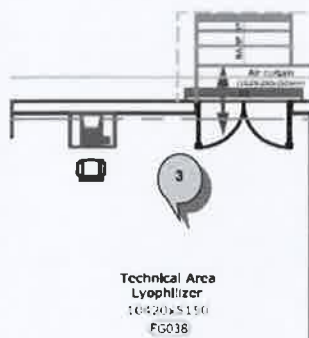
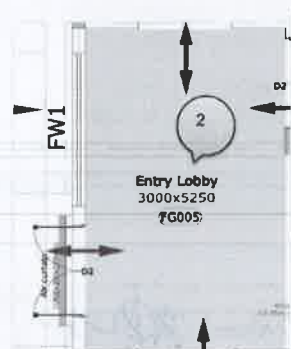
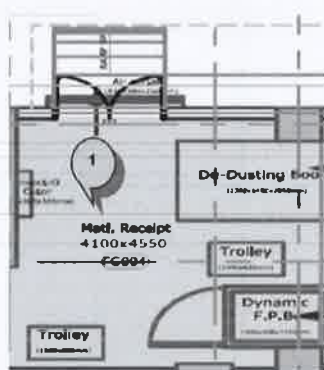
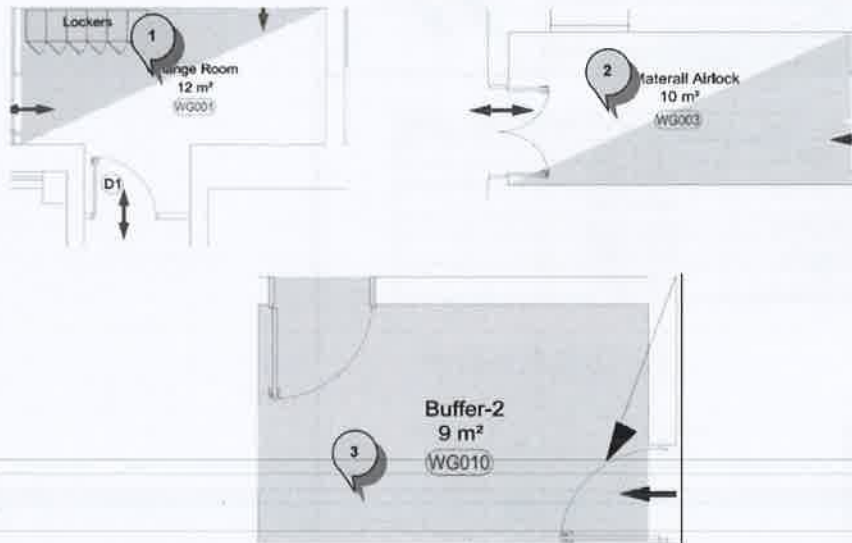


TABLE NO: 2

Sl no	Room no.	Room name	Room dimension in m ²	Air curtain quantity
1	WG001	Change room	12	1
2	WG003	Material airlock	10	1
3	WG010	Buffer - 2	9	1



		AFI Approved for Enquiry		AFO Approved for ordering	
		<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
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