

INDIVIDUALLY VENTILATED ANIMAL CAGE SYSTEM

Sr. No.	Technical Specifications	Qty
1.	<p>Air handling unit</p> <ul style="list-style-type: none"> • Able to serve 4 numbers of single sided racks or 2 numbers of double-sided racks. • Silent operating fans with high efficiency electronically communicated (EC) motor. • Fan speed adjusting automatically to meet the set value of the air change per hour (ACH) supply. • Exhaust supply and pre-filter of grade G4. • Exhaust HEPA filter of grade H14. • Programmable logic controller (PLC) with touch screen. • Option of manual mode to run the system without PLC and prevent immediate system failure during PLC error. • Option of error log and data log. • Easy selection of cage model, number of cages, ACH, positive and negative pressure mode. • Run hour counter with time-based change filter notice. • Alarm on clogging of HEPA filter. • H₂O₂ disinfection mode with data logs. • Multiple ventilator connectivity and control from computer or mobile through ethernet port, LAN connection and modem. • Data logs downloadable on computer • Power supply of 220-240V • Frequency 50-60Hz • AC supply • Noise level <50Db • 4 numbers of castor wheels. • Castor wheels make of polyurethane with nylon polyamide wheel centre with ball bearing. • 2 wheels with pad lock. • Overall dimensions of approximately 370 (W) x (560 (D) x 1540 (H) (in mm). 	1
2.	<p>IVC cages for mice</p> <ul style="list-style-type: none"> • Cage tray made of polysulfone or similar high-grade material that is can withstand constant washing and autoclaving. • Cage tray with the provision for stacking. • Cage lid fitted with valve for air supply, exhaust and water bottle inlet. • Cage lid with breather filter of approx. 0.2 micron and filter retainer plate. • Cage lid fitted with locks made of high-quality material like polysulfone for locking the lid with the cage tray. • Cage lid fitted with silicone gasket for making the lid and tray airtight. • Over all dimensions of approx. (LxWxH) 395x200x172mm. 	168
4.	<p>IVC Cage rack</p> <ul style="list-style-type: none"> • Made of ss304 material • Suitable for cage loading from single side for 56 numbers. • Rack fitted with air supply and exhaust valve made of polysulfone and silicone material. • Rack with a common rail for mounting of cages. • Duct copulers and end caps in special grade rubber construction. • Approximately 5” sturdy caster wheels made of polyurethane with 	3

	<p>nylon polyamide wheel centre with ball bearing. Two free moving and two lockable wheels.</p> <ul style="list-style-type: none"> • Flexible air hose for air supply and exhaust air connections. • Approximate dimension of the rack (LxWxH) as 1360 x 480x 1910mm 	
5.	<p>Accessories</p> <ul style="list-style-type: none"> • Water bottle 250-300ml of polysulfone or similar high-quality material with ss304 cap • ss 304 material Card holder or similar material that are autoclavable • ss 304 material cage grill 	<p>168</p> <p>168</p> <p>168</p>
6.	<p>Vendor</p> <ul style="list-style-type: none"> • Vendor should have a good track record of selling systems with at least 10 installations across India especially in institutes like IITs, IISERs, IISc, CSIR labs. • Vendor should submit at least 3 performance certificates for similar systems • Vendor should have a local presence with good track record of after sales support in Chennai 	
7.	<p>Warranty</p> <p>5 years warranty and 2 years AMC included on all the above component</p>	
8.	<p>Installation of the Cohole system must be done at IIT Madras</p>	