Technical specification of Portable Patient Isolation System(Negative)

S.N.	Purchaser's Specifications	Yes/ No	Page no in catalog	Remarks
	Portable Patient Isolation system			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.1	The patient Isolation system with canopy and filter unit. The canopy to cover the patient on a hospital bed to isolate the infected patients from others, to prevent the spread of airborne infectious diseases like SARS, MERS, Tuberculosis etc. The filter unit to take the contaminated air from the canopy (infected patient), purify it and removes aerosolized material & extracts to the room or outside			
2	**Operational Requirements**			
2.1	It shall operate on AC power supply			
3	**System Configurations**			
3.1	Electrically operated portable patient isolation system with canopy and filter unit with complete accessories			
4	**Technical Specifications**			
4.1	Patient isolation system to be used for isolating patients with contagious respiratory diseases like SARS, MERS, Tuberculosis etc			
4.2	Patient isolation system should be with canopy and filter unit			
4.3	Should be negative flow based to remove aerosol contaminated with virus and bacteria.			
4.4	Canopy should be made of Medical Grade PVC, should be transparent			
4.5	The canopy must cover the patient fully (whole bed) or partially (upper half) to isolate the individual from other. Bidders must specify the available canopy sizes.			
4.6	Canopy should have zips for easy access.			
4.7	Should have LED display			
4.8	The filter unit must take the contaminated air from the canopy, purify it at hepa-filter H14 and remove aerosolized material.			
4.9	Should have facility of monitoring the filter performance, usage timer preferred			
4.10	The filter unit should have internal disinfection facility.			
4.11	The airflow in the filter unit should be upto approx.. 100 m^3/hr			
4.12	Life of filter should not be less than 3000hrs			
4.13	Air should be delivered via tunnel connecting the canopy and filter unit.			
4.14	Sound level produced: not more than 40dB(A).			

5	**Accessories, spares and consumables**			
5.1	Canopy: Whole bed: 5 Nos Partial (upper half): 10 Nos			
5.2	Spare filter: 1 Nos			
5.3	All standard accessories/consumables/parts required for the proper operation of the above item shall be included in the offer. Bidders shall specify, in a separate Excel worksheet, the quantity and details of any items included in this offer which have not been specified in this Technical Specifications Form.			
6	**Operating Environment**			
6.1	The system offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 100V - 240V, 50/60 Hz fitted with appropriate plug.			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**			
7.2	CE (93/42 EEC Directives) or USFDA approved product certificate.			
8	**User Training**			
8.1	Must provide user training (including how to use and maintain the equipment).			
9	**Warranty**			
9.1	Comprehensive warranty for 2 years after acceptance.			
10	**Maintenance Service During Warranty Period**			
10.1	During the warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required.			
11	**Installation and Commissioning**			
11.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.			
12	**Documentation**			
12.1	User (Operating) manual in English.			
12.2	Service (Technical / Maintenance) manual in English.			
12.3	Certificate of calibration and inspection from factory.			
12.4	Must submit manufacturer's authorization letter			
	Note: The bidder must completely fill the Technical specification Form (TSF). Only yes/no/all complies should not be written. Page number in the original catalogue of all the required parameters must be clearly mentioned and specification be highlighted in the catalogue. Failure in doing so may lead to rejection of the bid from technical committee			