


Technical Specifications for Two Body Mortuary Chamber

S.NO	Description of the equipment	Vendor to Specify / Confirm	Remarks
1	Construction details		
	Two body Mortuary Chamber size (LxWxH) AND Weight:		
1	Nearest approximate size : Inner Chamber Dimension (2 mtrs X 0.7mtrs X 0.6 mtrs) (Outer Dimension : 2.7mtrs X 1mtrs X 1.5mtrs). Weight of Unit : 280 KG	Vendor to Specify	
2	Temperature to be maintained inside the chamber with cadaver :2 to 4 °C, (Ambient upto +46°C)	Vendor to Specify & Confirm	
3	The Chamber is to be constructed in double wall , the interior and the exterior of the chamber is to be made of Stainless Steel duly painted, PUF/Poly Urethane foam insulation in between the exterior and interior walls. The Chamber is to be fitted with castor wheels for ease of mobility	Vendor to Confirm	
4	Insulation :- (Minimum 75 mm thick) in between the exterior and interior should be of high density, special quality, Polyurethane foam (PUF) so as to keep the inner temperatures stored for longer periods.	Vendor to Specify & Confirm	
5	Trays for handling :- Heavy duty trays made of SS metal for holding cadaver with full extension with handles on both ends. The trays should be easily movable on nylon track rollers for ease of movability.(one tray for each chamber to be supplied)	Vendor to Confirm	
6	Special PVC rubber gasket for sealing should be mounted on double walled door.	Vendor to Confirm	
7	The mortuary chamber should be provided with independent full front opening double wall typed PUF insulated door with lining of SS(Rust proof) , door should be duly fitted on the chamber with heavy duty hinges , nickel plated handle with lock arrangement. Energy efficient lighting to be provided as per requirement	Vendor to Confirm	
8	Lock -with duplicate keys to be provided for door locking	Vendor to Confirm	
II	Refrigeration system:		
9	Heavy duty , maintenance free air cooled , independent compressor & Refrigeration system for each chamber	Vendor to Confirm	
10	Non CFC/non-HCFC environment friendly refrigerant gas	Vendor to Specify & Confirm	
11	Compressor should be hermetically sealed Scroll/ Rotary type	Vendor to Specify & Confirm	
12	Make & Model of the Compressor	Vendor to Specify & Confirm	
13	Heavy duty air cooled finned condensor with automatic condensate evaporating system (Fully with copper coil)	Vendor to Confirm	
14	Temp Controller should be Programmable Microprocessor based digital controller with LED display, and each chamber should be individually controlled without interference	Vendor to Confirm	
15	Audio visual alarm for high and low temperature,(Extend the audio alarm on the unit to outside of mortuary also,(approximate dist :10 mtrs, Required wiring is in the scope of supplier,)with potential free contacts	Vendor to Confirm	
16	Power supply : 230 V, 1 Ph, 50Hz, power consumption to be specified by supplier	Vendor to Confirm	
17	Flexible 3 core power cable of minimum 10 mtrs length	Vendor to Specify & Confirm	
18	Warranty : One year for the entire equipment after successful commissioning .	Vendor to Confirm	
19	Cleaning: Provision for drain pipe - for cleaning of unit with water / washing	Vendor to Confirm	
20	Manuals: Need to provide 'Operation and Maintenance manual' X3 sets	Vendor to Confirm	
21	Training : on the site training in Operation and Maintenance need to be provided	Vendor to Confirm	
22	Supplier experience: should have supplied at least 1 no. of mortuary unit and it should be in working condition. Relevant certificates need to be produced.	Vendor to Confirm	
23	Vendor should visit the location before submitting techno commercial bid, Pre Dispatch inspection by BHEL Technical committee will be conducted.	Vendor to Confirm	
24	<i>Transportation, Erection and Commissioning is in the scope of Vendor</i>	Vendor to Confirm	


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