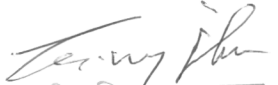


<b>Technical Specifications for Two Body Mortuary Unit</b>			
S.NO	Description of the equipment	Vendor to Specify / Confirm	Remarks
I	<b>Pre-Qualification</b>		
	Supplier experience: should have supplied at least 1 no. of low temperature Refrigeration systems (mortuary unit or Cold storage ) and it should be in working condition. Relevant certificates need to be produced.	Vendor to Confirm	
II	<b>Construction details</b>		
1	Two body Mortuary Unit <b>Comprising of two chambers:</b> <b>Nearest approximate size</b> :Each Individual Inner Chamber Dimension ( 2 mtrs X 0.7mtrs X 0.6 mtrs) , (Outer Dimension of Total unit) : 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°C to 2°C,( <b>Ambient upto +46°C</b> )	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 <b>Stainless Steel , PUF(Poly Urethane foam)</b> insulation to be provided in between the exterior and interior walls.The Chamber is to be fitted with castor wheels for ease of mobility	Vendor to Confirm	
4	<b>Insulation:-</b> Minimum 75 mm thick PUF in between the exterior and interior walls. The PUF used shall be of high density, special quality so as to maintain the inside temperature for longer periods.	Vendor to Specify & Confirm	
5	<b>Trays for handling:-</b> 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 rack rollers for ease of movability.(one tray for each chamber to be supplied)	Vendor to Confirm	
6	Special PVC rubber <b>gasket</b> 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 type PUF insulated door. The door should be duly fitted on the chamber with heavy duty hinges , nickel plated handle with lock arrangement for each chamber, Energy efficient lighting to be provided inside the chamber. The light should glow automatically when the chamber is opened.	Vendor to Confirm	
8	<b>Lock</b> -with duplicate keys to be provided for door locking	Vendor to Confirm	
III	<b>Refrigeration system:</b>		
9	Heavy duty , maintenance free air cooled , <b>independent compressor &amp; Refrigeration system to be provided</b> for each chamber	Vendor to Confirm	
10	Non CFC/non-HCFC environment friendly <b>refrigerant gas</b>	Vendor to Specify & Confirm	
11	<b>Compressor</b> should be hermitically sealed Scroll/ Rotary type	Vendor to Specify & Confirm	
12	<b>Make &amp; Model</b> of the Compressor, one Spare Compressor to be provided	Vendor to Specify	
13	Heavy duty air cooled finned <b>condensor</b> with automatic condensate evaporating system ( Fully with copper coil)	Vendor to Confirm	
14	<b>Temp Controller</b> should be Programmable Microprocessor based digital controller with LED display, and each chamber should be individually controlled without intereference	Vendor to Confirm	
15	<b>Audio visual alarm for high and low temperature,(Extend the audio alarm on the unit to outside of mortuay also.(approximate dist :10 mtrs, Required wiring is in the scope of supplier.)</b>	Vendor to Confirm	
16	<b>Power supply</b> : 230 V, 1 Ph, 50Hz, power consumption to be specified by supplier	Vendor to Specify & Confirm	
17	Flexible 4 core <b>power cable</b> of minimum 10 mtrs length for incoming power supply	Vendor to Confirm	
18	<b>Warranty</b> : One year for the entire equipment after successful comissioning .	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	
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	<b>Transportation, Erection and Commissioning is in the scope of Vendor</b>	Vendor to Confirm	

  
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