

## Specification for Moque Department

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## 1. Mortuary Chamber-2 Bodies

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	<b>Mortuary Chamber-4 Bodies</b>			
	<b>Manufacturer</b>			
	<b>Brand</b>			
	<b>Type / Model</b>			
	<b>Country of Origin</b>			
<b>1</b>	<b>Description of Function</b>			
1.1	Mortuary – to store 2 Cadaverous/bodies			
<b>2</b>	<b>Operational Requirements</b>			
2.1	Supply, installation, testing and commissioning of four bodies Mortuary Chamber unit having following specification with 2 to 6 °C storage temperature.			
<b>3</b>	<b>System Configuration</b>			
3.1	The system consists of: <ul style="list-style-type: none"> <li>• Mortuary Chamber-2 Bodies</li> <li>• CFC free refrigeration system</li> <li>• Display</li> <li>• PUF insulation</li> <li>• Mortuary Tray, stainless steel</li> </ul>			
<b>4</b>	<b>Technical Specifications</b>			
4.1	Inner Body: 20 SWG 304 quality SS sheet Outer Body: 18 SWG 304 quality SS sheet			
4.2	26 G, Stainless steel exterior front, 24 G exterior pre-painted CRCA sheets, hinged door and locking system, pre-fabricated polyurethane foam (PUF) insulation with thickness of 80-100mm.			
4.3	Condensing Unit: Air Cooled condensing unit of ½ TR capacity on automatic control			
4.4	Refrigerant: 134A			
4.4	Controls in the condensing unit: HP, LP control, solenoid, thermostat			
4.5	Expansion device TXV			
4.7	Insulation: Polyurethane foam(PUF) with thickness of 80-100mm.			
4.8	Number of Doors: Two Lockable, standard hinged door with double gasket seal between the door and the cabinet Front opening.			
4.90	Body tray with sliding mechanism made of SS: Two			
4.11	Control Display: Temperature, ON and OFF light indicators, voltmeter			
<b>5</b>	<b>Accessories, spares and consumables</b>			
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
<b>6</b>	<b>Operating Environment</b>			
6.1	The product 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: 220-240V/ 50 Hz AC Single phase fitted with appropriate plugs to meet purchaser's country requirements. The power cable must be minimum 3 metres long.			
<b>7</b>	<b>Standards and Safety Requirements</b>			
7.1	Must submit ISO13485:2003/AC:2007 <b>AND</b>			
7.2	CE or USFDA approved product certificate.			
7.3	Electrical safety conforms to standards for electrical safety IEC 60601-1 (General requirement for Electrical safety of Medical Equipment).			
<b>8.</b>	<b>Installation and Commissioning &amp; User Training</b>			
8.1	Supplier must accomplish proper installation and commissioning of the equipment onsite.			
8.2	Must provide user training (including how to use and maintain the equipment)			
<b>9</b>	<b>Warranty &amp; Maintenance Service During Warranty Period</b>			
9.1	Comprehensive warranty for 1 years after acceptance			
9.1	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required			
<b>10</b>	<b>Authorization</b>			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
<b>11</b>	<b>Documentation</b>			
<b>11.1</b>	User (Operating) manual in English			
<b>11.2</b>	Service (Technical / Maintenance) manual in English			
<b>11.3</b>	List of important spare parts and accessories with their part numbers and costing.			
<b>11.4</b>	Certificate of calibration and inspection from factory.			
<b>11.5</b>	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

## 2. Stretcher

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	<b>Dead Body Transport Carrier</b>			
	<b>Manufacturer</b>			
	<b>Brand</b>			
	<b>Type / Model</b>			
	<b>Country of Origin</b>			
<b>1</b>	<b>Description of Function</b>			
1.1	Required for transfer of dead body.			
<b>2</b>	<b>Operational Requirements</b>			
2.1	Non-motorized system is required.			
<b>3</b>	<b>System Configuration</b>			
3.1	Stretcher, complete unit.			
<b>4</b>	<b>Technical Specifications</b>			
4.1	Shall be able to transport dead bodies from cold storage to autopsy table and then to the relative waiting area.			
4.2	Length shall be from 75 inches to 85 inches.			
4.3	Width shall be from 25 inches to 35 inches.			
4.4	Height shall be from 30 inches to 35 inches.			
4.7	Shall be able to bear the weight of dead body ( up to 200 kg).			
4.8	Can be easily cleaned with ordinary detergent and shall be resistant to fumigation chemicals and cold temperature.			
4.9	Shall be durable and have bumpers to protect the carrier from accidental bumping on the walls of autopsy hall and body storage racks.			
<b>5</b>	<b>Accessories, spares and consumables</b>			
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
<b>6</b>	<b>Operating Environment</b>			
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Climate, Temperature, Humidity, etc.			
<b>7</b>	<b>Standards and Safety Requirements</b>			
7.1	Must submit ISO 9001 or ISO13485:2003/AC:2007 <b>AND</b>			
7.2	CE or USFDA approved product certificate.			
<b>8</b>	<b>User Training</b>			
8.1	Must provide user training (including how to use and maintain the equipment).			
<b>9</b>	<b>Warranty</b>			
9.1	Comprehensive warranty for 1 year after acceptance.			
<b>10</b>	<b>Maintenance Service During Warranty Period</b>			
10.1	Standard warranty conditions are applicable.			
<b>11</b>	<b>Installation and Commissioning</b>			
11.1	Must supply preassembled unit ready to use.			
<b>12</b>	<b>Documentation</b>			
12.1	User/Technical/Maintenance manuals to be supplied in English.			

### 3. Deionisation plant for Water Treatment

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	<b>Deionisation plant for water treatment</b>			
	<b>Manufacturer</b>			
	<b>Brand</b>			
	<b>Type / Model</b>			
	<b>Country of Origin</b>			
<b>1</b>	<b>Description of Function</b>			
1.1	Water softener system			
<b>2</b>	<b>Operational Requirements</b>			
2.1	Water Treatment			
<b>3</b>	<b>System Configuration</b>			
3.1	Water Treatment			
<b>4</b>	<b>Technical Specifications</b>			
4.1	Water deioniser / RO plant of capacity 20L/hr			
4.2	Shall supply with storage tank of 200L			
<b>5</b>	<b>Accessories, spares and consumables</b>			
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
<b>6</b>	<b>Operating Environment</b>			
6.1	The system offered shall be designed to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 220 – 240 V AC, 50Hz fitted with appropriate plug. The power cable must be at least 3m in length.			
<b>7</b>	<b>Standards and Safety Requirements</b>			
7.1	The supplier must prove that their design and production facilities are accredited to ISO 9001/EN46001 or ISO 9002/EN46002 or internationally acceptable equivalent			
7.2	CE or USFDA approved product certificate.			
<b>8</b>	<b>Installation and Commissioning &amp; User Training</b>			
8.1	Supplier must accomplish proper installation and commissioning of the equipment onsite.			
8.2	Must provide user training (including how to use and maintain the equipment)			
<b>9</b>	<b>Warranty &amp; Maintenance Service During Warranty Period</b>			
9.1	Comprehensive warranty for 2 years after installation			
9.2	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required			
<b>10</b>	<b>Authorization</b>			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
<b>11</b>	<b>Documentation</b>			
11.1	User (Operating) manual in English			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
11.2	Service (Technical / Maintenance) manual in English			
11.3	List of important spare parts and accessories with their part numbers and costing.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

#### 4. Refrigerator for Pharmacy

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	<b>Refrigerator for Pharmacy</b>			
	<b>Manufacturer</b>			
	<b>Brand</b>			
	<b>Type / Model</b>			
	<b>Country of Origin</b>			
<b>1</b>	<b>Description of Function</b>			
1.1	Refrigerator with freezing compartment maintains two distinct temperature zones. The refrigerator zone is for chilling above zero and freezer zone is for sub-zero temperatures.			
<b>2</b>	<b>Operational Requirements</b>			
2.1	Refrigerator is required to operate at temperatures from +2 °C to +8 °C and Freezer to operate between -10 °C to – 20 °C.			
2.2	Floor standing model, preferably double door with lock and handle supplied with two keys.			
<b>3</b>	<b>System Configuration</b>			
3.1	The system consists of: <ul style="list-style-type: none"> <li>• Refrigerator with freezing compartment CFC free</li> <li>• Floor standing model</li> <li>• Digital display</li> <li>• Adjustable shelves/drawers</li> <li>• Alarm system</li> <li>• Voltage corrector/stabilizer</li> <li>• Temperature data logger</li> </ul>			
<b>4</b>	<b>Technical Specifications</b>			
4.1	Gross Volume: approx. 250 litres.			
4.2	Corrosion resistant construction, preferably stainless steel.			
4.3	Type: Compression Cycled, CFC-Free Refrigerant (both for refrigeration and insulation), R134A, cooling coil of copper.			
4.4	Compressor: Power saver compressor.			
4.5	It shall have adjustments for uneven bases. The adjustments shall be easy to use like rotating a screw on the legs of the base.			
4.6	Spill proof adjustable shelves/drawers. Bidder to specify the number of shelves/drawers to be offered.			
4.7	It shall have microprocessor based control system with digital display.			
4.8	Individual display for temperature inside the freezer and the refrigerator.			
4.9	Alarm for Low/High temperature inside freezer and the fridge.			
4.10	Frost free system.			
4.11	Internal illumination.			
4.12	Alarm: Door locks/door open alarm, low/high temperature inside freezer and refrigerator.			

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<b>5</b>	<b>Accessories, spares and consumables</b>			
5.1	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.			
<b>6</b>	<b>Operating Environment</b>			
6.1	The product 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: 220-240VAC, 50Hz fitted with appropriate plug type D round 3 pins. The power cable must be minimum 3 metres long.			
6.3	Shall provide Voltage corrector/stabilizer of appropriate ratings.			
<b>7</b>	<b>Standards and Safety Requirements</b>			
7.1	Must submit ISO 9001 or ISO 13485:2003/AC: 2007 <b>AND</b>			
7.2	CE or USFDA approved product certificate.			
<b>8</b>	<b>Installation and Commissioning &amp; User Training</b>			
8.1	Supplier must accomplish proper installation and commissioning of the equipment onsite.			
8.2	Must provide user training (including how to use and maintain the equipment)			
<b>9</b>	<b>Warranty &amp; Maintenance Service During Warranty Period</b>			
9.1	Comprehensive warranty for 1 year after installation			
9.2	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required			
<b>10</b>	<b>Authorization</b>			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
<b>11</b>	<b>Documentation</b>			
11.1	User (Operating) manual in English			
11.2	Service (Technical / Maintenance) manual in English			
11.3	List of important spare parts and accessories with their part numbers and costing.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			