

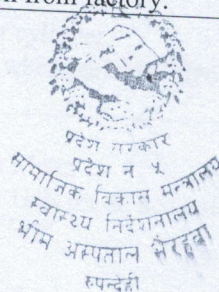
**Technical Specification of Cylinder, Oxygen, 10L (with Trolley, Flow Meter and Bubble Humidifier)**

S.N.	Purchaser's Specifications	Bidder's Offer	Remarks
	<b>Cylinder, Oxygen, 10L (with Trolley, Flow Meter and Bubble Humidifier)</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	Oxygen cylinder for medical use.		
<b>2</b>	<b>Operational Requirements</b>		
2.1	Oxygen cylinder steel with Flow Meter and Bubble Humidifier		
<b>3</b>	<b>System Configuration</b>		
3.1	Oxygen cylinder, 10L with Flow Meter and Bubble Humidifier		
<b>4</b>	<b>Technical Specifications</b>		
4.1	Seamless steel Oxygen cylinder with "Bull nose"-valve		
4.2	Water Capacity: 10L		
4.3	Working pressure: 15MPa(150bar)		
4.4	Testing Pressure: 250bar		
4.5	Shall have a gauge to measure the cylinder pressure.		
4.6	<b>Trolley:</b> <ul style="list-style-type: none"> <li>The trolley must have MS tubular frame work and SS base.</li> <li>Heavy duty epoxy coated washable paint finish.</li> <li>Two large, minimum 100mm good quality wheels with rubber or similar rims.</li> <li>To hold F and E size (one filled cylinder at once) of medical Nitrous Oxide cylinder.</li> <li>Chain retention mechanism for cylinder.</li> <li>To be self-standing and stable when parked with or without cylinder.</li> </ul>		
4.7	<b>Flow Meter:</b> <ul style="list-style-type: none"> <li>Back Pressure Controlled Flow Meter</li> <li>Sturdy and reliable Flow Meter Unit for an accurate measuring of flow of gases.</li> <li>Chromium plated Brass body.</li> <li>Metering tube and cover made of unbreakable Poly carbonate.</li> <li>Flow adjustment by Needle valve equipped with inlet filter – 100 µm.</li> <li>Flow rate range 0 – 15 litres / minute.</li> <li>Inlet pressure suitable for the cylinder.</li> </ul>		
4.8	<b>Bubble Humidifier with Safety Valve and Pressure Relief Valve:</b> <ul style="list-style-type: none"> <li>Lid made of ABS Plastic</li> <li>Jar made of Unbreakable Poly Carbonate</li> <li>Valve Brass chromium plated</li> <li>Humidifier jar must be steam autoclaveable / gas sterilizeable.</li> </ul>		
<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		



S.N.	Purchaser's Specifications	Bidder's Offer	Remarks
	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	<b>Operating Environment</b>		
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.		
7	<b>Standards and Safety Requirements</b>		
7.1	This unit shall be certified to meet ISO9001 and ISO 9809-1:2010 for seamless steel gas cylinders.		
7.2	Explosive Safety Test Certificates from IOL (Indian Oxygen Ltd.)/ Department of Explosion Government of India/ BOC (British Oxygen Company) or other national/international reputed institutions.		
8	<b>User Training</b>		
8.1	Must provide user training (including how to use and maintain the equipment).		
9	<b>Warranty</b>		
9.1	Comprehensive warranty for 1 year after acceptance.		
10	<b>Maintenance Service During Warranty Period</b>		
10.1	Standard warranty conditions are applicable.		
11	<b>Installation and Commissioning</b>		
11.1	Supplier must accomplish proper commissioning of the equipment on site.		
12	<b>Documentation</b>		
12.1	User (Operating) manual in English		
12.2	Service (Technical / Maintenance) manual in English		
12.4	Certificate of calibration and inspection from factory.		

*Umesh*  
**Er. Umesh Kumar Chaudhary**  
 NEC No.: 162-Biomedical 'A'



*[Signature]*  
 मेडिकल सुपरिटेन्डेंट