

Specification of oxygen cylinder

S.N.	Parameters	Technical Specification	Remarks
1	Description of Function	Medical use	
2	Operation requirement	Steel oxygen cylinder for hospital use	
3	Technical specifications	Capacity: minimum 40L	
		Should have medical grade certification	
		should be seamless steel oxygen cylinder with bull nose	
		Working pressure should be 15MPa (150 bar)	
		Testing pressure should be 250 bar	
		Should be leak proof	
		Wall thickness Minimum 5.5 mm	
		Cylinder weight: minimum 45kg	
		Should have metal cap	
		Valve uses in cylinder should be compatible with existing valve system uses in Ripumardani oxygen plant in Chhauni (supplier should provide necessary connector if needed)	
Gas filling system should be compatible with Ripumardani oxygen plant in Chhauni (supplier should provide necessary connector if needed)			
Should have cylinder key, spanner, Bar or hand-wheel to turn on/off and cylinder carry			
4	Standard and safety requirement	Explosive safety test certificate CE/Iso Certification	
5	Accessories	Each Cylinder Should have following Accessories Regulator set (should be compatible with existing cylinders-necessary connector may use) Flow meter with humidifier set face mask with necessary cannulas set	