

12000000 Chemicals including Bio Chemicals and Gas Materials											
12140000 Elements and gases											
12141900 Non metals and pure and elemental gases											
Nitrogen gas											
Selling Unit : volume-cubic meter											
S.No.	Parameters	Type	Value 1	Value 2	Value 3	Value 4	Validation/ Remark	M	F	G	Demand aggregati on
GRADES											
1	Grade	Ch	Technical (tech)	Pure				√	√		
REQUIRMENTS											
2	Oxygen, percent by volume, Max	N	0.001	0.5				√	√		
3	Hydrogen, parts per million, Max	N	5	NA				√	√		
4	Carbon dioxide, parts per million, Max	N	5	NA				√	√		
5	Other carbon compounds, determined as CO ₂ , parts per million, Max	N	5	NA				√	√		
6	Carbon monoxide, parts per million, Max	N	Nil	NA				√	√		
7	Moisture, g/m ³ , at 21 kg/cm ² , Max	N	0.01	NA				√	√		

Packing & Marking										
8	The gas shall be supplied compressed in cylinders. The design of the cylinders, pressure of gas in the cylinders, packing, marking, painting, labelling and transport of cylinders shall be in accordance with the Gas Cylinder Rules, 1940, with such modifications as may be ordered from time to time by the Chief Inspector of Explosives, Government of India or other duly constituted authority	Ch	Yes						√	
9	The product may also be marked with Standard Mark	Ch	Yes						√	
10	The use of the Standard Mark is governed by the provisions of the Bureau of Indian Standards Act, 1986 and the Rules and Regulations made thereunder The details of conditions under which the licence for the use of Standard Mark may be granted to manufactures or producers may be obtained from the Bureau of Indian Standards	Ch	Yes						√	
11	Cylinders for compressed Nitrogen gas shall carry a label indicating water capacity of cylinder and declared volume by the supplier at reference condition of temperature and pressure	Ch	Yes						√	

12	Nitrogen gas shall be supplied in cylinder of 6-7 Cubic metre capacity owned by the supplier	Ch	Yes					√			
13	The accounting unit for Nitrogen gas shall be in cubic meter at reference ambient condition of 27 degree Celsius temperature and 1 atm pressure (760mm Hg)	Ch	Yes					√			
Certification											
14	Conforming to IS:1747(Latest)	CH	YES					√			
15	Whether ISI Marked	CH	YES	No				√	√		
16	CM/L Number(Must declare if ISI Marked)	CH	Text	NA				√	√		
17	Valid explosive license is required	Ch	Yes					√			
18	Valid explosive license No.	Text						√			
19	Date of issue of Valid explosive	Text						√			
20	Date upto which explosive license is valid	Text						√			
21	Explosive License to be submitted to the Buyer on Demand write NA if Test report is not available	Ch	Yes	NA				√	√		
Test Report Details											
22	Availability of Test Report from Central Govt/NABL/ILAC accredited lab to prove conformity to specification	Ch	Yes	No				√	√		
23	Test Report to be submitted to the Buyer on Demand write NA if Test report is not available	Ch	Yes	NA				√	√		
Specification for Gas Cylinders:											

24	Gas cylinders shall conform to Gas Cylinder Rules, 1981, any other rules applicable currently and to specification approved by the Chief Controller of Explosives, Government of India	Ch	Yes						√			
25	Cylinders will conform to gas cylinder rules and will be duly approved by the Controller Explosives, Nagpur	Ch	Yes						√			
26	All cylinders are required to be examined and tested periodically as per the Gas Cylinder Rules, Responsibility for compliance with this rests with the seller, who will carry out test as may be required	Ch	Yes						√			
27	All cylinders are required to be painted as and when necessary to the appropriate colour-code specified in the Gas Cylinder Rules, 1981. Responsibility for compliance rests with seller, who will carry painting or as may be required under the rules	Ch	Yes						√			
28	It will be firm's responsibility to possess valid Explosive Licenses for manufacturing and storing till safe delivery of Industrial Gases to the DDOs/Consignees during the operation of the Rate contract.	Ch	Yes						√			

Examination of Cylinders and porous substances

29	This shall be carried out by contractor as per Gas Cylinder Rules, 1981 and as laid down in Red tariff No 20	Ch	Yes					√			
30	Damage to Cylinder and parts there of- The price accepted include the prices of the damages to valves/cylinders in the prices of gases as responsible of enroute damages and supplying of the gas in sound cylinders as per Gas Cylinder Rules,1981 would rest with seller in the absence of anyinspection of the same. They will also take care of the proper loading/unloading of the cylinders and briefing /training of consignees in the handling of cylinders	Ch	Yes					√			
31	Assessment of damages at the consignee's end- The Contractor's representative while lifting the cylinders from the consignees end will check the cylinder/accessories etc, for damages and intimate the same to the consignee. The payment on account of damage parts will be made to the seller directly by the consignee	Ch	Yes					√			
Guarantee/Warranty											
32	The period of Guarantee/Warranty shall be 12 months from the date of receipt of stores by consignee	Ch	Yes					√			