

Annexure-V
Compliance report

(I) Name of Instrument : Liquid Nitrogen Pressurized Cylinder

Sr. No.	Specification of e-Tender	Specification of Bidder/Vendor	Deviation (Yes/No)	Remarks
1	Gross Capacity : 200 liters			
2	Working Fluid : Liquid Nitrogen			
3	Configuration : Vertical			
4	Inner material of cylinder : Stainless steel			
5	Outer material of cylinder : Austenitic stainless steel			
6	Transfer line fitting type : Standard			
7	Insulation : Super vacuum insulation			
8	Construction : It should be double walled and vacuum jacketed			
9	Max allowable working pressure : 22-26 kg/cm²			
10	Design temperature : - 196°C to + 40°C			
11	Set pressure of the cylinder : 15 kg/cm²			
12	Static evaporation rate: Maximum 3% per day of net volume			
	OTHER IMPORTANT REQUIREMENTS			
1	Vent valve : Required (3/8" NPT)			
2	Liquid fill and withdrawal valve : Required (3/8" NPT)			
3	Gas withdrawing valve : Required (3/8" NPT)			
4	Pressurizing valve : Required (3/8" NPT)			
5	Safety valve : Required (1/4" NPT)			
6	Bursting disc : Required (set pressure 30 bar)			
7	Pressure gauge : Required (0-35 bar)			

8	Capacitance type digital level gauge : Required			
9	Evacuation port cum safety device : Re- quired			
10	Combined pressure regulator cum safety device : (1/4" NPT)			
11	Support Structure: Heavy-duty foot ring and large diameter handling ring with four support for the easy movement			
12	Pressure relief valve : Required			
13	Vacuum warranty : 2-year minimum			