

## 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	<b>Gross Capacity</b> : 200 liters			
2	<b>Working Fluid</b> : Liquid Nitrogen			
3	<b>Configuration</b> : Vertical			
4	<b>Inner material of cylinder</b> : Stainless steel			
5	<b>Outer material of cylinder</b> : Austenitic stainless steel			
6	<b>Transfer line fitting type</b> : Standard			
7	<b>Insulation</b> : Super vacuum insulation			
8	<b>Construction</b> : It should be double walled and vacuum jacketed			
9	<b>Max allowable working pressure</b> : 22-26 kg/cm <sup>2</sup>			
10	<b>Design temperature</b> : - 196°C to + 40°C			
11	<b>Set pressure of the cylinder</b> : 15 kg/cm <sup>2</sup>			
12	<b>Static evaporation rate</b> : Maximum 3% per day of net volume			
	<b>OTHER IMPORTANT REQUIREMENTS</b>			
1	<b>Vent valve</b> : Required (3/8" NPT)			
2	<b>Liquid fill and withdrawal valve</b> : Required (3/8" NPT)			
3	<b>Gas withdrawing valve</b> : Required (3/8" NPT)			
4	<b>Pressurizing valve</b> : Required (3/8" NPT)			
5	<b>Safety valve</b> : Required (1/4" NPT)			
6	<b>Bursting disc</b> : Required (set pressure 30 bar)			
7	<b>Pressure gauge</b> : Required (0-35 bar)			

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