

**Tenders are invited for setting up a large liquid nitrogen vessel and supply of liquid nitrogen.
The details are listed below:**

1. A Vacuum Insulated Vessel (VIV) of Capacity 4000 Liters (minimum) of liquid nitrogen designed to meet the standard safety requirements should be established in IISER Mohali.
2. The VIV should be constructed of carbon steel (outer shell) and SS304 (inner shell).
3. The insulation of the VIV filling should be perlite or similar material.
4. All the required accessories including the ports and valves, safety devices, level monitors should be installed.
5. The VIV should be equipped with appropriate hard-ware for filling up high pressure liquid nitrogen dewars as well as regular nitrogen containers (capacity: 15 liters to 200 liters).
6. The vendor should also provide maintenance of the vessel on a regular basis and whenever required. The price for 5 years of comprehensive warranty should also be quoted separately.
7. The vendor should design and make a drawing of the entire facility and obtain the necessary approval from relevant authorities and hand over the approved drawing to IISER Mohali for necessary site preparation.
8. Initially all the required approvals will have to be obtained by the vendor.

The vendors must send quotations in two bid system. The quotation should include the price of the VIV, its maintenance and the price of liquid nitrogen (per liter) including taxes and delivery charges (in case the vendor of the vessel also supplies liquid nitrogen). The vendors are encouraged to send multiple proposals for review.

Singh