

INDIAN INSTITUTE OF TECHNOLOGY KANPUR
Department of Physics
Central Cryogenics Facility

Enquiry No: PHY/LHE/2017-2018/2

Nov. 06, 2017

Enquiry Letter for fabrication of High purity helium gas Quads/Bank with brand new empty gas cylinders.

The Central Cryogenics Facility, Department of Physics, IIT Kanpur invites quotation for fabrication of high purity helium gas cylinder quads/bank having brand new empty gas cylinders for transportation and filling of sixteen gas cylinders as one unit. The Specifications are given below.

- Each Quads should hold 16 Cylinders(4x4 matrix). The Cylinders for the quads will be provided by vendor.
- Brand new empty helium gas cylinder having the specification as per IS 7285(Part 2):2004. OD-232mm:length-1450mm: thickness 5.4mm , water capacity of 50Ltrs and working pressure -204 kgf/cm²
- The company should provide original CCOE and necessary test certificate of all brand new cylinders.
- Quads should provide two common valves for all 16 cylinders.
- It should be strong enough to sustain wear and tear of transportation and lifting.
- Company should provide some security arrangement in both quads, so that cylinders will not interchange during refilling.
- It should contain hook arrangement at corners of the top for lifting in crane and also fork lift platform arrangement at bottom.
- The company should provide the testing certificate for all tubes, fitting & valves with necessary safety parameters.
- Provide detail of drawing of the quads, Gauge of steel used and weight of the empty quads.
- Quad/bank should not have odd dimension. It will easily mobilize anywhere via normal good carrier.
- All cylinders and fitting should be leak proof and initially purged and cleaned by high purity (99.995+) helium gas.
- 2 year warranty on all parts of the quads.
- The delivery period of the new quads should be mentioned

We will be ordering a minimum of 2 quads of the above description. Since we are an academic institution and based on the quantity we are ordering, your offer must consider a suitable institutional discount. Please send sealed offer latest by Nov.20th, 2017 to the undersigned.

Prof. Satyajit Banerjee
Convener
Central Cryogenics Facility
Department of Physics
IIT Kanpur-208016