



# भारतीय प्रौद्योगिकी संस्थान कानपुर

## INDIAN INSTITUTE OF TECHNOLOGY KANPUR

भौतिकी विभाग  
DEPARTMENT OF PHYSICS

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Enquiry No:PHY/LHE/2013/1

Feb. 06, 2013

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

The Central Cryogenics Facilities, 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. The Cylinders for the quads will be provided by vendor.
- Brand new empty gas cylinder having water capacity of 46.7 or 50Ltrs
- The company should provide original CCOE and necessary test certificate of all 32 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.

Since we are an academic institution, your offer must consider institutional discount. Please send sealed offer latest by Feb.20<sup>th</sup>, 2013 to the undersigned.

Thanking you

(Anjan K Gupta)

Convener  
Central Cryogenics Facilities  
Department of Physics  
I.I.T., Kanpur-208 016 (India)