

Indian Institute of Technology, Delhi
Centre for Energy Studies

Nov. 26, 2012

NOTICE INVITING QUOTATION

Please submit separate technical and commercial bids in sealed envelopes for the Turbo Molecular Pumps (TMP). Your sealed quotations addressed to Dr.R.Narayanan, Centre for Energy Studies, Indian Institute of Technology, Delhi, Hauz-Khas, New Delhi-110016 should reach latest by Monday, December 17, 2012, 5:00 pm.

The minimum technical specification desired for the pumps are as follows.

1. Turbo Molecular Pump (~700 l/s) Qty: One

Pumping speed for N₂ ~ 650 – 700 l/s, Compression ratio for N₂ >1·10¹¹, Ultimate pressure: < 1·10⁻⁷ mbar, Maximum N₂ throughput ~ 6.5 mbar l/s, Fore vacuum max. for N₂: 11 mbar, Mounting orientation–Any, Inlet flange: DN 160 ISO-K with inlet screen, Outlet flange: DN 25 ISO-KF, Pump cooling: Air and water, Magnetic field tolerance: at least 40 – 45 Gauss, low vibrations, high reliability and maintenance free operation.

Display Control Unit for above pump (230V, 50Hz input), 3 m long cables from controller to pump and power cable with appropriate centre rings, O-rings and clamps.

2. Turbo Molecular Pump (~300 l/s) Qty: One

Pumping speed for N₂ ~250 – 300 l/s, Compression ratio for N₂ >1·10¹¹, Ultimate pressure: < 1·10⁻⁷ mbar, Maximum N₂ throughput: ~ 5 mbar l/s, Fore vacuum max. for N₂: 15 mbar, Mounting orientation–Any, Inlet flange: DN 100 ISO-K with inlet screen, Outlet flange: DN 16 ISO-KF, Cooling: Air and water, Magnetic field tolerance: at least 40 – 45 Gauss, low vibration, high reliability and maintenance free operation.

Display Control Unit for above pump (230V, 50Hz input), 3 m long cables from controller to pump and power cable with appropriate centre rings, O-rings and clamps.

TERMS AND CONDITIONS:

- Kindly give your quote preferably on FOB basis.
- Quotation should be valid for at least 3 months from the date of issue
- Applicable taxes should be explicitly mentioned.
- **Comprehensive warranty** for three years or more shall be given preference.
- Specify other terms & conditions such as payments, delivery etc.
- Institute reserves the right to reject any quotations without assigning any reason thereof.