

Enquiry No: ChE/NV-Fur/Dec/
Last date: Dec 26, 2011

Dated: December 15, 2011

Dear Sir/Madam:

Quotations are invited for purchase of **High Temperature (1600 °C) Vacuum Tubular Furnace** having following specifications:

SPECIFICATIONS :

- (i) Working Temperature: **1600 °C**
- (ii) Inner Diameter of tube: **60 mm**
- (iii) Uniform Hot zone: **150 mm or more**
- (iv) Automated (PID) Programmable Temperature Controller having at least **10 programs of 16 segments** each.
- (v) Should have provision for Inert Gas injection system with flow meters.
- (vi) Arrangement for Vacuum Evacuation system for vacuum upto **10⁻² Torr** by appropriate and suitable pumping systems .
- (vii) Arrangement for cooling of flanges.
- (viii) Should have over limit temperature limiter using second thermocouple.

Gas Supply Network: Consisting of Powder coated cabinet for three gas cylinders, Three double stage regulators, Gas manifold, Particle Trap, Moisture Trap and Hydrocarbon traps for each line and

Following details must be provided:

- (ix) Dimensions of the furnace with its photograph
- (x) Necessary power requirement, water requirements and compressed air should be clearly mentioned.
- (xi) Attach a list of consumables (if any) with prices.
- (xii) Quote must include installation and training
- (xiii) AMC charges after completion of Warranty Period

Terms & Conditions:

1. Prices should be FOB.
2. Warranty should at least be for three years after installation.
3. Validity of quotation should be at least for 60 days.

Kindly send your best offer (Technical & Commercial) so as to reach us on or before Dec 26, 2011 to the following address-

Prof Nishith Verma
Department of Chemical Engineering
IIT Kanpur – 208016
India