

INDIAN INSTITUTE OF TECHNOLOGY KANPUR
Center for Environmental Science and Engineering

Enquiry No. IITK/CESE/NV/2018-19/1

Date: May 17, 2019

Sub: Quotations invited for CVD Furnace

Techno-commercial quotations are required for the supply of a CVD furnace, as per the specifications indicated below. Please provide contact addresses.

The sealed quotations (separately for technical and price bidding) should be addressed to Prof. Nishith Verma, ChE and sent to the below-address latest by May 31, 2019.

Name of the Equipment: Vacuum Tube Furnace CVD System

Maximum Temperature: 1200 ° C

Continuous working temperature: 1000 Deg C

Process Chamber: Inconel

Heating Tube Size: ID 100 mm X 105 mm OD X Length 650 mm

Heat Zone: 200 mm

Temperature Controller: PID controller for heating and cooling with temperature measurement

Vacuum: Double Stage Rotary Vane Pump to create vacuum of $\leq 3 \times 10^{-2}$ Torr

Gas Purging System: Mass flow controller with valve to control the flow inside the heating zone

PLC based manual or automatic operations with the help of Laptop

Provide footprint drawing with all dimensions

One year warranty from date of installations

Prof. Nishith Verma

Department of Chemical Engineering

Indian Institute of Technology Kanpur Kanpur - 208016 (India)

(91) (512) 2596767/7704 (Phone)

(91) (512) 2590104 (Fax)

9839 195854 (personal mobile),

nishith@iitk.ac.in,vermanishith@gmail.com (email)