Quotation Notice

No. KU/CNST/QN- 15 /2014-15

Quotations are invited for the supply of a programmable high temperature tubular furnace. Kindly quote your lowest price for the items.

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<th>Sl. No</th>
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| 1.     | Programmable high temperature tubular furnace capable of heating under flow of gas (air, N₂ or H₂S) | 1. Programmable tubular furnace with maximum attainable temperature of 1000°C  
2. Furnace tube size: ≈ 75 mm internal diameter, ≈ 85 mm outer diameter, ≈ 1000 mm length. Tube made of inert materials like quartz for use with reactive gases like H₂S (Hydrogen sulphide).  
3. Working atmosphere: air, N₂ or H₂S (Hydrogen sulphide) gas  
4. Uniform hot zone length: 20 cm  
5. Heating elements: suitable heating element to attain a maximum of 1000°C under reactive gases like H₂S.  
6. Insulation: Insulation using suitable material such that the temperature on the outer wall of the casing will not exceed 40°C when the temperature of the furnace inside is 1000°C.  
7. Programmer controller: Microprocessor based PID programmer cum Digital Temperature Indicator with 10 steps.  
8. Power control: Thyristor Power control for Programmable PID.  
9. Temperature controller accuracy: ± 1°C.  
10. Thermo couple: Thermo couples to read the temperature (with an accuracy of ± 1°C) of the hot zone and the temperature inside the furnace 10 cm from one end. |

Sealed quotations should reach the "Honorary Director, Centre for Nanoscience and Nanotechnology, University of Kerala, Kariavattom, Thiruvananthapuram-695581 on or before 26.09.2014, 3.00 pm.

05 -09-2014

Sd/-
Honorary Director