



DEPARTMENT OF PHYSICS  
SCHOOL OF PHYSICAL, CHEMICAL AND  
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Dr. G. GOVINDARAJ  
Professor

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## 1. Name of the equipment: Tubular Furnace

### Specifications: Tubular Furnace

- Furnace Type : Horizontal
- Working Tube Dimensions : ID 60 / OD 70 mm ( approx ) Any other Size can be offered
- Total Tube Length : 750 to 800 mm
- Hot Zone Length : 100 mm
- Max. Temperature : 1050 °C
- Operating Temp. : 1000 °C
- Insulation : Ceramic Fiber
- Temperature Control : Programmable PID Controller
- Power Control : Thyristor Power Control
- Accuracy : + / - 1 °C
- Thermocouple : K Type
- Max. Power Cons. : 2.5 to 3 Kw.
- Heating Element : Kanthal A1
- Power Input : 230 V +/- 10 % Single Phase AC 50 Cys.

- **Tube End Fittings for gas Purging :**

The Working chamber Alumina Tube will be provided with End fittings made of Aluminium or SS with water cooling inlet and outlets for high temperature operation under Inert Gas/Ambient / Air.

Provisions for Gas inlet, Easy sample loading and retrieving. Acrylic Rotameter type flow meter will be provided to measure and control the Gas flow. (For two Gas)

Sealed offers complete in all respects should reach **Prof. G. Govindaraj**, Dept. of physics, Pondicherry University, Pondicherry-605014, **before 12 noon of 21 July 2014.**

  
3/7/2014

**G. GOVINDARAJ**  
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