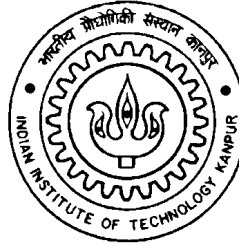


**Dr. S. Sarkar**  
*Professor*

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Date:28.01.2013

## **Enquiry letter for purchase of Hotwire**

Enquiry No: ME/SS/2013/001

**Sub: Quotation for supply of Single wire – 02 Nos. and Cross wire – 04 Nos.**

Sir / Madam,

With reference to the subject mentioned above, you are invited to submit the quotation in a sealed cover. Specifications are given below:

### **1D Wire (Single Wire)**

Material - Tungsten  
Plating - Platinum  
Prongs - Stainless Steel  
Sensor Diameter - 5 $\mu$ m  
Sensor Length - 1.250mm  
Active Sensor Length - 1.25mm  
Resistance - 3.400 Ohms  
Resistance Deviation 25%  
Temperature Coefficient of Resistance - 0.360%  
Leads Resistance - 0.5 Ohms  
Maximum sensor temperature - 300 $^{\circ}$ C  
Maximum Ambient Temperature - 150 $^{\circ}$ C  
Maximum Overher ratio - 0.8

### **2D Boundary Layer Cross Wire Probe Nos. 55P63 – 2 Nos. and 55P64- 2 Nos.**

**55P63 is a X-array probe, 90 $^{\circ}$ , sensor plane parallel to probe axis.**  
**55P64 is a X-array probe, 90 $^{\circ}$ , sensor plane perpendicular to probe axis**

The above cross wires should be compatible with 55H25 holder

Material - Tungsten  
Plating - Platinum  
Prongs - Stainless Steel  
Sensor Diameter - 5 $\mu$ m  
Sensor Length - 1.250mm

Active Sensor Length - 1.250mm  
Resistance - 3.400 Ohms  
Resistance Deviation 25%  
Temperature Coefficient of Resistance - 0.360%  
Leads Resistance - 0.5 Ohms  
Maximum sensor temperature - 300<sup>o</sup>C  
Maximum Ambient Temperature - 150<sup>o</sup>C  
Maximum Overher ratio - 0.8

**Terms and condition:-**

- 1. Sealed Quotation must reach to us till 08.02.2013 before 5.00PM**
- 2. The closing date has been extended until 13.02.2013, 5.00PM**
- 3. Prices should be FOR IIT Kanpur**
- 4. Please give your best quotation with educational discount.**

Best regards,

Sincerely,

(SUBRATA SARKAR)

Name of the Indenter / PI

Dept of Mechanical Engg. IIT Kanpur