



Department of Materials Science & Engineering Indian Institute of Technology, Kanpur

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Enquiry No: MOS/MSE/DM/02

Date: 03/01/2012

Closing Date: 09/01/2012

Enquiry for Heat flux transducer

We would like to purchase high temperature and low temperature heat flux transducer for our laboratory scale experimentation on water models of steelmaking tundish systems.

Following are the technical specification required for the proposed system:

(1) Heat flux transducer with accessories

(A) High temperature heat flux transducer

Maximum temperature – 1800° F

Dimensions-19.07 mm sensor diameter,
25.4 mm Flange

Thickness- 4.8mm

Nominal conductivity Sensitivity- 60W/M²,uVolt

Lead length-5 Meters.

Lead Material-Ni-Chromel

Internal Type K thermocouple

(B) Low temperature heat flux transducer

Maximum temperature – 600° F

Nominal Sensitivity- 24W/M², mVolt DC

Lead length-5 Meters.

Lead Material- High temp Teflon.

Please send your offer for the above (original signed in sealed envelope) mentioning the following:

- (1) Cost of the items including relevant accessories with technical specification in detail.
- (2) Warranty Period
- (3) Delivery time
- (4) Educational Discount available considering end use for research and teaching.
- (5) Payment terms (please mention the cost and actual applicable freight separately).
- (6) Proprietary certificate, if applicable, mentioning that the quoted items are proprietary in nature which is manufactured by your company.
- (7) Any other relevant details

The quotation along with your authorized dealer certificate should be sent at the address given below

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