

Mechanical Engineering Department

Notice Inviting Quotations

April 16th, 2012

Sealed Quotations are invited in Indian Rupees (INR) from well known MNCs or their authorized representatives for supply of branded Heat Flux Sensors, to measure both convection and radiation Heat Flux on a target surface due to flame impingement, conforming to technical specifications and prescribed terms & conditions as given hereunder. Interested parties are required to submit the TECHNICAL and FINANCIAL bids in separate sealed envelopes. Mark the two envelopes clearly as "Technical Bid" and "Financial Bid". Both the sealed envelopes should be sent in a single sealed envelope, with clearly marked as "Quotations for Heat flux sensors". The Quotations should be addressed to: Prof. Anjan Ray and submitted in Department of Mechanical Engineering, IIT Delhi, Hauz Khas, New Delhi-110016 latest by 5:00 PM on 01.05.2012.

Approximate no. of Heat Flux sensors to be purchased: 01 Nos.

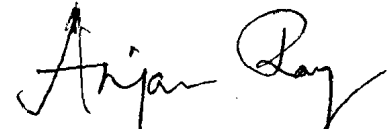
Heat flux ranges	500 kW/m ²
Calibration	NIST Traceable
Calibration accuracy	Better than $\pm 3\%$
Sensitivity	Up to 5 mV/ (W/cm ²)
Response time	Less than 5 sec
Max. temperature	Up to 700°C
Amplifier	After signal conditioning, output in 4 – 20 mA range. Amplifiers/Transmitters required to be used along with the sensors should also be provided.
Cable length	Total 3 m
Cooling	Air Cooled
Other	Sensors are to be integrated with DAS for providing the results directly in terms of heat flux.

The technical bid must include:

1. Compliance table indicating meeting of each essential specification.
2. List of similar installations done in India.

Terms and Conditions:-

1. Please quote prices at FOB/CIF New Delhi, inclusive of installation charges.
2. Special discount/rebate wherever admissible keeping in view that the supplies is being made for Educational purpose in respect of Public Institution of national importance may please be indicated.
3. Normally no advance payment will be made. Payment will be made after successful installation and testing of software.
4. Vendor should attach the relevant product brochure/leaflet for the model quoted.
5. Validity of the quotation should be at least 2 months.
6. Taxes, Terms and Conditions should be clearly mentioned.
7. In case the items are proprietary products of the company, a proprietary item certificate stating the same may be provided.
8. The institute/committee has the right to accept or reject any bid or all quotations without assigning any reasons.
9. If the bidder is Indian agent, the agency certificate should be enclosed.



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