



SPEED POST

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त्वरित डाक
SPEED POST

**SARDAR VALLABHBHAI NATIONAL
INSTITUTE OF TECHNOLOGY, SURAT-395 007.**

No. DoME/CIM Lab/44611/2022-23

Date 28/12/2022

To,
Institute website

29 DEC 2022

SUB: - Enquiry for Infrared Temperature Sensor.

Dear Sir,

You are requested to quote your prices for supply of stores listed overleaf. The quotations may be sent to the undersigned in a sealed envelope and subscribed as: "Quotation with reference to Enquiry No. DoME/CIM Lab/44611/2022-23 dtd 28/12/2022. Your quotation should reach the undersigned on or before **16/01/2023 at 5:00 pm.**

The quotations should be furnished with the following information.

- 1) The brand or make of each item should be specifically stated and wherever necessary, Complete set of specifications and dimensions should be given.
- 2) If asked, samples are accompany the quotations
- 3) Sales tax, General tax, Central Sales tax, Custom duty, Insurance charges, Packing and Forwarding charges, if not included in the prices quoted, should be clearly specified.
- 4) The period of validity of the quotation should be at least 45 Days. Offers subject to prior sale may please be avoided.
- 5) The delivery period is to be clearly mentioned in the quotation.
- 6) The mode of delivery of the stores may be mentioned. The delivery should be F.O.R. Surat or at the Institute.
- 7) All concessions available to an educational institution should be specified and also taken into account while quoting.
- 8) This Institute is located within the limits of S.M.C. & exempted from the paying of octroi duty on incoming goods from outside limits of S.M.C.
- 9) This Institute is registered with the dept. of scientific & industrial Research (DSIR) for the purpose of availing custom duty exemption & central excise duty exemption, and hence the certificate to this effect will be issued wherever it is necessary on demand.
- 10) Payment is normally made by cheque drawn on the S.V.N.I.T. Branch Office of State Bank of India, Surat-395007 within a period of thirty days from the date of receipt of stores.
- 11) Your specifications & terms- conditions should be as per the format attached, must be on your company letterhead & signed by an authorized person.
- 12) Offered quotation may be rejected if any ambiguity is found in offered specifications, terms & conditions supplied by party in specified tabular format.
- 13) The Director reserves the right to accept stores, which are not strictly in confirming with the specifications but otherwise, found suitable.

Yours faithfully,


Head, Mech. Engg. Dept

Specification

Sr. No.	Item Name																
1.	<p>Infrared temperature Sensor</p> <p>Description: The infrared temperature sensor is used to measure the temperature of solid or liquid bodies without contacting the surface of the body with the help of radiation.</p> <p>Compatibility: The sensor must be compatible to following: Metals including Aluminum, Steel & Steel alloys, Titanium alloys, Magnesium alloys and other widely used metals. Nonmetals like ceramics, plastic, and composites.</p> <p>Required Specification</p> <table border="1"> <tbody> <tr> <td>Temperature range</td> <td>-20 to 1000 °C</td> </tr> <tr> <td>Accuracy</td> <td>Up to 2% of readings</td> </tr> <tr> <td>Repeatability</td> <td>Up to 1% of reading</td> </tr> <tr> <td>Minimum Emissivity</td> <td>0.2</td> </tr> <tr> <td>Supply Voltage type</td> <td>DC</td> </tr> <tr> <td>Configurable parameter</td> <td>Emissivity</td> </tr> <tr> <td>Dust and Water resistant</td> <td>IP65 or Higher</td> </tr> <tr> <td>Working Temperature range</td> <td>0 to 60 °C</td> </tr> </tbody> </table> <p>*The Infrared Temperature Sensor should be supplied with necessary data logging system along with compatible software. The data must be able to download in popular spreadsheets.</p>	Temperature range	-20 to 1000 °C	Accuracy	Up to 2% of readings	Repeatability	Up to 1% of reading	Minimum Emissivity	0.2	Supply Voltage type	DC	Configurable parameter	Emissivity	Dust and Water resistant	IP65 or Higher	Working Temperature range	0 to 60 °C
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