



भारतीय प्रौद्योगिकी संस्थान
INDIAN INSTITUTE OF TECHNOLOGY
(काशी हिन्दू विश्वविद्यालय)
(BANARAS HINDU UNIVERSITY)
रासायनिक अभियांत्रिकी एवं प्रौद्योगिकी विभाग
DEPARTMENT OF CHEMICAL ENGINEERING & TECHNOLOGY
(वाराणसी - २२१००५) Varanasi - 221005

Ref: ChE/2022-23/Vs/ABSTC/021

04 January 2023

ANNEXURE-I

DEPARTMENT OF CHEMICAL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY (B.H.U.) VARANASI

ENQUIRY

Due Date: 25 January 2023

Date: 04 January 2023

Dear Sir,

Please submit your lowest quotation for supplying the under-mentioned items. The quotation must reach us before the date marked above and should contain the following information:

1. Full specification and make of the item offered and its rate F.O.R. Varanasi/C.I.F. New Delhi.
2. Sales tax at a concessional rate as applicable to the educational institution.
3. Your sales tax registration number and T.A.N. number.
4. Conditions of supply and terms of payment.
5. If you are a manufacturer of the item or if you have a proprietary right over it, please mention it in the quotation and provide a certificate.
6. Please mention your agency commission in Indian currency. If applicable (in case of imported items).
7. Please give an undertaking as per annexure-I-B

The quotation must be sent in a **sealed envelope** with the word "QUOTATION", our reference number, and the due date as given above clearly marked over it to the address: **Dr. Vijay Shinde, Assistant Professor, Department of Chemical Engineering, Indian Institute of Technology (B.H.U.) VARANASI 221005.**

Technical Specifications: Induction Bar End Heater

1. Induction Heater and circuit board.

Type: Induction furnace

Operating temperature range: 25-650 °C

Ramp rate: 20°C/min

Coil material: Copper tube

Material: Mild Steel

Furnace coil diameter ID: 45 mm

Induction bar end heater length: 25 cm

Power rating: 1-2.5Kw

Power source: Electric

Automation grade: Automation

Frequency: 50-60 Hz Input voltage

Surface treatment: Powder coated



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DEPARTMENT OF CHEMICAL ENGINEERING & TECHNOLOGY
(उच्चानुशीलन केन्द्र एवं डी एस टी प्रायोजित 'फिस्ट' विभाग)
(CENTRE OF ADVANCED STUDY & DST DEPARTMENT UNDER FIST)
(वाराणसी - 221004) Varanasi - 221005

Phase:3 Phase
Warranty:1 Year

2. P.I.D.-based Control Panel and temperature thermocouples
Temperature controller,
Operating temperature: Ambient
Type: K-type
Temperature range: 25-800 Deg C
Cooling system: to enhance the efficiency of the induction effect (max 50deg C).

HOD/COS/PI