

**DEPARTMENT OF CERAMIC ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY
(BANARAS HINDU UNIVERSITY)**

ENQUIRY

Ref: IIT (BHU)/CER/2016-17/DK/ENQ/377/QTN/

Due Date: 20/02/2017
(Last date of quotation receiving)

Date: 06/02/2017
(Date of Tender enquiry)

To

Dear Sir,

Please submit your lowest quotation for supplying the under mentioned items. Quotation in duplicate 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/CIF New Delhi.
2. Sales tax at concessional rate as applicable to educational institution.
3. Your sales tax registration number and TAN number.
4. Conditions of supply and terms of payment.
5. If you are a manufacture of the item or if you have proprietary right over it, please mention it in the quotation and provide a certificate.
6. Please mention your agency commission in Indian Rs., if applicable (in case of imported items).
7. Please give undertaking as per annexure-I-B

Quotation must be sent in a **sealed envelope** with word "QUOTATION", our reference number, and due date as given above, clearly marked over it.

Sl. No.	ITEM	Approx. Qty.
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SPECIFICATIONS OF SEEBEK COEFFICIENT MEASURING INSTRUMENT

Temperature range

Room temperature to 1000°K

Measurement method:

Seebeck coefficient: Static dc method Electric resistance: Four-terminal method

Sample Holder

Sandwiched between two circular electrodes, mounted on the upper and lower block

Atmosphere

Inert, reducing, oxidising, vacuum Low pressure helium gas recommended

Sample size

2 to 4 mm square or diameter 6 to 22mm long (maximum)

Distance between temperature probes

4, 6, 8 mm

Optional

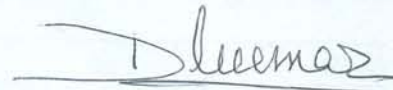
Two stage rotary pump 2 x 10E-3mbar Water cooling unit

P.T.O.

Specific Measuring ranges and resolutions	Minimum Requirement
Temp. Range	-RT-1000K
Heating rate	0.01 – 10 K/min
Temp.precision	+/-1.5K + or -0.25° %
Sample size	2 to 4 mm square or diameter × 6 to 22 mm long max
Measuring Range	
Seebeck coefficient	0 – 0.5 mV/K up to 0 – 250 mV/K (resolution: 10 nV/K)
Electric Resistivity	0 – 0.2 Ohm up to 0 – 2.5 kOhm (resolution: 10 nOhm)
Resolution	
Seebeck coefficient	10-100nV/K (nV = 10E-9V)
Electric Resistivity	10nOhm (nOhm = 10E-9 Ohm)
Accuracy	
Seebeck coefficient	+/-7%Semiconductor Metal
Electric Resistivity	+/-10%Semiconductor Metal
Repeatability	
Seebeck coefficient	+/-3-5%
Electric Resistivity	+2-5%
Vacuum	10 ⁻⁴ will be preferred
Measuring time Vacuum 10E-3mbar	<4 s per local data point

N.B.: Other terms & conditions pertaining to item mentioned above, shall be mentioned below:

The Sealed quotation will be opened on 21st February, 2017 at 3:00pm in the office of The Head, Department of Ceramic Engg., IIT(BHU) (this is mandatory in case of e-publishing).



(Head of the Department)
Department of Ceramic Engineering
 सिरामिक अभियान्त्रिकी विभाग
Indian Institute of Technology (B.H.U.)
 भारतीय प्रौद्योगिकी संस्थान (का०हि०वि०वि०)
 Varanasi-221005/वाराणसी-२२१००५

INDIAN INSTITUTE OF TECHNOLOGY (BHU) VARANASI

TO BE RETURNED

Following proforma should be filled in and duly signed by the firm and sent alongwith the quotation. (Please refer to the detailed instructions/notes before filling this proforma).

1. Validity of the offer :
2. Approximate Delivery Period :
3. (a) Whether rates have been quoted F.O.R. site and covers packing forwarding and insurance charges. : YES / NO
- (b) If not, please mention the same :

4. (a) Whether the prices are inclusive of Sales Tax and other taxes. : YES / NO
- (b) If not, kindly specify the amount / rate :

5. If the Sales Tax is charged extra, declaration for charging Sales Tax correctly attached. : YES / NO

6. (a) Whether supply will be made directly or through any Local / Regional / Authorized Dealer / Stockist : Directly/Stockist/Authorized Dealer
- (b) If through a Stockist / Dealer: -
 - (i) Name and full address of the Party :
 -
 - (ii) Whether the order to be placed with the : Principal / Stockist / Dealer
 - (iii) Who will raise the bill : Principal / Stockist / Dealer
 - (iv) Cheques will be drawn in favour of : Principal / Stockist / Dealer
 - (v) Whether any Delivery, Packing and Forwarding : YES / NO

Charges will be payable to local Stockist/Dealer: (Please specify the amount/percentage etc, if any)

7. Our terms of payment (Please indicate your preference by a (✓) mark). Please note that no other payment terms are likely to be accepted.

(a) For Local Firms or if the bills are raised by the Local Dealers.

- (i) 100% Payment on bill basis :

OR

- (ii) 100% payment against Proforma Invoice after receipt of materials in good condition, installation and satisfactory report.

(Only under exceptional cases)

(b) If the bills are raised by outstation Firms

(i) 100% Payment on bill basis :

OR

(ii) 100% payment against Proforma Invoice after receipt of materials in good condition, installation and satisfactory report :

OR

(iii) D.G.S. & D. Terms of Payment for D.G.S. & D Rate Contract items :

OR

(iv) 75% against Proforma Invoice (at site) or documents through Bank and 25% after receipt of materials in good condition, installation and satisfactory report. :

OR

(v) 90% payment against Proforma Invoice (at site) or documents through bank and 10% after receipt of materials in good condition, installation and satisfactory report (Only under special Circumstances). :

8. Whether any Excise Duty is payable on the items. : YES / NO
If yes, indicate the amount / percentage. :%

9. Whether any installation charges are payable extra. : YES / NO
If yes, amount to be specified. :

10. Whether any discount for educational institution offered on the printed price list of the manufacturer. : YES / NO
Please mention the amount / percentage. :

11. Whether the product is on DGS &D/D.I. Rate contract. : YES / NO
If yes, please enclose a photocopy of the same. :

12. Whether the product bears I.S.I. Mark. : YES / NO
If yes, please mention the I.S.I. License no. :

13. (a) Whether the firm is Sales Tax payer. : YES / NO
If yes, please mention the Sales Tax Numbers. :

(b) Whether the Local Dealer(s) is / are Sales Tax payer(s) : YES / NO
If yes, please mention the Sales Tax numbers of each :

14. Whether printed / authenticated price list of the Firm's Products and Catalogue etc. enclosed. : YES / NO

Signature of the Authorised Official with Seal

TO BE RETURNED WITH QUOTATION

UNDERTAKING

WE HEREBY UNDERTAKE THE FOLLOWING:

- 1.** We will not sell the product (s) to other institutions, bodies and also in the market on the rates less than those quoted by us to the Institute.
- 2.** The goods on which Sales Tax has been charged are not exempted for payment of Sales Tax under C.S.T. Act or U.P.S.T. Act or the rules made there under and the amount mentioned on account of Sales Tax on goods is not more than what is payable under the provisions of the relevant Act or Rules made there under.
- 3.** The rate of Excise Duty mentioned in the quotation is in accordance with the provisions of the rules and the same is payable to the Excise Authorities in respect of the stores.
- 4.** The goods / Stores / articles offered shall be of the best quality and workmanship and their supply will be strictly in accordance with the technical specifications and particulars as detailed in the quotation.
- 5.** The information furnished by us in the quotation is true and correct to the best of our knowledge and belief.
- 6.** We have read and understood the rules, regulations, terms and conditions and agree to abide by them.

Authorised Signatory
(Seal)