



भारतीय प्रौद्योगिकी संस्थान  
INDIAN INSTITUTE OF TECHNOLOGY  
(काशी हिन्दू विश्वविद्यालय)  
(BANARAS HINDU UNIVERSITY)

रासायनिक अभियांत्रिकी एवं प्रौद्योगिकी विभाग  
DEPARTMENT OF CHEMICAL ENGINEERING & TECHNOLOGY  
(ऊच्चानुशीलन केन्द्र एवं डी एस टी प्रायोजित 'फिस्ट' विभाग)  
(CENTRE OF ADVANCED STUDY & DST DEPARTMENT UNDER FIST)  
(वाराणसी - 229004) Varanasi - 221005

QUOTATION ENQUIRY

Ref: ChE/2019-20/QTN/ 74  
Posting Date: 20.08.2019

Tender Closing Date: 02.09.2019

Date 19.08.2019  
Tender Opening Date: 04.09.2019

Dear Sir,

Please submit your lowest rate for supplying the under mentioned items. Quotations in duplicate 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/GST at concessional rate as applicable to educational institution.
3. Your VAT/GST registration number, PAN&TAN numbers.
4. Conditions of supply and terms of payment.

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.

5. Please mention your agency commission in Indian Rs., if applicable (in case of imported items).
6. 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.

S. No.	Item	Specificatio	Qty																		
01	Muffle Furnace	Outer casing is made of thick mild steel having powder coated. Insulation by high temperature graded insulation bricks and mica powder. Heating element are made of kanthal wire. Temperature maximum working temperature 1000°C controlled by microprocessed digital temp controller cum indicator to work on 220V/440V A.C. Size inside chamber 200x200x300 mm Rating 6.0 K.W.	02																		
02	Single Distillation Apparatus	(As per IP 123 ASTM D-86 IS-1448) Electronic Regulator and Temp. indicator with gear device Insulated Ice condenser Accessories each 10 nos Distillation flask 125 ml Measuring receiver 100ml Thermometer IP 5C(-2/300° Cx1C) Thermometer IP 5C(-2/400° Cx1C)	01																		
03	Cleaveland Flash Point & Fire Point Apparatus	(As per IP 34 and IS 1448) With Electorinc digital temp. indicator and regulator Accessories Therometer 01 nos	01																		
04	Low Form Silica Crucibles and lids	<table border="1"><thead><tr><th>Cap. Ml</th><th>Height mm</th><th>Dia mm</th></tr></thead><tbody><tr><td>15</td><td>25</td><td>41</td></tr><tr><td>25</td><td>28</td><td>47</td></tr><tr><td>50</td><td>37</td><td>57</td></tr><tr><td>150</td><td>51</td><td>82</td></tr><tr><td>100</td><td>48</td><td>70</td></tr></tbody></table>	Cap. Ml	Height mm	Dia mm	15	25	41	25	28	47	50	37	57	150	51	82	100	48	70	10 Nos Each
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विभागाध्यक्ष/Head  
रासायनिक अभियांत्रिकी एवं प्रौद्योगिकी विभाग  
Department of Chemical Engg. & Tech.  
भारतीय प्रौद्योगिकी संस्थान/Indian Institute of Technology  
काशी हिन्दू विश्वविद्यालय/Banaras Hindu University  
वाराणसी - 221005



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05	Reid Vapour Pressure test apparatus	(As per ASTM 323) The vapour pressure bomb is made of brass, heavily chromium plated and consist of an air chamber and a gasoline chamber. A Pressure gauge of required range is fitted above the air chamber. The joints are made leak proff by neoprene washers. The water bath used is of such dimensions that the vapour pressure bomb remains immersed to at least 01 inch above the air chamber and maintained at a contant temp. up to 80°C ±01°C. Double test bath with two air chamber, two oil chamber fitted with pressure gauge Accessories 02 Nos each Liquid chamber with cock Spare air chamber only NP pressure gauge 0-1.0kg./Cm <sup>2</sup>	01
06	Redwood Viscometer I	(As per IP 70/57) The viscometer is designed for viscosity tests of petroleum products. They confirm to requirements of IP 70. Two adaption of red wood viscometer are available no. 1 for liquids having redwood flow 20 second to 2000 seconds and No. II for liquids whose flow time exceeds 2000 seconds Accessories Thermometer 05 nos	01
07	Carbon Residue (Ramsbottom)	(As per IP 14 IS 1448 ASTM D 524) It is made as per IP 14, ASTM 524 and IS 1448 Standard. The apparatus consists of a solid metal bath having 5 wells to accommodate cocking bulbs. The heavy heating elements are provided around the bath. Supplied with 5 cocking bulbs and one syringe Rams bottom solid state electronic digital temp. controlled PID type in separate unit.	01

A.B: Other terms & conditions pertaining to item mentioned above, shall be mentioned below:  
The sealed quotations will be opened on 04.09.2019 at 03.00 PM in the office of the Head, Department of Chemical Engineering & Technology, IIT(BHU) (This is mandatory in case of e-publishing)

Head of the Department

  
विभागाध्यक्ष/Head  
रासायनिक अभियांत्रिकी प्रौद्योगिकी विभाग  
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