



भारतीय
प्रौद्योगिकी
संस्थान
काशी हिन्दू विश्वविद्यालय



ANNEXURE-I-A
INDIAN
INSTITUTE OF
TECHNOLOGY
BANARAS HINDU UNIVERSITY

DEPARTMENT OF ELECTRONICS ENGINEERING, IIT (BHU)

QUOTATION ENQUIRY

Ref: IIT (BHU)/EC/QTN/2015-16/web-4 Due Date: 07.11.2015
Opening Date: 10.11.2015

Date: 13.10.2015

To

Dear Sir,


Please submit your lowest rate 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. You VAT/CST registration number PAN & TIN numbers.
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
8. The rates quoted should include transportation costs upto IIT (BHU) clearly mentioning the percentage/rage of sales tax or all other taxes and duties inclusive and rates should be valid for at least three months from the date of opening of quotation. **The educational discount should be separately mentioned in percent as well as in net amount.**
9. **This purchase being for teaching and research purpose, the IIT (BHU) is eligible for the payment of custom duty at reduced rates. The quote should quote accordingly.**
10. **IIT (BHU) is eligible for "Excise duty exemption". Rate should be quoted accordingly.**

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.	Name of Items with Technical Specifications	Quantity
1.	Hall Measurement System: 1. Hall Measurement System Specifications should be capable of <ul style="list-style-type: none">• Identifying N/P type nature of the semiconductor• Measuring the bulk/sheet carrier concentration of a sample in the range of $10^7/\text{cm}^3$ to $10^{21}/\text{cm}^3$• Measuring the resistivity in the range of 10^{-4} to $10^7\Omega\text{cm}$• Measuring the Hall coefficient• Measuring the Mobility of the carrier in the range of $1 \sim 10^7\text{cm}^2/\text{V sec}$• Measuring of Magneto-resistance	01 No

	<ul style="list-style-type: none"> Measuring the above characteristics at least at 300K(RT) and 77K(LN2) Measuring of the Ratio of vertical/horizontal resistance value 	
	2. Current Source and Magnetic Flux Density Specifications: <ul style="list-style-type: none"> Current Source must have a constant output current in the range of 1nA and 20mA Magnet flux density must be more than 0.5Tesla 	
	3. Computer Control Feature: <ul style="list-style-type: none"> Hall Measurement System must have automatic computer controlled measurement features System should have I-V, I-R etc. curve plotting features Software Operation Environment: Windows 7 or above. 	
	4. Sample Holder Specifications: <ul style="list-style-type: none"> Gold coated non-magnetic phosphor bronze construction Spring loaded clamps (Pogo pins) on four point to avoid sample damage. Mounting samples size 5mm x 5mm to 20 mm x 20 mm and thickness less than 2 mm. 	
	5. Measurement Materials: Semiconductors including Si, ITO, ZnO, TiO ₂ , CdSe, CdS, PbSetc.	
	6. Manual: One set of operating manual and service manual (in English) should be provided with the equipment	
	7. Training: Onsite installation and training must be provided.	
	8. Warranty: 12 months on-site warranty.	
	Optional Items: <ul style="list-style-type: none"> ➤ Sample Mounting Board for samples upto 6mm and 20mm. ➤ Indium Tin (InSn) compound for sample bonding 50gms & 100gms with 95% Indium / 5% Tin. ➤ Gold paste 2g bottle. ➤ Sample Mounting Boards with socket for mounting IC's ➤ Spring clip type sample board with measureable sample size 5mm to 20mm with 0~2mm thickness. 	


 14/10/15
HOD/COS/PI
 आचार्य व विभागाध्यक्ष/PROFESSOR & HEAD
 इलेक्ट्रॉनिकी अभियांत्रिकी विभाग/Department of Electronics Engineering
 भारतीय प्रौद्योगिकी संस्थान (का.हि.पि.)/Indian Institute of Technology (BHL)
 वाराणसी /Varanasi-221005 (INDIA)
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