

**TENDER ENQUIRY FROM
SCHOOL OF MEDICAL SCIENCE AND TECHNOLOGY
INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR- 721302**

Tel: 03222-282220

Enq. No. IIT/SMST/OTG/IRI/ENQ-13/2018-2019

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Date: 06.09.2018.

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| LAST DATE OF SUBMISSION ON | 28th September, 2018 at 03 – 00 p.m. |
| Time and Date for opening : | 28th September,2018 at 03 – 30 p.m. |

To

Subject: Request for proforma Invoice / Quotation

| Sl. No | Description of Stores | Quantity |
|--------|---|----------|
| 1. | <p>10 MHz Function Generator</p> <p>The instrument should have the below mentioned features:</p> <ul style="list-style-type: none"> ➤ Standard waveforms: Sine, Square, Ramp, Triangle, Pulse, Noise and DC <ul style="list-style-type: none"> ❖ Sine Wave <ul style="list-style-type: none"> • Frequency range: 1mHz to 10MHz • Phase Noise(10KHz Offset): -115dBc/Hz ❖ Square Wave <ul style="list-style-type: none"> • Frequency range: 1mHz to 10MHz • Rise/fall time: 20ns • Overshoot: <2% or better • Jitter(RMS): 1 ns + 100 ppm of period ❖ Ramp, Triangle <ul style="list-style-type: none"> • Frequency range: 1mHz to 100KHz • Linearity: < 0.1% of peak output • Variable Symmetry: 0.0% to 100.0% ❖ Pulse <ul style="list-style-type: none"> • Frequency range: 1mHz to 5MHz • Pulse Width: 40ns min • Variable edge time: 20ns to 100ns • Jitter(RMS): 300ps+0.1ppm of period ❖ Noise <ul style="list-style-type: none"> • Bandwidth: 7MHz • Frequency accuracy: $\pm(20\text{ppm}+3\text{pHz})$ in 1Yr or better • Resolution: 1μH(internal) • Amplitude range: 20mVpp to 20Vpp(Open Circuit) • Amplitude accuracy(1KHz): $\pm 2\%$ of setting$\pm 1\text{mVpp}$ • Amplitude Unit and resolution: Vpp, Vrms, dBm and 3 digits • DC Offset range: + 10V(into open circuit) • Accuracy: $\pm 2\%$ of offset setting$\pm 0.5\%$ of amplitude$\pm 2\text{ mV}$ ➤ Main Output <ul style="list-style-type: none"> • Isolation: 42Vpk max to earth • Protection: Short-circuit protected, overload automatically disables main output • Interface: UAB • Power Supply: 230V, 50Hz • Power Consumption: 50VA • Operating Temp: 0 to 55°C • Safety: UL-1244, CSA 1010EN61010 • EMC: MIL-461C, EN55011, EN50082-1 • Vibration and Shock: MIL-T-28800, Type III, Class 5 <p>Acoustic Noise: 30dBa</p> | 1 Unit |

Yours sincerely

(**Prof. Jayanta Mukhopadhyay**)
Department of Computer Science & Engineering,
Indian Institute of Technology Kharagpur.
Kharagpur, West Bengal, India
Pin Code: 72130

Kind Attn.: The Head, School of Medical Science & Technology

A) **RATE**: The rate quotation must be net, inclusive of packing forwarding freight and all other incidental charges . The stores are required to be dispatched by passenger train F.O.R Kharagpur or by road transport or delivery at this Institute under the suppliers own arrangement free of additional charges. The risk of damage or lose in transit if any will be the suppliers .in case the aforesaid terms are not considered acceptable, charges payable will be required to specified as advalorem of lump sum.

(B) **SALE TAX**: Rates inclusive of sales tax will be prepared. However, where quoted separately the advolorem rate payable should clearly cite in accordance with the provision of the relevant Act & Rules.

2 (A) **CONSIGNEE**: All stores are required to be consigned to the director, Indian Institute of Technology, Kharagpur -2 (S.E. Rly) West Bengal Pin – 721302.

(B) **DESPOSAL OF DESPATCH DOCUMENTS**: The Railway receipts /W.B/ Consignment Not along with the quadruplicate copy of the relevant bill tow copies of the challan should be dispatch to the Dy.Registrar (S & P) in time all wharf age / demurrage incurred if any will be

3. **DELIVERY PERIOD**: The stores are required to be delivered dispatch within fourteen days from the dated of receipts of the order .All efforts of delivery should be made ex –stock and a clear note should be inserted in case ex-stock delivery is not.

4. **QUALITY & SPECIFICATION OF STORES**: The stores offered should be of the best quality available, unless otherwise specified confirming strictly to the specification used .The Institute reserves the right to reject such stores as found unacceptable on these ground.

5. **LIQUIDATED DAMAGES**: If a firm accepts an order and fails to execute the order in full or part, as per the terms and conditions stipulated therein, it will be open this Institute to recover liquidated damages from the firm at the rate of 1% of the value of the undelivered stores per month or part thereof, subject to a maximum of 5% of the value undelivered stores. It will also be open to this Institute, alternatively to arrange procurement of the required stores from any others sources at the risk and expenses of the firm witch accepted and then failed to execute the order according to stipulation agreed upon.

6. **SUBMISSION OF QUOTATION**: All quotation must be forwarded in sealed in cover addressed to the Chairman, Purchases Committee, School of Medical Science & Technology, IIT, and Kharagpur 2 so as to reach within specified period. The reference to the Enquiry numbers and the last date for submission must clearly be subscribed on the sealed envelop. To ensure receipt of quotation in time intending suppliers are advised to mail them 7 clear days in advance if on counter offer is made in the quotation, it will be taken for granted the offers is made in the quotation, it will be taken for granted the offer is strictly in accordance with the specification and term and condition laid down in the tender notice.

7. **OPENING OF QUOTATION:** Every quotation will be opened at purchases Section on the concern Department ,IIT Kharagpur ,at time and on the date indicated in the tenders from .A firm may send its accredited representative to witness the opening if it so desires.

8. **PERIOD OF VALIDITY:** A quotation will be presented to remain valid for acceptance at least for acceptance at least for a period of 45 days from the date of opening .

9. **INCOME TAX CLEARANCE:** In case an intending suppliers has not furnished this Institute before with its Income tax Clearance Certificate (up-to-date) may furnished it with the present quotation .

10. Payment will made by crossed account payee cheque on the SBI Kharagpur normally with in 45 days from the date of receipt of bill or of the stores in good order and condition whenever is last .

11. **REJECTION OF OFFER:** The Institute reserves the right any offer including the lowest without assignment any reason.