

**Department of Physics and Astrophysics  
University of Delhi,  
Delhi 110007**

**Limited Tender Enquiry**

**Ref.No.:** DU/PHYSICS/DST/INO-2/21

**Date:** 16-04-2014

Limited tenders in separate envelopes of technical and commercial bids kept in a one sealed outer envelope are invited for the following items as per the specifications given. Your sealed quotation should reach latest by 4.00 P.M. on 9<sup>th</sup> May 2014 and are to be addressed to Dr. Md. Naimuddin, Room No. 189, Multistoried Building, Department of Physics and Astrophysics, University of Delhi, Delhi - 110007. Your tender should be superscribed "Quote for Supply of Mini X-Ray Gun" due on 9<sup>th</sup> May 2014.

**S.No. Description of items Qty.**

1. Mini X-Ray Gun - specifications enclosed as Appendix - "A"

Clarifications may be sought on Technical/Commercial aspects, if felt necessary, before deciding to place order. Price negotiations will be done only with the lowest bidder.

Yours faithfully,

(Dr. Md. Naimuddin)

**Terms and Conditions**

**Two Bid System Tender: Separate *Technical* and *Commercial* Bids** duly sealed and superscribed

(i) '*Quotations for supply of Mini X-Ray Gun to University of Delhi – Technical Bids*' and

(ii) '*Quotations for supply of Mini X-Ray Gun to University of Delhi – Commercial Bids*' shall be submitted.

**Technical quotation must contain the following:**

- (a) Quotation should be directly from Original manufacturer or authorized sales agent.
- (b) Pre-installation requirements such as gas cylinders, electrical load requirement, etc. must be specified.
- (d) Any optional accessory advised for better functioning of equipment must be specified and quoted separately.
- (e) Details on installation, commissioning & **training of equipment** must be specified.
- (g) **Certificate of compliance** with any deviation from specification must be attached.
- (l) **Original brochures and original specification sheets (from equipment manuals)** directly obtained from manufacturer must be enclosed **along with supporting data**.

**Financial Bid must contain the following:**

- (a) Prices of the quoted model should be CIF Delhi and include all taxes, delivery, installation and on-site training charges.
- (b) Guarantee or warranty conditions must be clearly specified.
- (c) Service charges per visit and AMC after warranty period must be specified.
- (d) Validity of quotation must be at least 120 days from the date of quotation.
- (e) Mode of payment is through LC/Foreign draft for foreign purchases (advance payment is not permissible). Name and address of the company on whose name the LC is to be opened should be clearly mentioned.

Institute reserves the right to order equipment with better quality over lower price and to accept or reject any or all the quotations without assigning reasons thereof.

**Appendix “A”**

## Mini X-ray Gun

### Specifications

Target Material	Silver (Ag) or Gold (Au)
Tube voltage	up to 50 kV
Tube current	5 $\mu$ A min. / 200 $\mu$ A max
Approximate Dose Rate	Ag: 1 Sv/h @ 30 cm Au: 1.3 Sv/h @ 30 cm
Approximate Flux	Ag: $10^6$ counts per second/mm <sup>2</sup> on the axis at a distance of 30 cm (50 keV/1 $\mu$ A) Au: $1.3 \times 10^6$ counts per second/mm <sup>2</sup> on the axis at a distance of 30 cm (50 keV/1 $\mu$ A)
Continuous Output Power	4 W max at 100% duty cycle
Input Voltage	12 VDC (AC adapter included)

### **YOUR OFFER**