



Chaudhary Ranbir Singh University, Jind  
(Established by the State Legislature Act 28 of 2014)  
(Recognized u/s 12-B & 2(f) by UGC Act 1956)



Invitation for Sealed Quotations for supply of Equipment for Radiation Physics Lab

CRSU/Phy/ 183

Date: 20-04-2023

To

All Interested Bidders/Firms

**Subject: Invitation of quotation(s) to supply of Equipment for Radiation Physics Lab.**

Dear Sir/Madam

You are invited to submit your most competitive quotation for the following items with the following terms and conditions:-

Sr. No	Name of item	Specifications and Brand	Required Quantity	Quoted Rates for each item including FOR
1	G.M Counting System Unit	G.M. Input (From G.M. Counter)& (a)Polarity:- Negative (b) Amplitude :- 250 mV (min)Resolving Time:- 6 micro sec (approx) EHT Output:-Variable EHT using ten turn pot upto a maximum of 1500 volts at 1mA. Line and load regulation better than0.05%.Ripple less than 20mV. Display:-20 x 2 LCD dotmatrix display has been provided to indicate data counts, Elapsed Time and HV. Modes of operation:-Preset count & preset time modes. Counts Capacity:-999999 counts Pre set time:-(0-9999)sec. Data Storage:-Upto1000 readings Command Buttons:-START, STOP, PROG, STORE, INC & DEC command buttons have been provided on the front panel keypad. Programmability:-Includes selection of Preset Time, Storing / Recalling of data, Starting and stopping of acquisition, lable assignment for data counts BG (Background), ST (Standard) & SP (sample) etc.. Printer Port:-Built-in centronics port facilities connection to a printer for direct data printing selectively. Serial Port:-USB facilities data communication to PC under programme control. Paralysis Time:-A choice of three paralysis times 250, 350 and 550 micro sec plus OFF position selected through PROG key. G.M. Socket:-MHV connector for connecting to G.M. Detector. Power:-Unit is powered works on 230V, AC, 50Hz through power/adapter which delivers +12V input to unit.	2.00	
2	G.M Tube as Detector.	Its operating voltage is approximately 500V. It has got a very wide plateau length and plateau slope is better than 6% per 100V. It is enclosed in a PVC cylindrical enclosure for protection & supplied. An MHV socket provided on one side of the PVC enclosure facilitates one to connect to detector socket on rear panel of the counting system. Application:-Suitable for Alpha, Beta & Gamma Counting. Operating Voltage:-Range:(450-600V). Tube Dimensions:-Max. over all length 2.125 inches. Max. Diameter:- 0.59inches Gas filled:-Ne + Hal. End Window:-mica 2.0 mg/cm sq. density. Gamma Sensitivity:-18 cps/mR/hr.	2.00	

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3	<b>G.M. Detector sliding bench with detector holder &amp; source holder</b>	Its consists of a bench with sliding groves with a graduated S.S scale fixed on one side of it upto 50cm/20 inches., Mouting mould For GM Tube Detector, Absorber Holder, Source Holder.	2.00	
4	<b>Aluminium Absorber Set.</b>	Set-I-Aluminium absorber discs with different thickness range 20 to 300 mg/cm. sq. Diameter-50 mm. Set-II- Aluminium absorber set consists of 15 aluminum foils with thickness 0.05 mm with supporting frame. Set-III Lead Block Rectangular	2.00	
5	<b>Soft ware for GM Counting System</b>	Data Communication software CD&USB A to B cable (For downloading data into PC)	1.00	
6	<b>Radioactive(Beta). Supplied as guidelines of Atomic Energy Regulatory Board (AERB)</b>	Beta radio active source disc is evaporated & sealed on 25mm X 10 mm thick plastic disc & covered with 10 mg/sq.cm aluminised Mylar film. 1. Tl-204. 2. Sr-90. 3. Co-60.	2.00	

### 1. QUOTATION SIGNING:-

The quotations must be signed by authorized signatory of the bidding firm/company on each page, along with seal of the firm/company, as the case may be.

### 2. Conditional Quotation:-

Conditional quotations are not acceptable. Hence, the supplier is advised neither to alter the specifications nor to mention anything on the quotation form, except cost, signature with seal, otherwise quotation will not be considered.

### 3. Delivery Destination:-

The quotations should be quoted as FOR CRSU, Jind. The transit insurance and freight charges etc, if any, needs to be mentioned separately of the basic/ex-works price of the quoted item.

### 4. Delivery Acceptance:-

The delivery of the material will be handed over to the Lab Technician, Department of Physics, CRSU, Jind. However, the goods will be deemed accepted subject to the approval by the inspection committee of CRSU, Jind in case of rejection of the consignment, the supplier should immediately remove the consignment from the university premises, failing which it will remain there at the risk and responsibility of the supplier and University will not be responsible for any kind of liability in this regard.

**5. Delivery Period:** - The supply is to be made within 15 days of the date of dispatch of the supply order. However, in case of imported goods this time limit will be 30 days.

### 6. Delivery Period Extension:-

The supply order(s) shall be executed within the time specified in this regard. However, in case of force Majure/reasons beyond control of the supplier, he may make a written request to the Vice Chancellor for grant of extension for delivery period. The written request in this regard should clearly spell out such reason..The Vice Chancellor, if he is satisfied with such reasons and further that he requested extension will not be detrimental to the interests of the university, may grant extension for a reasonable period for delivery of the goods. The supplier would be required to indemnify the University against any loss on account of downfall of the price during the extended period.

### 7. Penalty for delayed supply:-

In the event of the delayed supply, if accepted, the Registrar will be competent to impose penalty @ 1% per day of the purchase order, provided that the entire amount of penalty shall not exceed 10% of the total amount of purchase order. The supply will be deemed to be completed on the day when 100 % supply is handed over to the indenter (in case of supply in installments) and its installation is done. An appeal against these orders shall, however, lie to the Vice Chancellor whose decision shall be final.

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**8. Rejection of incomplete Quotations:-**

Incomplete quotations such as unsigned quotations, late submitted quotation, conditional quotation, quotation not confirming to the eligibility criteria and Technical specification or with any vague term such as 'Extra as applicable', will be considered as rejected.

**9. Quantity Variation:-**The quantity shall be subject to increase or decrease as the case may be.

**10. Taxation:-**

The firms on the quotation have to clearly mention that GST included or excluded.

**11. Right to Bid rejection:-**

The University reserves the right to reject any or all offers at any stage without assigning any reason.

**12. Packaging of Consignment:-**

The material should be packed in a strong case so as to avoid any damage, theft or pilferage in the transit, in which case the responsibility shall be that of the supplier.

**13. Payment:-**

The payment will be made within 30 working days of the successful delivery and its inspection.

**14. Currency:-**

The rates be quoted in Indian Rupee (INR). However, in case of imported item it may be quoted in foreign currency where in the date of opening of quotation will be taken as the conversion date for bid evaluation and comparison purpose.


**15. Schedule:-**

The quotation floating date is **20.04.2023**. The sealed quotation should reach in the office of **Registrar, Chaudhary Ranbir Singh University, Jind-126102** on or before **10.05.2023 up to 05:00 P.M.** The Interested bidder/firm may write clearly in big letters on envelope "**QUOTATION FOR Equipment for Radiation Physics Lab**". The quotation will be opened on **11.05.2023 at 10.00 am** in the office of the Chairperson, Department of Physics, Chaudhary Ranbir Singh University, Jind in the presence of the Purchase Committee. Interested bidder/firms and his/her authorized representatives can present during opening of quotations. Quotation received after last date shall not be considered. Any type of delay like postage delay etc shall be considered by the University.

**16. Arbitration:-**

In case of any dispute both the parties will be bounded by the decision of the Vice Chancellor, CRSU, Jind as the arbitrator.

**17. Jurisdiction:-** All disputes shall be subject to Jind jurisdiction.

  
**Chairperson,**  
**Department of Physics,**  
**CRSU, Jind**

The terms & conditions of quotation have been read and I/We certify that I/We clearly understand the same and undertake for its compliance

Place: \_\_\_\_\_

Dated: \_\_\_\_\_

**Signature of authorized representative of the  
bidding firm/company with seal.  
(Affix Rubber Stamp of the firm)**