

**Department of Physics**  
**University of Rajasthan, Jaipur**

Letter No.: Phy/2024/923  
Date: 5/03/2024

**TENDER NOTICE**

Sealed quotations with terms and conditions \* are invited till the due date \*\* for the purchase of item(s) mentioned below in the Department of Physics, University of Rajasthan, Jaipur.

**Item: Four Probe set up for Post Graduate laboratory:** (Approximate Cost: not more than 35,000/- Indian Rupees): A complete set up of four probe resistivity measurement for MSc laboratory students having minimum following units and specifications:

1. **Probes Arrangement:** Four individually spring-loaded probes arranged collinearly and equally spaced, Probes mounted in a Teflon bush ensuring good electrical insulation, Teflon spacer near the tips to maintain equal distance, Proper leads should be provided.
2. **Sample:** Appropriate crystal of Ge (with one extra sample).
3. **Oven:** Specially designed for Four Probe Set-Up with the following specifications: Temperature Range: Ambient to 473K or better, Resolution: 1K or better, Stability:  $\pm 0.5K$  or better, Measurement Accuracy:  $\pm 1K$  (typical) or better, Sensor: RTD (A class) or better, Display: 3 1/2 digit, 7 segment LED with auto polarity and decimal indication or better.
4. **Control Unit of Four Probe Setup:** Appropriate multirange digital voltmeter with the following specifications: Range: X1 (0-200mV) & X10 (0-2V) or better, Resolution:  $100\mu V$  at X 1 range or better, Accuracy:  $\pm 0.1\%$  or better, Display: 3 1/2 digit, 7 segment LED with auto-polarity and decimal indication or better. Overload Indicator.
5. **Constant Current Generator:** IC regulated current generator providing constant current to the outer probes with the following specifications: Open circuit voltage: 18 V or better, Accuracy:  $\pm 0.25\%$  or better, Current range: 0-20 mA or better, Load regulation: 0.05% for 0 to full load or better, Resolution: 10  $\mu A$  or better, Line regulation: 0.05% for 10% changes or better.

\*\*Due date: 19/03/2024

**\*Terms and Conditions:**

1. The Quotations not matching with specification strictly, will be discarded without any notification.
2. Mention the model number of quoted items and also provide standard full catalogue of company or link of company's website and the quoted model should be there with clear coloured photograph (if applicable) and specifications otherwise quotation can be discarded without any notification.
3. Firms are requested to give full details of the specifications, delivery and availability of quoted on the forwarding basis etc.
4. Quotations should reach this office on or before the due date\*\*. Quotations received after due date will not be considered in any case.
5. Quotations should be on the name of **Head of Department, Department of Physics, University of Rajasthan, Jaipur**.
6. Please mention the rate for C.I.F./F.O.R. Jaipur inclusive all charges and taxes separately in the quotation. As the item will be provided for an education institute and the goods will be used for the education and research purposes, so mention the GST according to rules and regulations for an educational institution for the education and research proposes.

Head, Department of Physics  
University of Rajasthan, Jaipur

**Head of the Dept. of Physics**  
**University of Rajasthan, JAIPUR**

**Copy to:**

- (1) Department Notice board
- (2) Department office
- (3) University website
- (4) Concerning person