

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

Letter No.: PHY/2021/525  
Date: 22/1/2021

**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.

**A complete Experimental Set-Up to study Lattice dynamics through electrical analogue experiments for postgraduate course in Physics having following specifications:**

1. A table top compact reliable experimental set up to study of the dispersion relation for the monoatomic lattice. Comparison with theory. Determination of the cut-off frequency of the monoatomic lattice and to study of the dispersion relation for the diatomic lattice, acoustical mode, 'optical mode' and 'energy gap'. Comparison with theory. In particular it is essential for understanding the interaction of electromagnetic waves and crystalline solids.
2. The complete experimental Set-up should consist of audio oscillator with amplitude control and facility to vary the frequency dual range from 0 to 10 KHz & 0 to 100KHz.
3. It should have built in power supply and output stage to match the impedance of simulated lattice.
4. The unit should consist of reliable in-built transmission line which should simulate one dimensional mono and diatomic lattices.
5. It should be strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
6. A reliable unit with should be provided with promise of FOR service and maintenance during warranty period.
7. It should be a shock proof unit.

**\*Terms and Conditions:**

1. Quotations do not match with specification strictly will be discarded without any notification.
2. Mention the model number of quoted items also provide standard full catalogue of company or link of company's website and the quoted model should be there with its clear coloured photograph 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, Univ. 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.

\*\*Due date: 31/1/2021

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

Copy to:

- (1) Department Notice Board
- (2) Department Office
- (3) University Website

Head of the Department of Physics  
University of Rajasthan, Jaipur