**DEPARTMENT OF PHYSICS**
**PANJAB UNIVERSITY, CHANDIGARH-160014**

**Tel. No. 0172- 2541741,**
**FAX NO. 017-2783336**

**PHS** : 6305 to 6311
**Dated** : 15/1/19

**SPEED POST**

Dear Sir,

Please quote your lowest rates in **Two Bid System (Technical bid and financial bid)** should be clearly written or typed (cutting avoided) for the item 'Fabry-Perot Interferometer', given below, specifying make, quality, period of supply of each item along with detailed information and should reach the undersigned on or before **04-02-2019 by 5.00 p.m.**

**TECHNICAL BID and FINANCIAL BID should be in separate sealed envelope with 2% EMD.**

1. **The bidders are requested to attach an EMD in form of demand draft of 2% of the total value of the Quotation/Proforma Invoice in the name of "The Chairperson, Department of Physics, Panjab University, Chandigarh" without EMD financial bids will not be entertained.** ***However, EMD is not required for quotation of the total value of Rs.1.0 lakh or below.***
2. Panjab University does not take any responsibility for any postal delay in delivery by Registered/Speed post or lost in transit of quotation.
3. Conditional and unsigned quotation will not be accepted.
4. No payment will be made on the Proforma Invoice.
5. The quotation shall not contain corrections, erasers and overwriting.
6. The undersigned reserves right to accept or reject any quotation without assigning any reason.
7. Rates quoted should be FOR Chandigarh.
8. The rates for insurance, GST, should be clearly mentioned, original receipt for the insurance charges are required along with the bill of supply.
9. Panjab University has been issued GST Identification No. (GSTIN) i.e. 04AAAJP0325R2Z0 w.e.f. 1.7.2017.
10. As per FDO circular No.2572-2771/FDOI/F-143 dated 27.9.2017 GST deduction at source at the rate of 2% (CGST 1%+SGST/UTGST 1%) or (IGST 2%) from the payments to be made or credited to the suppler or taxable goods or services or both, where the total value of such supply under a contract exceeds of Rs. 2,50,000/- with reference to the Memo No. ACLA/EA/2017/379 dated 20.9.2017 conveying the instructions of Government of India Ministry of Finance Department of Revenue, Central Tax dated 15th September, 2017. These instructions shall apply to the supplies made/to be made w.e.f. 18.09.2017.
11. We have been exempted for paying Custom Duty as well as Excise Duty Exemption in terms of Govt. notification No.51/96-Customs dated 23.7.1996 and Central Excise Duty Exemption in terms of Govt. notification No.10/97-Central Excise dt.1.3.1997 as amended from time to time is valid upto 31.08.2020. Jt. Director General of Foreign Trade has issued a new Importer Export Code (IEC) No. 2217501658.
12. Special Discount for educational institutions, University teaching department may be mentioned.
13. The quotation in a sealed envelope giving our/your reference No./Date of quotation should be sent by POST/personally.
14. The Technical bid/quotations will be opened on 05-02-2019 at 3.00 p.m. and you may depute your representative at the time of opening of quotation.

**NOTE:-** ***The above mentioned equipment is used for the research purpose only. Therefore, the above mentioned equipment falls under GST @ 5% vide Govt. of India Notification No. 47/2017-Integrated Tax (Rate) dated 14-11-2017. You are requested to charge GST in compliance to the aforesaid notification.***

Thanking you,

Yours faithfully,

Chairperson,
Dept. of Physics

Chairperson
Deptt. of Physics
P.U., Ch...h.

**Specification sheet attached:**

## FABRY-PEROT INTERFEROMETER:

| Items: | Budget Head |
|---|---|
| **FABRY-PEROT INTERFEROMETER to perform experiments:**<br>(i) To find the wavelength of monochromatic light<br>(ii) To determine the spacing between the plates of fabry perot etalon from the fringe Pattern<br>(iii) To find refractive index of a transparent material<br>(iv) To find the finesse and free spectral range (FSR) of etalon from the fringe calibration at different cavity thickness<br>(v) To study refractive index change in air under different pressures and determination of refractive index of air | "Equipment Grant (PG Teaching Lab Group) Fabry-Perot interferometer CAS-V", Dept. of Physics. P.U. Chandigarh. |
| **Components** | |
| User Manual, Dust Protective Cover | |
| Optical Rail (Length:1000 mm, Non-corrosive) | |
| Fabry-Perot Interferometer (Diameter :25 mm, Coating: Aluminium, R/T:60 : 40, Variable spacing of plates:2-8 mm variable, Least count of micrometer: 0.01 mm) | |
| Plano Convex Lens with Mount Supply | |
| Diffuser Screen with Measurement unit | |
| Diode Laser with Power supply (Red) Wave length:650 nm; Optical power:5 mW with Kinematic Laser Mount (Adjustments Range : +/-4 degrees or higher) | |
| Diode Laser with Power supply (Green) Wave length:532 nm, Optical power:5 mW with Kinematic Laser Mount (Adjustments Range : +/-4 degrees or higher) | |
| **Accessories:** | |
| Optical Breadboard (Stainless Steel), Compatible Kinematic Laser Mount, Beamsplitter (50 mm x 50 mm, Ref. / Trans. Ratio : 50 / 50), Beam splitter Mount (2 degrees of freedom), Mirror Mount with Translation (3 degrees of freedom), Pressure Cell (Length :10 cm) with gauge (Pressure Range: 0 - 300 mm Hg), Mirror Mount with Precision Translation (Micrometer least count = 0.01 mm, 3 degrees of freedom), Rotation Stage (resolution : 2° / division), Screen with Mount, Two Mirrors with Cell (Diam.:25 mm), Glass Slides (thickness ~ 1 mm) | |

Chairperson
Deptt. of Physics
P.U., Chandigarh.