

DEPARTMENT OF PHYSICS
Centre of Advanced Study in Physics
PANJAB UNIVERSITY, CHANDIGARH- 160 014 (INDIA)
(Established under the Panjab University Act VII of 1947-enacted by the Govt. of India)

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PHS :

Dated



Dear Sir,

Please quote your lowest rates in duplicate should be clearly written of typed (counting avoided) for the items list attached given below, specifying make, quality, period of supply of each item along with detailed information and should reach the undersigned on or before **28.11.2014**.

1. Rates quoted should be for Chandigarh.
2. The rates for insurance, excise duty, S.T. should be clearly mentioned, original receipt for the insurance charges are required along with the bill of supply.
3. We have been exempted from paying Central Excise Duty vide Govt. of India notification No. 10/97-Central Excise dated March, 1997. and is valid upto 31. 8. 2015.
4. Special Discount for educational institutions, University teaching department may be mentioned.
5. The present rate of S.T. applicable on the articles should be clearly mentioned.
6. The quotation in a sealed envelope giving our/ your reference No./ Date of quotation should be sent after affixing the required postage stamps.

Thanking you,

Yours faithfully,

Chairman, Physics Deptt

Name of item: Double-barrier Langmuir-Blodgett Mini Trough with LB Film Pressure Measurement & Deposition System (Detailed specification attached).

Specifications for Double-barrier Langmuir-Blodgett Mini Trough with LB Film Pressure Measurement & Deposition System

1. Double-barrier Langmuir- Blodgett Mini Trough

Double Barrier

Trough & Barrier Fully made of High Purity PTFE

Symmetric Compression

Inner Working Area: 330 mm (L) X 130 mm (W) X 5 mm (H) [12.99" (L) X 5.12" (W) X 0.22" (H)] or better

Outer Trough Dimension: 360 mm (L) X 160 mm (W) X 20 mm (H) [14.17" (L) X 6.3" (W) X 0.79" (H)] or better

Deposition Length : 60 mm or better

Trough Volume: 250 ml or better

Mini Trough

LB System Control Unit

Fully Automatic & PC-controlled

Sensor Resolution: 0.01 mg or better

Surface Pressure Range: up to 80 mN/m or better

Surface Pressure Sensitivity: Better than 0.005 mN/m or better

Surface Tension Range: up to 110 N/m or better

Surface Tension Sensitivity: Better than 0.5 mN/m or better

Mesurement Accuracy: ± 0.1 mN/m or better

Dipping & Lifting Speed: 0.5-250 mm/min or better

Dipping & Lifting Speed Resolution: 0.01 mm/min or better

Compression Speed: 0.5-250 mm/min or better

Compression Speed Resolution: 0.01 mm/min or better

Power: 220-230 V (AC); 50 Hz.

Aspirator Pump

Environmental Dust-hood

User-friendly Software

Unlimited Deposition Cycles

Unlimited Drying & Wetting Time

Unlimited Editable Programs

Real-time Display of Control Processes in Software

Compression Isotherm Recording

Pressure Area Isotherm Measurement

Surface Pressure vs. Time Measurement at Constant Area

Mono & Multi-layer Transfer to Solid Substrate

N₂ & other Inert Gas Purging Module