

Minimum Specifications for HPTLC

- **Microprocessor based fully automated Sample Applicator:** for samples to be applied as “dot” or “line” on HPTLC/TLC plates; Dosing and Filling Syringe; Fillport; memory for multiple methods; Micro-preparative application; flexible delivery rate; Resolution ≥ 2000 steps/ul; Gas pressure : >2.5 bar and < 10 bar .
- Integrated Windows based **PC-Software (WIN) compatible with Applicator:** to document, control and manage steps in HPLC analysis including application, development, scanning and photorecording; should be upgradable.
- **PC Controlled Densitometer with Scanning facility** for automatic spectrum scanning, identification / purity check and quantitative measurement; Linear and meander scanning; Software for scanner; automatic quantitative measurement of absorbance & fluorescence; Deuterium, Halogen, Mercury as Light sources; High sensitivity and High resolution photomultiplier; Dual wavelength and Multiwavelength spectrum recording; Spot Optimisation.
- 3-D display of Chromatograms; Linear and Polynomial Calibration modes; Automatic and manual peak integration; Measurements enabled by userdefined methods and user friendly software; system should be upgradable.
- **Chambers** for the chromatographic development of TLC/HPTLC plates: low solvent consumption; economical; reproducible.
- **UV-Box :** for UV detection thin-layer chromatography.
- **PC & Printer specifications required for TLC System**
Operating System Windows 7 Professional / Windows XP Professional Intel Dual Core Processor or Higher Version, 1 GB RAM, 250 GB HDD ; **Compatible Colour Printer; compatible UPS**
- Two years warranty for the system to be included in the proforma invoice

Terms & Conditions:

1. The quotations must have validity of at least three months.
2. Quotation must include insurance and air-freight charges, delivery period of the items addresses to The Indian Institute of Technology, Delhi, India(CIF, New Delhi).
3. The products will be used for educational purposes. Any applicable academic institution discounts should be offered and stated.

4. Detailed Brochures should accompany the offer.
5. If the bidder is an authorized dealer then the authorized Indian dealership certificate from the principles should be enclosed.
6. Warranty details must be given.
7. Payment will be through irrevocable letter of Credit.
8. In case the items are proprietary products of the company, a proprietary item certificate stating the same must be provided.
9. Training should be provided.
10. Institute reserves the right to accept or reject any or all the quotations without assigning reasons thereof.

Quotation (CIF, New Delhi) for HPTLC/ TLC-FID system with these specifications from various suppliers may be sent. The technical and price bids should be kept in separate sealed cover marked as "technical" and "price bids" on the top of the envelopes. Both the envelopes should be kept inside a bigger envelope marked as **Bids for TLC-FID**. The bids should be sent to Dr. S.K.Khare, Chemistry Dept. IIT Delhi, Hauz-Khas, New Delhi-110016 latest by 21 Aug, 2013, 5 PM.