

School of Biological Sciences Indian Institute of Technology Delhi

25-11-2011

Sealed quotations are invited from reputed companies or their authorized representatives for supply of one unit of **Liquid Scintillation counter** from PLN 03 budget head of the department, conforming to the mentioned technical specifications (or superior than specified) and terms and conditions as prescribed under. Interested parties are requested to submit their sealed quotations in an envelope containing the financial and technical bids in separate sealed envelopes inside. The NIQ should be marked as “Quotation for Liquid Scintillation Counter” and addressed to Co-ordinator School of Biological Sciences, Attn. to **Dr. Bishwajit Kundu**, and submitted in the reception, School of Biological Sciences, Formerly IBM Building, Block - 1A, Indian Institute of technology Delhi, Hauz Khas, New Delhi – 110016 Latest by 4pm on **December 09, 2011**.

Specifications for Liquid Scintillation Counter

- 1) Instrument should be compact & fully automated for unattended operation.
- 2) In addition of counting all beta isotopes the system should also be able to count luminescence also.
- 3) Should be able to count vials, Eppendorf tubes & micro-plates. Both vial and plate loading should be automated.
- 4) The instrument should have the capability of counting the signal from the top, from the bottom or from both top and bottom of the plate and vial in coincidence.
- 5) Should have automatic loading of the plates & vial through a robotic system or stacker.

- 6) The instrument should be able to automatically load atleast 50 mini vials & 10 micro plates for unattended operation.
- 7) Performance data for Liquid scintillation counting:
Counting efficiency:
14C- minimum 90%
3H -minimum 50%
- 8) Should be able to count samples in filter plates & also intact filter mats.
- 9) The company should have well qualified engineers & application support person in North India for prompt support. Necessary certificates must be attached.
- 10) The instrument must come with 2 sets of sample racks as well as adapter for eppendorf tubes.
- 11) The instrument must come with 1000 no's of suitable vials., eppendorf tubes and other consumable required for reading the samples.
- 12) The instrument should come with the dispenser for liquid scintillation cocktail.
- 13) The instrument must come with 5 sets of 24 and 96 well plates, filtermats and necessary accessories for placing plates and filtermats in the instrument.
- 14) The instrument must come with at least 5 liters of liquid scintillation cocktail.
- 15) The Instrument must come with necessary data station/ computer TFT screen, softwares and laser printer.
- 16) The instrument must come with Compatible UPS system.
- 17) Warranty must be 2 years after installation and one year free service followed by the warranty period.

18) Price must be quoted as F.O.B

Terms and conditions

1. Letter from manufacturer specifically to quote for this tender is to be attached for authenticity of dealership/agency and dealer should be authorized service provider.
2. Vendor should get a fresh certificate from their principal's clearly mentioning about on site comprehensive warranty for two years after installation of the systems to be delivered.
3. Special discount/rebate wherever admissible keeping in view of that the supplies is being made for Educational purpose in respect of public institution of national importance may please be indicated.
4. Vendor should attach the relevant product brochure/leaflet for the model quoted and the offered technical specification must be supported by the printed brochure.
5. Validity of the quotation should be atleast 3 months.
6. Vendor will do the installation and demonstration of the machine without any extra cost at IIT Delhi premises.
7. Taxes, terms and conditions should be clearly mentioned.
8. Proprietary certificate must be included for the item, if applicable.
9. Valid agency certificate must be included, if applicable.
10. Queries regarding the technical aspects or specification would be entertained before the last date of submission of the quotation.
11. IIT Delhi has the right to accept or reject any quotations without showing reasons.

(Dr. Bishwajit Kundu)

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