



DEPARTMENT OF BIOTECHNOLOGY
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Dr. D. KARUNAGARAN

Professor and Head

Date: 02.12.2016

Ref: BT/HOD/2016/028/SPL

Dt. 02.12.16

Due Dt.16.12.16

1. Quotations are invited in duplicate for the various items shown below/overleaf/ enclosed list.
2. The quotations duly sealed and super scribed on the envelope with the reference No. and due date, should be addressed to the undersigned so as to reach him on or before the due date stipulated above.
3. The quotations should be valid for sixty days from the due date and the period of delivery required should also be clearly indicated.
4. If the item is under DGS & D Rate Contract, Rate Contract Number and the price must be mentioned. It may also please be indicated whether the supply can be made direct to us at the rate contract price. If so, please send copy of the R.C. (Please note that we are not Direct Demanding Officers).
5. Relevant literature pertaining to the items quoted with full specifications (and drawing, if any) should be sent along with the Quotations, wherever applicable. Samples if called for should be submitted free of charges and collected back at the supplier's expenses.
6. **Local Firms:** Quotations should be for free delivery to this Institute. If quotations are for Ex-Godown, delivery charges should be indicated separately.
7. **Firms outside Chennai:** Quotations should be for F.O.R Chennai. If F.O.R. Consigner stationer freight charges by passenger train/lorry transport must be indicated. If Ex-Godown, Packing, forwarding and freight charges must be indicated.
8. The rates of Sales/General Taxes and the percentage of such other taxes legally leviable and intended to be claimed should be distinctly shown along with the price quoted. Where this is not done, no claim for Sales/General Taxes will be admitted at any stage and on any ground whatsoever. **The taxes leviable should take into consideration that we are entitled to have concessional sales tax applicable to non-government educational institutions run with no profit motive for which a Concession. Sales tax certificates will be issued at the time of final settlement of the bill.**
9. Goods should be supplied carriage paid and insured.
10. Goods shall not be supplied without an official supply order.
11. **Payment:** Every attempt will be made to make payment within 30 days from the date of receipt of bill/acceptance of goods, whichever is later.

Specification for Luminometer With Dispenser

The Luminometer with auto dispenser facility should be compact in design and should possess the following features.

It should support Glow luminescence, Flash luminescence, Dual luminescence (such as dual luciferase assays) and should have option for Dual emission luminescence (such as BRET and BRET2)

It should have a highest sensitivity through single photon counting technology and should be equipped with extremely low-noise Photo Multiplier Tube.

The instrument should support microplates upto 384 wells; Non-standard configurations should be defined in the workstation software.

The instrument should have 2 automatic reagent dispensers with user selectable volume (5-350 μ L) and should have option to upgrade additional dispensers.

In addition instrument should have the below technical specification:

- 1) Temperature Control (2°C above RT to 50°C) with high efficiency and consistency
- 2) Plate Shaking: orbital, linear and double-orbital shaking.
- 3) Performance: Sensitivity ATP typically
 - a. Flash luminescence < 20 amol/well
 - b. Glow luminescence < 2 fmol/well
 - c. Dynamic range: > 6 decades
- 4) Suitable software for the instrument control and data evaluation should be supplied along with the instrument.
- 5) In addition, the equipment should be supplied with following accessories:
 - a. White Microplates (minimum 50 nos.)
 - b. ATP measurement assay kit (minimum 10 mL)
- 6) Suitable computer should be supplied along with the instrument.

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