



**DEPARTMENT OF BIOTECHNOLOGY**  
**Indian Institute of Technology, Madras, Chennai, 600 036,**  
Telephone No.22574107, 22574101, FAX No.22574102

---

MUKESH DOBLE  
Professor and Head

Date: 17.01.2014

**Ref: BT/SMAH/2013/88/SPL**

**Dt. 17.01.14**

**Due Dt.30.01.14**

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.

## Gel Electrophoresis and its accessories: 1 NO

Electrode areas	The instrument should have Gold-plated copper electrode areas
Capacity	The unit should be capable of running 12 strips at a time of various lengths – 7cms, 11cms, 13cms, 18 cms and 24cms. The unit should have integrated peltier cooling power
Run voltage	supply up-to 10000 V in 10-V steps. The run current should be 0–1.5 mA (1 $\mu$ A/strip step)
Platform temperature	15–31°C $\pm$ 1°C (internal Peltier cooling)
Temperature gradient	1°C/min
Control panel	7-key membrane keypad
Liquid crystal display (LCD)	4 lines, 24 characters per line
Programmable parameters	Rehydration time, platform temperature, maximum current per strip, voltage limit in each step, voltage step or gradient, and step duration User-controllable settings for the platform temperature, depending on use in rehydration mode or run mode
Operating temperature	15–32°C
Operating relative humidity	0–70% noncondensing
Storage temperature	-25 to +60°C
Safety features	Automatic voltage cutoff when safety lid is opened
System Control Software	The instrument should come with system control software and it should have the capability to do 10 protocols, with up to 9 steps each, on control unit. Unlimited number of protocols in system Control Software It should Control up-to 4 system at a time

1. ECL Prime Western Blotting Detection Reagent	7 no's
2. Hyperfilm ECL 18x24cm, 100shts	5 no's
3. HYBOND-P PVDF MEMBRANE 30CM	5 no's
4. HYBOND-NX NYLON MEMBRANE 30CMX3M ROLL	1 no
5. PROTEIN A SEPHAROSE CL-4B, 25 ML	2 no's
6. GLUTATHIONE SEPHAROSE 4B, 100ML	2 no's
7. PROTEIN G SEPHAROSE 4 FF, 25 ML	2 no's
8. NI SEPHAROSE HP 100 ML	2 no's
9. TMB SUBSTRATE	5 no's

**Ref: BT/SMAH/2013/88/SPL**

**Dt. 17.01.14**

**Due Dt. 30.01.14**

**Head of the Department**