

## **ANNEXURE-A**

### **Electrophoresis and Blotting Unit technical specifications:**

- Vertical gel Electrophoresis systems with Transfer module and Power Supply
- System Should Supports both precast and handcast gel runs.
- System should have Mini size Electrophoresis system 8.3 X 7.3 cm
- Cell runs Mini 4 gels within 45 mins
- Easy setup with glass plates having permanently bonded spacers
- Perfect alignment and leak free casting
- Casting frames with simple cam closure provide precision alignment on any flat surface.
- Upgradable to western blotting and SDS-PAGE in same buffer tank.
- Should be supply with 1.0 mm five integrated spacer plates and 5 thin plates.
- Should be supply with 5 combs of 1.0 mm, 2 casting stand and 4 casting frame.
- Should be supply with 5 gel releaser, sample loading guide, Stain free Acrylamide Starter Kit
- Should be supply with wet transfer blotting module which can accommodate 2 mini gels of size 10 X 7.5 cm and System should not require buffer more than 450 ml
- Should be supply with 2 gel holder cassette, 4 foam pads, Modular electrode assembly, and ice free cooling unit.
- Wet transfer blotting system should have colour coded cassettes and electrode for proper orientation of gel.
- Transfer time should be around <1 hr.
- Should be supply with Power supply:
- Should have Output range (programmable) of 10–300 V, fully adjustable in 1 V steps and
- 4–400 mA, fully adjustable in 1 mA steps with 75 W maximum
- Should give Constant voltage, constant current with automatic crossover
- Should have 4 pairs recessed banana jack output terminals floating in parallel to run 4 systems at a time
- Should have a timer of 1–999 min, fully adjustable
- Should have pause/resume run function
- Should have LED Display
- Should have these Safety features: No-load detection, sudden load change detection,
- overload/short circuit protection, input line protection, auto power-up after power failure
- Should have input protection of fuse on both hot and neutral
- Should have a fan fitted at the back to keep the internal board cool
- Should conform to CE standards
- Warranty should be standard one year

