

## ANNEXURE –I

### DENATURING GRADIENT GEL ELECTROPHORESIS (DGGE) SYSTEM- – Specification

1. Vertical gel electrophoresis system with power pack capable of performing both DGGE and TGGE
2. Dual gels cassette at least 4 gels per run
3. Plate dimension 16-20cm x 16-20cm minimum
4. Gel size: 15cm x 16 cm minimum
5. Dual Gel casting system with Clamps, gasket or wrap, screws etc
6. Gel combs variable in wells (4 wells, 16 wells, 24 wells, 48 wells) (All 2 sets each) with thickness of combs varies from 0.75mm to 1.5mm
7. Peristaltic pump 100 to 200V with varying flow speed control or a buffer cyler which can eliminate the need of an external peristaltic pump to recycle buffer.
8. Power pack of above 220 V with 4 sets of output terminals
9. Gradient buffer mixer
10. Glass safety cover for protection during electrophoresis
11. Buffer siphoning pump
12. Should be provided with Magnetic stirrer
13. Suitable silicone tubing
14. Heating element and thermostat with accuracy of  $\pm 0.2^{\circ}\text{C}$