

**TECHNICAL PROGRAMME & ANNUAL ACTION PLAN
FOR RDDDL (ER), KOLKATA**

2014-2015

1. To provide referral and consultancy services to the state diagnostic laboratories for economically important Livestock and poultry diseases.
2. Development of epidemiological Data Bank including epidemiological maps of economically important livestock diseases of the region.
3. Screening of Bulls, teaser animals and bovine semen against sexually transmitted diseases including estimation of microbial load in Frozen Semen Straw in the region.
4. PCR based diagnosis with special reference to detection BoHV-1 in bovine semen sample.
5. Multiplex PCR based diagnosis for Brucella sp.
6. Surveillance work of infectious causes of abortion in Livestock population in organized farm and in the rural areas.
7. Surveillance on Tuberculosis and Johne's disease by γ - interferon assay.
8. Surveillance work on BSE based on Histopathological studies and ELISA based diagnosis of brain samples (as per target of Govt. of India).
9. Screening of brain samples from *Bovine Sp.* exhibiting neurological disorders for Listeriosis.
10. ELISA based diagnosis of important livestock and poultry disease and establishment of poultry disease diagnostic laboratory.
11. Immune status studies on Ranikhet Disease in vaccinated organized and backyard poultry population.
12. Standardization of molecular biological diagnostic techniques for different pathogens (livestock & poultry diseases other than Avian Influenza) with special reference to Capripox , PPR and Classical Swine Fever virus.

13. Standardization of PCR techniques for diagnosis of haemoprotozoan infection in cattle.
14. Routine Sero-surveillance work and antigen detection in morbid samples of HPAI.
15. Surveillance of Avian Influenza virus as per guideline of Govt. of India and framed surveillance strategies adopted by different states under jurisdiction of RDDL (ER), Kolkata.
16. Diagnosis of Rabies infection in post-mortem material by immuno-chromatographic technique.
17. Standardization of ELISA technique for detection of Mycotoxin in animal and poultry feed.
18. Proximate Analysis of animal and poultry feed.
19. To impart analytical facilities of pesticides, antibiotics and drug residues in livestock and poultry products by HPLC.
20. A) Study of nutritional status in infertility cases.
B) Clinical Haematology and Bio-chemistry to aid disease diagnosis.
21. Soil testing of Anthrax spore in the endemic area.
22. Testing of export materials as per OIE protocol.
23. Maintenance of Repository of infective agents isolated from the Eastern Region.
24. Organizing training programme for veterinary & para-veterinary work force.
25. Preparation of different Audio-visual presentation for Mass awareness of vets/para-vets and common people against economically important livestock and poultry diseases.
26. Detection of microbial agents responsible for clinical and sub-clinical mastitis and its antibiogram.
27. Monitoring of State Sponsored Scheme on disease investigation.
28. Monitoring of Centrally Sponsored Scheme of NPRE/AICRP on FMD.