

Training program on “**Laboratory Biorisk Management and Investigation of Emerging Animal & Zoonotic Diseases with One Health approach**” sponsored by DBT-NER-ADMaC

From 01-08 August, 2019

A training program on ‘**Laboratory Biorisk Management and Investigation of Emerging Animal & Zoonotic Diseases with One Health approach**’ was organized at ICAR-National Institute of High Security Animal Diseases, Bhopal under the DBT-NER-Advance Animal Diseases Diagnosis and Management Consortium (ADMaC) during August 01-08, 2019, as part of the capacity building initiative for North Eastern (NE) partners of ADMaC. The training was attended by 09 participants from six NE States of India, namely, Assam, Arunachal Pradesh, Manipur, Meghalaya, Sikkim and Tripura. The participants comprised of veterinary officers from state disease investigation labs, field clinicians, research fellows and scientists. During the eight days of training, the participants were enlightened on the general concepts of biosafety & biosecurity, laboratory biorisk management and use of Powered Air-Purifying Respirators (PAPR) & Personal Protective Equipment’s (PPE) to mitigate the laboratory Biorisk. Also the training underscored the importance of “One Health Approach” in dealing with emerging infectious diseases. Subsequently the trainees were given hands-on training for various molecular and serological techniques used in the diagnosis of emerging animal and zoonotic pathogens including CCHFV & Nipah virus. Hands-on training was also given on the ICAR-NIHSAD developed tests viz. Room Temperature Stable All-in-One RT-PCR Master Mix Kit for Screening of swine diseases, Indirect ELISA for detection of anti-PRRSV antibodies in Pigs, Indirect ELISA for detection of Avian Influenza virus antibodies in chicken and Multiplex RT-qPCR for differential diagnosis of low pathogenic (H9) and highly pathogenic (H5) Type A influenza infection in chicken.

