

# National Institute of High Security Animal Diseases, Bhopal

## LOK SABHA STARRED QUESTION D. NO. 11922 FOR 13.12.2019

- a) Whether there has been any corresponding increase in the number of patent filling, patent approvals, number of research papers published and increase in impact factor of research papers of India with increase in funding under Young Scientist Research Programme, if so, the details thereof and if not, the reasons therefor and the remedial steps taken thereon;

**NIL**

- b) The achievements in agricultural Research under the said programme along with the steps taken to roll out newly developed advance agritechnologies to agricultural farms, under this programme including research in semi-arid or dry land agriculture;

**NIL**

- c) The rate of growth of funding by the Government to Young Scientist Research Programme during the last five years;

**NIL**

- d) Whether the said programme is focusing on next frontiers of energy storage technologies like "Solid state Batteries" etc. catering to the technology requirement of national electric vehicle mobility mission and national solar mission programmes for its successful implementation of such programmes;

**NIL**

- e) Whether the Government had fixed the eligibility criteria for selection of candidates under the said programmes less than 35 years during the current year, if so, the details thereof ; and

**NIL**

- f) Whether the Government proposes to give age relaxation to economically poor candidates, if so, the details thereof?

**NIL**

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**ICAR- National Institute of High Security Animal Diseases, Bhopal**

**Rajya Sabha :**

**D. No. S2394**

1. Details of experts/ officers from foreign countries who had taken capacity building/ Training programme in India

**NIL**

2. Details of officers from India who had taken capacity building/ Training programme, as experts in foreign countries.

**NIL**

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**ICAR-National Institute of High Security Animal Diseases, Bhopal**

**LOK SABHA :**                **Question No. 620**

**Sub: Lok Sabha Unstarred Question no. 620 to be answered on 20.11.2019 – regarding “Project in NER”.**

- a) the details of total number of projects started and completed in the North East region in the last three years;

**NER Research Projects at NIHSAD started and completed in last three years**

Sl. No.	Title of the project	Status/ Duration	Funding Agency
1.	Deployment of nucleic acid and ELISA based diagnostic tests to determine incidence of porcine reproductive and respiratory syndrome (PRRS) in the North East and evaluation of the prospects of a potential candidate vaccine against the disease ( <b>DBT twinning project with ICAR-NEH</b> )	<b>Completed</b> Nov., 2012- May, 2016	<b>DBT</b>
2.	Viral metagenomic profiling of native and migratory aquatic birds of North-Eastern states to unravel influenza virus ecology harbored in them ( <b>DBT</b> )	<b>Completed</b> September 2014 – February 2018	<b>DBT</b>
3.	Prevalence & molecular epidemiology of BVD in ruminants with special reference to Mithun in North East states of India	<b>Completed</b> October 2013 - September 2016	<b>DBT</b>
4.	Molecular Platform for Epidemiology, Disease Mapping and Development of Diagnostics for Economically Important Diseases of Ducks” under DBT’s Twinning Programme for NER	<b>Started</b> October 2018 – September 2021	<b>DBT</b>
5.	Do synanthropic and sylvatic rodents play role in the ecology of emerging zoonotic and antimicrobial resistant pathogens? <i>In collaboration with ICAR Research Complex for NEH Region, Barapani</i>	<b>Started</b> February 2019 – January 2022	<b>SERB-DST</b>

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**ICAR- National Institute of High Security Animal Diseases, Bhopal**

**LOK SABHA :**                      **Question No. 7528**

**Sub: Input on “Develop Indigenous Technology” – reg.**

- a) Whether the government has formulated any scheme to develop indigenous technology and to improve it; and                      -                      **Nil**
- b) If so, the details in this regards?                      -

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**ICAR- National Institute of High Security Animal Diseases, Bhopal**

**LOK SABHA :**            **D. No. 5940**

**Sub: Budgetary Allocation for Bio-safety Research:**

- (a) **Whether the government propose to provide budgetary allocation for biosafety research pertaining to genetically modified organize (GMO) in the field of agriculture.**

No, separate budgetary allocation is being provided for ICAR-NIHSAD for biosafety research pertaining to genetically modified organisms (GMO) in the field of Agriculture.

- (b) **If not the details thereof; and**

As above.

- (c) **The details of the funds allocated and spent by the government in this regard?**

Not applicable.

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## **ICAR- National Institute of High Security Animal Diseases, Bhopal**

**Sub: Lok Sabha Admitted Unstarred Question No. 1462 due for answer on 12.02.2019 regarding "Krishi Vigyan Kendras" – reg.**

The text of the Question is as under:

- (a) the number of Krishi Kendras (KVKs) that are currently in operation, State-wise: **NA**
- (b) the number of KVKs under the control of the State Governments, ICAR, NGOs and agricultural universities, respectively: **NA**
- (c) whether any techniques/ methods have been implemented beyond the pilot/ test plot in respect of the research conducted at ICAR in the last five years: **NO**
- (d) if so, details thereof; and **NIL**
- (e) If not, the reasons therefor? **NIL**

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## **ICAR – National Institute of High Security Animal Diseases, Bhopal**

### **Lok Sabha Provisionally Admitted Q Dy No. 7186 :**

- a) The initiatives taken by the Government to encourage the use of biotechnology in agriculture, animal science, healthcare and various other sectors in the country alongwith the achievements thereof during each of the last three years and the current year, sector wise.

#### **Initiatives:**

- Diagnosis, surveillance and molecular characterization of exotic and emerging animal diseases in Indian and imported livestock & poultry and their products
- Development of diagnostics and vaccines for exotic and emerging animal diseases.
- Molecular basis of host-pathogen interaction in avian influenza, bovine viral diarrhoea and porcine reproductive and respiratory syndrome.
- Capacity building and training on pathogen discovery and diagnosis of transboundary emerging diseases.

#### **Achievements:**

##### **2014-2015:**

- Generation of reverse genetics based vaccine strain against H5N1 (clade 2.3.2.1) avian Influenza virus.
- Identification of new subgroup under Clade 2.3.2.1 (subgroup A) avian influenza viruses in India, Nepal and Bhutan through phylogenetic analysis.
- RT-PCR ELISA for pesti viruses.

##### **2015-2016:**

- Report of new sub-clade 2.3.2.1c of H5N1 avian influenza.
- The rgH5N2 vaccine for clade 2.2 was successfully tested and reassortant H5N9 and H3N8 viruses were generated.
- Identification of novel and divergent strains of Bovine Viral Diarrhoea Virus - 3 (BVDV- 3).
- Genetic analysis of the complete genome of the two Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) isolates from Mizoram.
- Hands on training in basic and advanced techniques in animal disease diagnosis.



## **ICAR – National Institute of High Security Animal Diseases, Bhopal**

### **Provisionally admitted Question for the Rajya Sabha**

**Starred/ Unstarred Diary No. S 5003**

- (a) Whether it is a fact that investment in agricultural research would help reduce dependency on imports and add to the export capacity of the country:

**Yes. Disease free status of the livestock is important to increase the export capacity of livestock products. The investment in infrastructural facilities and applied research especially for emerging, exotic and trans-boundary animal diseases in animal health will ensure that the disease free status certificate of exports is of international standard and accepted internationally.**

- (b) Whether Government has designed an action plan to attract investment in agricultural research; and

**Not applicable.**

- (c) if so, the details thereof and if not, the reasons therefor?

**Not applicable.**

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