

**GOVERNMENT OF INDIA  
AGRICULTURE  
LOK SABHA**

UNSTARRED QUESTION NO:1862  
ANSWERED ON:15.12.2003  
INFRASTRUCTURE FOR AGRICULTURAL RESEARCH AND EDUCATION  
ALAKESH DAS;BHAN SINGH BHAURA

**Will the Minister of AGRICULTURE be pleased to state:**

- (a) the details of infrastructure facilities provided for agricultural research and education in the country particularly in Punjab;
- (b) whether the Government has made any assessment regarding adequacy of these facilities;
- (c) if not, the measures taken by the Government to upgrade the same; and
- (d) the details of agricultural research and education centres in the country, State-wise?

**Answer**

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI HUKUMDEO NARAYAN YADAV)

- (a) The Department provides laboratories, field/farm facilities and human resources for undertaking agricultural research and education aspects of the country. The details of infrastructure facilities provided including in the State of Punjab are given in Annexe-I.
- (b) Yes, Sir.
- (c) To upgrade these research centres, support is provided mainly through Plan and Non-Plan grants for infrastructure, scientific and technical inputs.
- (d) The details are given in Annexe-I.

Annexe-I

STATE-WISE LIST OF ICAR INSTITUTE/NRCs/PDs/AICRPs AND ITS REGIONAL STATIONS/RESEARCH CENTRES

State	Name of Institutes/NRCs/PDs/AICRPs	Location
A & N Islands	Central Agricultural Research Institute	Port Blair
	Regional Station / Research Centre	
	Central Plantation Crops Research Institute	Port Blair
Andhra Pradesh	Central Research Institute for Dryland Agriculture	Hyderabad
	Central Tobacco Research Institute	Rajamundhry
	National Academy for Agril. Res. Management	Hyderabad
	N.R.C - Sorghum	Hyderabad
	N.R.C. - Oil Palm	Pedavegi
	NRC - Meat	Hyderabad
	Project Directorate - Oilseed Research	Hyderabad
	Project Directorate - Rice Research	Hyderabad
	Project Directorate - Poultry Research	Hyderabad
	AICRP - Dryland Agriculture	Hyderabad
	AICRP - Sorghum	Hyderabad
	AICRP - Tobacco	Rajamundhry
	AICRP Linseed	Hyderabad
	AICRP Sesame and Niger	Hyderabad
	AICRP-Agro-meteorology	Hyderabad
	Network - Economic Ornithology	Hyderabad
	Regional Stations / Research Centres	
	Central Inland Capture Fisheries Research	Eluru

Institute  
Central Institute for Freshwater Aquaculture Vijayawada  
Central Institute for Freshwater Aquaculture - Kankipadu  
ORP centre  
Central Institute for Research on Cotton Guntur  
Technology  
Central Institute of Fisheries Education Kakinada  
Central Institute of Fisheries Technology Vishakhapatnam  
Central Marine Fisheries Research Institute Kakinada  
Central Marine Fisheries Research Institute Vishakhapatnam  
Central Tobacco Research Institute Guntur  
Central Tobacco Research Institute Jeelugumilli  
Central Tobacco Research Institute Kandukur  
National Bureau of Plant Genetic Resources Hyderabad  
Sugarcane Breeding Institute Kavvur

Arunachal Pradesh N.R.C. - Yak Dirang

Regional Station / Research Centre

ICAR Research Complex for NEH Region West Siang

Assam Regional Stations / Research Centres

Central Rice Research Institute Gerua  
Central Research Institute for Jute & Allied Bamra  
Fibres  
Central Inland Capture Fisheries Research Guwahati  
Institute  
Central Plantation Crops Research Institute Kohikuchi  
National Bureau of Soil Survey & Land Use Jorhat  
Planning

Bihar ICAR Research Complex for Eastern Region Patna  
Project Directorate - Water Management Patna  
NRC Makhana Darbhanga  
NRC Litchi Muzaffarpur

Regional Stations / Research Centres

Central Institute for Freshwater Aquaculture - Ranchi  
ORP centre  
Central Potato Research Institute Patna  
Central Rice Research Institute Hazaribagh  
Central Tobacco Research Institute Pusa  
Indian Agricultural Research Institute Pusa  
National Bureau of Plant Genetic Resources Ranchi  
Sugarcane Breeding Institute Motipur

Chandigarh Regional Stations / Research Centres

Central Soil & Water Conservation Research and Chandigarh  
Traning Institute

Goa ICAR Research Complex for Goa Ila, Old Goa

Gujarat N.R.C. - Groundnut Junagadh  
N.R.C. - Medicinal & Aromatic Plants Anand  
AICRP - Groundnut Junagadh  
AICRP-Medicinal and Aromatic Plants Anand

Regional Stations / Research Centres

Central Arid Zone Research Institute Bhubaneswar  
Central Inland Capture Fisheries Research Institute Vadodara  
Central Institute for Research on Cotton Technology Surat  
Central Institute of Fisheries Technology Veraval  
Central Marine Fisheries Research Institute Veraval  
Central Soil & Water Conservation Research & Training Institute Valsad  
Central Soil Salinity Research Institute Anand  
Indian Institute of Horticultural Research Godhra

Haryana Central Institute for Research on Buffaloes Hisar  
Central Soil Salinity Research Institute Karnal  
National Bureau of Animal Genetic Resources Karnal  
National Dairy Research Institute Karnal  
N.R.C. - Biotechnology (Part of NDRI) Karnal  
N.R.C. - Equine Hisar  
Project Directorate - Wheat Research Karnal  
AICRP - Arid Fruits Hisar  
AICRP - Blood Protozoa Hisar  
AICRP - Buffalo Hisar  
AICRP - Honey Bees Hisar  
AICRP - Mgmt. of Salt Affected Soils & Use of Saline Water Karnal  
R&D Support for Process Upgradation of indigenous Milk Products Karnal  
Indo-Dutch ORP on Drainage Water Management Karnal  
Regional Stations/Research Centres

Central Inland Capture Fisheries Research Institute Karnal  
Central Institute for Research on Cotton Technology Hisar  
Central Institute for Research on Cotton Technology Sirsa  
Central Institute of Cotton Research Sirsa  
Central Institute of Fisheries Education Rohtak  
Indian Agricultural Research Institute Karnal  
Sugarcane Breeding Institute Karnal

Himachal Pradesh Central Potato Research Institute Shimla  
N.R.C. - Mushroom Solan  
AICRP - Micro Biological Decomposition Palampur  
AICRP - Mushroom Solan  
AICRP - Potato Shimla

Regional Stations / Research Centres

Central Potato Research Institute Kufri  
Central Sheep and Wool Research Institute Garsa, Kullu  
Central Sheep and Wool Research Institute Kullu  
Indian Agricultural Research Institute Katrain  
Indian Agricultural Research Institute Tutikandi, Shimla  
Indian Agricultural Research Institute Amartara, Shimla  
Indian Grassland & Fodder Research Institute Palampur  
Indian Veterinary Research Institute Palampur  
National Bureau of Plant Genetic Resources Shimla  
Project Directorate - Wheat Research Shimla  
Project Directorate - Wheat Research Lahul

Jammu & Kashmir Central Institute of Temperate Horticulture Srinagar

Regional Stations / Research Centres

Indian Veterinary Research Institute Srinagar

National Bureau of Plant Genetic Resources Srinagar

Jharkhand Indian Lac Research Institute Ranchi  
Regional Station / Research Centre  
Indian Institute of Horticultural Research Ranchi

Karnataka Indian Institute of Horticultural Research Bangalore  
National Institute of Animal Nutrition & Bangalore  
Physiology  
N.R.C. - Cashew Puttur  
Project Directorate - Biological Control Bangalore  
Project Directorate - Animal Disease & Bangalore  
Monitoring Surveillance  
AICRP - Tropical Fruits Bangalore  
AICRP - Betelvine Bangalore  
AICRP - Cashew Vittal  
AICRP - Small Millets Bangalore  
Network - Agricultural Acarology Bangalore

Regional Stations / Research Centres

Central Inland Capture Fisheries Research Bangalore  
Institute  
Central Institute for Freshwater Aquaculture Bangalore  
Central Institute for Research on Cotton Dharwad  
Technology  
Central Marine Fisheries Research Institute Karwar  
Central Marine Fisheries Research Institute Mangalore  
Central Plantation Crops Research Institute Hirehalli  
Central Plantation Crops Research Institute Vittal  
Central Soil & Water Conservation Research & Bellary  
Training Institute  
Central Tobacco Research Institute Hunsur  
Indian Agricultural Research Institute Dharwad  
Indian Grassland & Fodder Research Institute Dharwad  
Indian Institute of Horticultural Research Chettahalli  
Indian Veterinary Research Institute Bangalore  
National Bureau of Soil Survey & Land Use Bangalore  
Planning  
National Dairy Research Institute Bangalore  
Sugarcane Breeding Institute Jamkhadi

Kerala Central Institute of Fisheries Technology Cochin  
Central Marine Fisheries Research Institute Cochin  
Central Plantation Crops Research Institute Kasargod  
Central Tuber Crops Research Institute Thiruvananthapuram  
Indian Institute of Spices Research Calicut  
AICRP - Palms Kasargod  
AICRP - Spices Calicut  
Regional Stations / Research Centres  
Central Inland Capture Fisheries Research Alappuzha  
Institute  
Central Institute for Freshwater Kollamparembi  
Aquaculture - ORP centre  
Central Institute of Brackishwater Aquaculture Narakkal  
Central Marine Fisheries Research Institute Calicut  
Central Marine Fisheries Research Institute Vizhinjam  
Central Plantation Crops Research Institute Kayangulam  
Indian Institute of Spices Research Apangala  
National Bureau of Plant Genetic Resources Trichur  
Sugarcane Breeding Institute Cannanore

Lakshdweep Regional Stations / Research Centres

Central Marine Fisheries Research Institute Minicoy  
Central Plantation Crops Research Institute Minicoy

Madhya Pradesh Central Institute of Agricultural Engineering Bhopal  
Indian Institute of Soil Science Bhopal  
N.R.C. - Soybean Indore  
N.R.C. - Weed Science Jabalpur

AICRP - Energy Requirement in Agricultural Sector Bhopal  
AICRP - Farm Implements Machinery Bhopal  
AICRP - Human Engineering and Safety Studies Bhopal  
AICRP - Micro Secondary Nutrients Bhopal  
AICRP - Power Tiller Bhopal  
AICRP - Renewable Energy Sources Bhopal  
AICRP - Soil Test Crop Response Bhopal  
AICRP - Soybean Indore  
AICRP - Utilisation of Animal Energy Bhopal  
AICRP - Weed Control Jabalpur  
AICRP White Grub Durgapur  
RNAM Phase-VI Bhopal

#### Regional Stations / Research Centres

Central Inland Capture Fisheries Research Institute Hoshangabad  
Central Institute for Freshwater Aquaculture Akola  
Central Institute for Freshwater Aquaculture Balghat - ORP centre  
Central Institute of Fisheries Education Powarkhera  
Central Institute of Fisheries Technology Hoshangabad  
Central Potato Research Institute Gwalior  
Central Soil & Water Conservation Research & Training Institute Datia  
Indian Agricultural Research Institute Indore  
Indian Veterinary Research Institute Bhopal  
National Bureau of Plant Genetic Resources IGKV, Ambikanagar

Maharashtra Central Institute of Fisheries Education Mumbai  
Central Institute for Research on Cotton Technology Mumbai  
Central Institute of Cotton Research Nagpur  
National Bureau of Soil Survey & Land Use Planning Nagpur  
N.R.C. - Citrus Nagpur  
N.R.C. - Grapes Pune  
N.R.C. - Onion and Garlic Godra (Nasik)  
AICRP - Cotton Nagpur  
AICRP - Pearl Millets Pune

#### Regional Stations / Research Centres

Central Institute for Freshwater Aquaculture - ORP centre Bhandra  
Central Institute for Research on Cotton Technology Nagpur  
Central Institute of Fisheries Technology Mumbai  
Central Marine Fisheries Research Institute Mumbai  
Indian Agricultural Research Institute Pune  
N.R.C - Sorghum Solapur  
National Bureau of Plant Genetic Resources Akola  
National Bureau of Plant Genetic Resources Amravati

Manipur Central Agricultural University Imphal  
ICAR Research Complex for NEH Region (Regional Centre) Imphal

Mizoram ICAR Research Complex for NEH Region (Regional Centre) Kolasaiab

Meghalaya ICAR Research Complex for NEH Region (Regional Stations / Research Centres) Barapani  
Central Potato Research Institute Shillong  
ICAR Research Complex for NEH Region West Garo Hills

National Bureau of Plant Genetic Resources Shillong  
Nagaland N.R.C. - Mithun Jharnapani  
ICAR Research Complex for NEH Region Khanakhuru  
(Regional Centre)

National Capital

Territory of Indian Agricultural Research Institute New Delhi  
Delhi Indian Agricultural Statistics Research New Delhi  
Institute  
National Bureau of Agriculturally New Delhi  
Micro-Organisms  
National Bureau of Plant Genetic Resources New Delhi  
N.R.C. - Agricultural Economics & Policy New Delhi  
Research  
N.R.C. - on Plant Biotechnology New Delhi  
N.R.C. - Integrated Pest Management New Delhi  
NRC - DNA Fingerprinting New Delhi  
Project Directorate - Maize Research New Delhi  
AICRP - Agricultural By-product New Delhi  
AICRP - Agricultural Drainage New Delhi  
AICRP - Arid Legumes New Delhi  
AICRP - Biological Nitrogen Fixation New Delhi  
AICRP - Engineering Measures for Efficient New Delhi  
Land & Water Mgmt.  
AICRP - Floriculture New Delhi  
AICRP - Long-term Fertilizer Experiments New Delhi  
AICRP - Nematode New Delhi  
AICRP - Optimisation of Groundwater New Delhi  
Utilisation through Wells  
AICRP - Pesticide Residue New Delhi  
AICRP Post Harvest Techn. of Horticultural New Delhi  
Crops  
AICRP - Under-utilised & Under-exploited Plant New Delhi  
AICRP on Home Science New Delhi  
AICRP Tillage Management of Indian Soils New Delhi  
Integrated Krishi Vigyan Kendras New Delhi  
National Seed Project New Delhi  
Network Scheme - Micronutrients New Delhi  
Network Scheme - Embryo Transfer Technology New Delhi  
Indo-Israel Demonstration Project (IARI) New Delhi  
National Agricultural Technology Project (NATP) New Delhi  
Regional Stations/Research Centres  
National Bureau of Plant Genetic Resources Issapur  
National Bureau of Soil Survey & Land Use New Delhi  
Planning

Orissa Central Institute for Freshwater Aquaculture Bhubaneswar  
Central Rice Research Institute Cuttack  
NRC for Women in Agriculture Bhubaneswar  
Water Technology Centre for Eastern Region Bhubaneswar  
AICRP - Tuber Crops Bhubaneswar  
ORP on Processing & Utilisation of Organic Bhubaneswar  
Waste for Aquaculture

Regional Stations / Research Centres

Central Avian Research Institute Bhubaneswar  
Central Institute of Fisheries Technology Burla  
Central Institute of Brackishwater Aquaculture Puri  
Central Research Institute for Jute & Bamra  
Allied Fibres  
Central Soil & Water Conservation Research & Koraput  
Training Institute  
Central Tuber Crops Research Institute Bhubaneswar  
Indian Institute of Horticultural Research Bhubaneswar  
National Bureau of Plant Genetic Resources Cuttack

Punjab Central Institute for Post Harvest Engg. & Ludhiana  
Technology  
AICRP - Application of Plastics in Ludhiana  
Agriculture  
AICRP - Harvest & Post Harvest Technology Ludhiana

Regional Stations / Research Centres

Central Institute for Freshwater Aquaculture Ludhiana  
Central Institute for Research on Buffaloes Nabha  
Central Institute for Research on Cotton Ludhiana  
Technology  
Central Potato Research Institute Jalandhar  
Punjab Agricultural University Ludhiana

Rajasthan Central Arid Zone Research Institute Jodhpur  
Central Institute of Arid Horticulture Bikaner  
Central Sheep and Wool Research Institute Avikanagar  
N.R.C. - Camel Bikaner  
N.R.C.-Rapeseed & Mustard Bharatpur  
NRC - Seed Spices Ajmer  
AICRP - Sheep Avikanagar  
AICRP Pearl Millet Jodhpur  
AICRP- Rapeseed & Mustard Bharatpur  
Network - Rodent Control Jodhpur

Regional Stations / Research Centres

Central Arid Zone Research Institute Pali  
Central Arid Zone Research Institute Jasailmer  
Central Arid Zone Research Institute Bikaner

Central Institute for Research on Cotton Sri Ganganagar  
Technology  
Central Sheep and Wool Research Institute Bikaner  
Central Soil & Water Conservation Research & Kota  
Training Institute  
Indian Grassland & Fodder Research Institute Avinakagar  
National Bureau of Plant Genetic Resources RAU, Mandor  
National Bureau of Soil Survey & Land Use Udaipur  
Planning

Sikkim N.R.C. - Orchids Tadong

ICAR Research Complex for NEH Region Gangtok  
(Regional Centre)

Tamil Nadu Central Institute of Brackishwater Aquaculture Chennai  
Sugarcane Breeding Institute Coimbatore  
N.R.C. - Banana Tiruchirapalli

Regional Stations / Research Centres

Central Inland Capture Fisheries Research Coimbatore  
Institute

Central Institute for Research on Cotton Coimbatore  
Technology  
Central Institute of Cotton Research Coimbatore  
Central Marine Fisheries Research Institute Mandpam  
Central Marine Fisheries Research Institute Tutocorin  
Central Marine Fisheries Research Institute Chennai  
Central Potato Research Institute Udhagamandalam  
Central Sheep and Wool Research Institute Kodaikanal  
Central Sheep and Wool Research Institute Mannavanur  
Central Soil & Water Conservation Research & Udhagamandalam  
Training Institute  
Central Tobacco Research Institute Vedassundur  
Indian Agricultural Research Institute Wellington  
Indian Agricultural Research Institute Aduthurai

Tripura Regional Station / Research Centre

ICAR Research Complex for NEH Region Lembucherra

Uttar Pradesh Central Avian Research Institute Izatnagar  
Central Institute for Research on Goats Makhdoom  
Central Institute for Subtropical Horticulture Lucknow  
Indian Institute of Pulses Research Kanpur  
Indian Institute of Sugarcane Research Lucknow  
Indian Institute of Vegetable Research Varanasi  
Indian Veterinary Research Institute Izatnagar  
National Bureau of Fish Genetic Resources Lucknow  
Indian Grassland & Fodder Research Institute Jhansi  
N.R.C. - Biotechnology (Part of IVRI) Izatnagar  
NRC- Agroforestry Jhansi  
Project Directorate - Cropping System Research Modipuram  
Project Directorate - Cattle Research Meerut  
Project Directorate - Foot & Mouth Diseases Izatnagar  
AICRP - Chick Pea Kanpur  
AICRP - Gastrointestinal Parasitism Izatnagar  
AICRP - Goat Makhdoom  
AICRP - Haemorrhagic Septicaemia Izatnagar  
AICRP - Jaggery & Khandasari Lucknow  
AICRP - Pig Izatnagar  
AICRP - Pigeon Pea Kanpur  
AICRP - Pulses (MULLARP) Kanpur  
AICRP - Sugar Crops Lucknow  
AICRP - Vegetable Research Varanasi  
AICRP on Management of Diaraland Improvement Modipuram  
AICRP-Sub-tropical Fruits Lucknow  
AICRP- Forage Crops Jhansi  
Vegetable Seed Project (National Seed Project) Varanasi  
Network Scheme-Crop Based Animal Production Jhansi  
System

Regional Stations / Research Centres

Central Inland Capture Fisheries Research Allahabad  
Institute  
Central Institute for Freshwater Aquaculture Allahabad  
- ORP centre  
Central Institute of Fisheries Education Chinhat  
Central Potato Research Institute Modipuram  
Central Research Institute for Jute & Pratapgarh  
Allied Fibres  
Central Soil & Water Conservation Research & Agra  
Training Institute  
State Agricultural Universities  
Chandra Shekhar Azad University of Agriculture Kanpur  
Technology  
Acharya Narendra Dev University of Agriculture Faizabad  
and Technology  
Sardar Vallabh Bhai Patel University of Modipuram,  
Agriculture and Technology Meerut  
Institute of Agriculture Banaras Hindu Varanasi  
University

Uttranchal Central Soil & Water Conservation Research & Dehradun  
Training Institute  
Vivekanand Parvataiya Krishi Anusandhan Shala Almora  
N.R.C.- Cold Water Fisheries Bhimtal  
(Nainital)  
Project Directorate Foot and Mouth Disease Mukteshwar

Regional Stations / Research Centres

Central Institute of Temperate Horticulture Mukteshwar  
N.R.C.- Cold Water Fisheries Champawat  
National Bureau of Plant Genetic Resources Bhowali



West Bengal Central Inland Capture Fisheries Research Barrackpore  
Institute  
Central Research Institute for Jute & Allied Barrackpore  
Fibres  
National Institute of Research on Jute & Allied Kolkatta  
Fibre Technology  
AICRP - Jute Barrackpore

Regional Stations / Research Centres

Central Inland Capture Fisheries Research Malda  
Institute  
Central Inland Capture Fisheries Research Kolkatta  
Institute  
Central Institute for Freshwater Aquaculture Rahara  
Central Institute for Freshwater Aquaculture Kalyani  
Central Institute for Freshwater Aquaculture Kolkatta  
- ORP centre  
Central Institute of Fisheries Education Kolkatta  
Central Institute of Brackishwater Aquaculture Kakdweep  
Central Institute of Sub-tropical Horticulture Malda  
Central Plantation Crops Research Institute Jalpaiguri  
Central Research Institute for Jute & Bud Bud  
Allied Fibres  
Central Soil Salinity Research Institute Canning Town  
Central Tobacco Research Institute Dinahata  
Indian Agricultural Research Institute Kalimpong  
Indian Veterinary Research Institute Kolkatta  
National Bureau of Soil Survey & Land Kolkatta  
Use Planning  
National Dairy Research Institute Kalyani

NRC - Orchids Darjeeling

NRC - National Research Centre  
PD - Project Directorate  
AICRP - All India Coordinated Research Project

STATE AGRICULTURAL UNIVERSITIES IMPARTING AGRIL. EDUCATION

ASSAM Assam Agricultural University Jorhat

ANDHRA PRADESH Acharya NG Ranga Agricultural University Hyderabad

JHARKHAND Birsa Agricultural University Ranchi

WEST BENGAL Bidhan Chandra Krishi Viswavidyalaya Nadia  
Uttar Banga Krishi Vishwavidyalaya Dist.  
Coach Bihar  
West Bengal University of Animal & Fishery Sciences Kolkatta

MANIPUR Central Agricultural University Imphal

HARYANA Chaudhary Charan Singh Haryana Agricultural University Hisar

UTTAR PRADESH Chandra Shekar Azad University of Agriculture & Technology Kanpur  
 UP Pandit Deen Dayal Upadhaya Pashu Chikitsa Mathura  
 Vidyan Vishwa Vidhyalaya evam Go Anusandhan Sansthan  
 Narendra Deva University of Agriculture & Technology Faizabad  
 Sardar Ballabh Bhai Patel Univ. of Agriculture & Technology Modipuram

HIMACHAL PRADESH Ch. Sarwan Kumar Himachal Pradesh Krishi Vishwavidyalaya Palampur  
 Dr. Yashwant Singh Parmar University of Horticulture & Forestry Solan

GUJARAT Gujarat Agricultural University Gujarat

UTTARANCHAL Govind Ballabh Pant Universty of Agriculture & Technology Pantnagar

CHHATTISGARH Indira Gandhi Krishi Vishwavidyalaya Raipur

MADHYA PRADESH Jawaharlal Nehru Krishi Viswavidyalaya Jabalpur

Kerala Kerala Agricultural University Trichur

MAHARASHTRA Maharashtra animal Science & Fishery University Nagpur  
 Marathwada Agricultural University Parbhani  
 Mahatma Phule Krishi Vidyapeeth Rahuri  
 Dr. PanjabraoDeshmukh Krishi Vidyapeeth Akola

RAJASTHAN Maharana Pratap University of Agriculture & Technology Udaipur  
 Rajasthan Agricultural University Bikaner

ORISSA Orissa University of Agriculture & Technology Bhubaneswar

PUNJAB Punjab Agricultural University Ludhiana

BIHAR Rajendra Agricultural University Smastipur

JAMMU & Kashmir Sher-E-Kashmir University of Agricultural Sciences Jammu  
 & Technology  
 Sher-E-Kashmir University of Agricultural Sciences Shrinagar  
 & Technology of Kashmir

TAMIL NADU Tamil Nadu Veterinary& Animal Sciences University Chennai  
 Tamil Nadu Veterinary& Animal Sciences University Coimbatore

