



Government of Kerala

*Animal Husbandry
Department*

***Information under
Right to Information Act 2005***

ORGANIZATION, FUNCTIONS & DUTIES

The Department of Animal Husbandry in Kerala came into existence in 1956. The animal health care and livestock and poultry production are the main objectives of the department. The major activities of the department are Veterinary services and Animal Health Care, Disease Eradication Programmes, Cattle, Goat, Pig, and Poultry Development programmes, Control of Zoonotic diseases, Extension, Training programmes for Farmers and Veterinarians and Production of Biologicals. The activities of Animal Husbandry Department are focused towards rendering livestock farming as a strong component of general development process in the state.

The functions & duties of this organization

1. Strengthening the livestock population of the state in terms of both number and quality
2. Increasing the production of milk, egg and meat
3. Creating more self-employment opportunities in the Animal Husbandry sector.
4. Assisting weaker sections of the society to enhance their income level.
5. Control of animal diseases
6. Conduct scientific studies into relevant aspects of livestock rearing.
7. Collection and analysis of data and information on the A H Sector of the state.
8. To equip the farmers with modern scientific practices in Animal Husbandry.

The majority of livestock population in the state is concentrated in villages. Mostly peasants and agricultural laborers are engaged in cattle rearing and allied activities. Hence any development in the Animal Husbandry sector will strengthen the rural economy. About 10% of the Gross Domestic Product of the state is contributed by this sector.

Milk, egg and meat are the principal primary products of Animal Husbandry in Kerala. This sector can also contribute its share to the industrial Development of the state by way of supplying industrial products like bacon, hides, skins etc.

Protective and promotional activities of the Animal Husbandry Department are being conducted through various institutions such as, Veterinary Dispensaries, Veterinary Hospitals, Veterinary Poly Clinics, District Veterinary Centres, Intensive Cattle Development Projects, and ICDP Sub Centres etc.

Objective of the Department

1. To evolve Schemes to retain the traditional livestock farmers in AH Sector..
2. Transfer of Technology from labs to field.
3. To exploit the production potential of Livestock & Poultry.
4. Effective implementation of breeding policy.
5. Capacity building of technical and administrative staff.
6. IT applications for better office management.
7. To conduct Research and Development and survey on problems faced by the farmers, consumers and public.
8. To continue supply of good quality germ plasm to farmers.

9. To conserve local breeds pertaining to livestock and poultry of our state.
10. To implement innovative Schemes like rearing of Malabari Goats, quail husbandry, rabbit husbandry, bull calf rearing, Azolla cultivation etc.
11. To implement Hygienic Meat Production by proper Meat Inspection & Modernisation of Slaughter Houses.
12. Effective Control of Zoonotic diseases through treatment, Screening of Animals, Vaccination, Creating public awareness through Farm Information Bureau.

General Administration

The Animal Husbandry Directorate is housed in Vikas Bhavan, Thiruvananthapuram.

The overall technical, administrative and financial control is vested with the Director, supported by two Additional Directors, three Joint Directors, six Deputy Directors and five Assistant Directors, attached to the Directorate.

The major technical wings at the Directorate are Veterinary Services and Animal Health, Planning, Livestock Production, Poultry and Animal Husbandry Statistics.

Administrative wing of the Department comprises of an Administrative Officer, Finance Officer, two Administrative Assistants and one Accounts Officer.

A Statistical wing is functioning in the Directorate under the guidance of Joint Director (Statistics). The cell consists of two wings - the Official statistics wing and the Sample Survey wing. One Research Officer is allotted to Official Statistics wing and two Research Officers to the Sample Survey wing.

The following is the staff pattern of the Directorate

Director (1)

Additional Directors (2)

1. Animal Health & Veterinary Service.
2. Planning.

Joint Directors (3).

1. Livestock Production.
2. Poultry.
3. Statistics.

Deputy Directors (6).

1. Planning.
2. Veterinary.
3. Key Village.
4. Extension.
5. Swine Husbandry.
6. Poultry.

Assistant Directors (5).

1. Planning.
2. Cattle Development.

3. Rabies Eradication.
4. Central Store Organisation.
5. Fodder.
- Finance Officer(1).
- Administrative Officer(1).
- Administrative Assistants (2).
- Accounts Officer(1).
- Research Officers (3).
1. Sample Survey (2).
2. Official Statistic Wing (1)

Institutions under the direct control of Head Quarters.

1. Chief Disease Investigation Office, Palode
2. Epidemiological Cell, Thiruvananthapuram
3. Institute of Animal Health and Veterinary Biologicals, Palode
4. Livestock Disease Control Office, Thiruvananthapuram.
5. Special Livestock Breeding Programme- Head Quarters, Thiruvananthapuram
6. Central Hatchery, Chengannur
7. Avian Disease Diagnostics Lab, Thiruvalla
8. Cattle Sterility Office, Aluva
9. Swine Husbandry Office, Aluva
10. Rinderpest Eradication Scheme, Head Quarters, Palakkad
11. Livestock Management Training Centres at Mundayad, Malampuzha, Aluva, and Kudappanakkunnu.

District Level Administration

The responsibility of district level Animal Husbandry activities is vested with the District Animal Husbandry Officer in the cadre of Joint Director.

The District Animal Husbandry Officer has technical as well as administrative control over all the veterinary institutions in the districts except those, which are directly administered from the head quarters. In technical matters a Deputy Director and a Veterinary Surgeon assist District Animal Husbandry Officer.

Various Animal Husbandry activities have been conducted under the guidance of District Animal Husbandry Officer for ensuring Animal Husbandry and welfare of farmers.

The power and duties of officers

DIRECTOR OF ANIMAL HUSBANDRY

FINANCIAL POWERS

1 Original Works Rs. 7.5 lakhs*

2 Petty construction & maintenance of Government buildings Rs.

25,000* 3 Hiring of private buildings Rs.2500 per month*

4 Write off

a) Irrecoverable arrears of revenue Rs.5000/- in each case with annual limit of Rs. 25,000/-*

b) Unserviceable/broken articles Rs.3000/- in each case

c) Livestock & Poultry Rs.15,000/- in each case with annual limit of Rs. 1.5 lakhs*

d) Death of Livestock/Poultry during transportation Rs.7500/- in each case

5 Disposal of Unserviceable articles & stores in auction Rs. 15,000*

8 Local purchase of stationary Rs.500/- in each case with annual limit of Rs. 5000/-

9 Purchase of reference books Expenditure from office expenses when there is no budget provision

10 Non - recurring contingent charges Rs.1500/- at a time with annual limit of Rs.

10,000/-11 Petty items of expenditure Rs.200/- at a time

12 Purchase of a stores Rs.10,000/- at a time with annual limit of Rs. 50,000/-**

15 Repair of Motor Vehicles

i) a) Sanction repair of LMV Rs.10,000/- in each case with annual limit subject to budget provision

i) b) Sanction repair of MMV & HMV Rs.20,000/- in each case with annual limit subject to budget provision##

ii) To pay 75% of the bill of approved workshop

iii) Replace minor parts of department Vehicles

Rs.1000/- at a time without inspection by AEE of REW#

iv) Purchase of spare parts Rs.3000/- at a time with annual limit of Rs. 30,000/-#

17 Participation in exhibition Rs.5000/- in each case with annual limit of Rs. 50,000/-

19 Deputation for Training Within the country by rail*

26 Ceremonial function Rs.2,000/- for each function

27 Printing of forms

Printing locally if Govt press cannot print in 1 month Rs.20,000/- at a time

Printing in emergency situation Rs.500/- at a time with annual limit of Rs. 5,000/-

28 Refreshment Charges Rs.1.25 per head with limit of Rs.200 each time with annual limit of Rs.2000/-

29 Office shifting & hiring of private buildings Rs.2500/- per month

32 Condemnation of articles Rs.10,000/- in each case

33 Purchase of audiovisual/multimedia equipments & refrigerators Rs.35,000/- at a time 34 Contracts for maintenance of equipments Rs.10,000/- at a time

ADDITIONAL DIRECTOR OF ANIMAL HUSBANDRY ADMINISTRATIVE POWERS

- 1 Leave All leave except Special disability leave, Leave for study purpose & Leave without allowance
- 2 Tours a) Adjoining districts of neighbouring states
- c) Subordinate officers- Within the state
- d) Sanction advance TA to subordinate officers

FINANCIAL POWERS

- 1 Petty construction & maintenance of Government buildings
Rs.7500/-2 Works 3 lakhs
- 3 Hiring of private buildings Rs.1500 per month
- 6 Non - recurring contingent charges Rs.5000/-
- 7 Local purchase of stationary Up to Rs.500/-at a time, Annually Rs.3000/-
- 8 Purchase of books As per budget provision & KFC Vol II
- 9 Exhibition charges Up to Rs.3000/-at a time, Annually Rs.15,000/-
- 10 Write off
 - a) Irrecoverable arrears of revenue Up to Rs.1000/-at a time, Annually Rs.5000/-
 - b) Unserviceable/broken articles Rs.2000/- without annual limit
 - c) Livestock & Poultry Rs.10,000/- at a time without annual limit
- 11 Disposal of Unserviceable articles & stores in auction Rs.10,000/- in each case
- 15 Repairs & Replacement of parts of refrigerators/tools/plants & other equipments Rs.2000/- without reference to AEE, Rs.1000/- with approval from AEE
- 17 Purchase of a stores
AS for purchase of stores Up to Rs.7,500/-at a time, Annually Rs.50,000/-
- 18 Repair of Motor Vehicles
 - a) Sanction repair of LMV Rs.7500/- in each case
 - a) Sanction repair of MMV & H MV Rs.15,000/-in each case
 - b) To pay 75% of the bill of approved workshop
 - c) Replace minor parts of department Vehicles Rs.1000/- at a time without approval of AEE
- 19 Purchase of tyres, tubes & MT batteries Rs.3000/- at a time
- 21 Printing of forms Printing locally if Govt press cannot
print in 1 month Rs.10,000/- Printing in emergency situation Up to Rs.500/-at a time, Annually Rs.2000/-
- 25 Photographic charges Up to Rs.500/-at a time, Annually Rs.2000/-
- 27 Condemnation of articles Rs.5000/-

JOINT DIRECTOR OF ANIMAL HUSBANDRY

Officers in the cadre of Joint Directors who are not head of offices will have only financial powers

FINANCIAL POWERS

1 Works Rs.2 Lakhs at a time

2 Hiring of private buildings Rs.1000 per month

3 Petty construction & maintenance of Government buildings
Rs.5000/-4 Write off

a) Unserviceable/broken articles Rs.1000/-

b) Condemnation of articles Rs.3000/- at a time without annual limit

c) Livestock Up to Rs.10,000/-at a time, Annually Rs.50,000/-

d) Poultry Up to Rs.1000/-at a time, Annually Rs.10,000/-

6 Auction sale of Unserviceable articles & stores Rs.3000/- at a time without annual limit
8 Auction sale of usufructs Rs.10,000/- at a time without annual limit

9 Non recurring contingent charges Rs.3000/- at a time

10 Printing of Forms Rs.2500/-

11 Purchase of Furniture Rs.5000/- at a time

12 Purchase of Medicine, equipment, appliances& sundry items

(i) Sanction local purchase of Medicine, equipment, appliances& sundry items Rs.5000/- at a time with annual limit of Rs.50,000/- during emergency situations

13 Purchase of Chemicals, antigens, biologicals Rs.7,500/- at a time without annual limit
15 Purchase of reference books

a) Sanction purchase Rs.2000/-

b) Subscriptions to journals Rs.250/- in each case to subordinate officers

16 Local purchase of stationary Up to Rs.100/-at a time, Annually Rs.500/-

18 Purchase of tyres, tubes Up to Rs.1,500/-at a time, Annually Rs.10,000/-

20 Repair of Motor Vehicles a) Sanction repair of LMV,MMV & HMV Rs.5000/- in each case*

(i)a) Repair & Replace minor parts of department Vehicles Rs.3000/- at a time

(i)b) To pay 75% of the bill of approved workshop

(ii) Purchase of spare parts in emergency situation In case of break downs only, during course of journey for absolute minimum requirement just to make the vehicle run

21 Repairs & Replacement of parts of refrigerators/tools/plants & other equipments Rs.750/- without reference to AEE, Rs.1500/- with approval from AEE

22 Photographic charges Up to Rs.100/-at a time, Annually Rs.500/-

23 Expenditure for Exhibition Rs.1000/-

26 Refreshment Charges Rs.1/- per head subject to maximum of Rs.100/- at a time and annual limit of Rs.1000/-

DEPUTY DIRECTOR OF ANIMAL HUSBANDRY

Officers in the cadre of Deputy Directors who are not head of offices will have only financial powers

FINANCIAL POWERS

- 1 Petty construction & maintenance of Government buildings Rs.3500/-
- 2 Hiring of private buildings Rs.750 per month
- 3 Works Rs.1 Lakh
- 4 Write off
 - a) Unserviceable/broken articles Rs.500/- at a time with an annual limit of Rs.5000/-
 - b) Condemnation of Unserviceable articles Rs.500/- at a time without annual limit
 - c) Livestock Up to Rs.5000/-at a time, Annually Rs.25,000/-
 - d) Poultry Up to Rs.250/-at a time, Annually Rs.2500/-
- 6 Disposal of unserviceable articles & stores in auction Up to Rs.1000/-at a time, Annually 5000/-
- 7 Auction sale of usufructs Rs.1500/- at a time without annual limit
- 9 Purchase of Furniture Rs.2000/- at a time
- 10 Purchase of Veterinary Equipments & appliances Up to Rs.1000/-at a time, Annually Rs.5000/-
- 11 Purchase of Medicines Up to Rs.1500/-at a time, Annually Rs.7500/-
- 13 Purchase of Biological products/antigens/chemicals Rs. 7500/- at a time without annual limit
- 15 Purchase of reference books Up to Rs.500/- at a time, annual limit of Rs.1000/-
- 16 Local purchase of stationeries Rs.100/- at a time, annual limit of Rs.1000/-
- 17 Purchase of tyres, tubes & MT Batteries Rs.2000/- at a time, annual limit of Rs.10,000/-
- 18 Repair of Motor Vehicles
 1. a) Repair & Replace minor parts of department Vehicles Rs.3000/- at a time, annual limit of Rs.10,000/-
 1. b) To pay 75% of the bill of approved workshop
 2. Purchase of spare parts in emergency situation Rs.500/- at a time without sanction from AEE
- 19 Hiring of Vehicles Rs.1000/- at a time
- 20 Repairs & Replacement of parts of refrigerators/tools/plants & other Equipments Rs.1000/- without reference to AEE, Rs.3000/- with approval from AEE
- 21 Printing of Forms Rs.200/- at a time
- 23 Demurrage Charge Rs.25/- at time annual limit of Rs.150/-
- 24 Photographic charges Up to Rs.100/-at a time, Annually Rs.500/-
- 26 Non recurring charges Rs.1500/- at a time
- 32 Cattle show/calf rallies/seminars Up to Rs.1000/-
- 34 Refreshment Charges Rs.1/- per head subject to maximum of Rs.40/- at a time and annual limit of Rs.300/-
- 35 Land improvement/cultivation Rs.100/- at a time, annually R.200/-

ASSISTANT DIRECTOR OF ANIMAL HUSBANDRY

Officers in the cadre of Assistant Directors who are not head of offices will have only financial powers

FINANCIAL POWERS

- 1 Works Rs.2000/-
- 2 Rent of private buildings Rs.250 per month
- 3 Petty construction & maintenance of Government buildings Rs.1000/-
 - a) Unserviceable/broken articles Rs.100/- at a time with an annual limit of Rs.1000/-
 - b) Condemnation of Unserviceable articles Rs.200/- at a time with annual limit of Rs. 1000/-
 - c) Poultry Up to Rs.100/-at a time, Annually Rs.1000/-
- c) Livestock Up to Rs.3000/-at a time, Annually Rs.30,000/-
- 7 Transporting charges of Livestock/poultry Rs.500/-
- 9 Auction sale of usufructs Rs.1000/- at a time without annual limit
- 10 Purchase of Medicines/Veterinary Equipments/ appliances Rs.500/- at a time
- 11 Purchase of vaccines/antigens Up to Rs.500/-at a time, Annually Rs.2500/-
- 12 Purchase of stationeries Up to Rs.100/-at a time, Annually Rs.500/-
- 13 Purchase of Furniture Rs.1000/- at a time
- 15 Purchase of reference books Up to Rs.200/- at a time, annual limit of Rs.500/-
- 16 Purchase of tubes/retreading charges Up to Rs.1000/-at a time
- 17 Repair of Motor Vehicles
 - a) Repair & Replace minor parts of department Vehicles Rs.500/-,annually Rs.2000/-
 - b) To pay 75% of the bill of approved workshop
- 18 Repairs & Replacement of parts of refrigerators/tools/plants & other equipments Rs.500/- at a time
- 20 Demurrage Charge Rs.5/- at a time, annually Rs.50/-
- 21 Photographic charges Rs.100/- at a time, annually Rs.500/-
- 22 Mike Hire Charges Rs.100/- at a time, annually Rs.200/-
- 23 Fodder cultivation/land improvement in Govt Land Rs.250/- at a time annually Rs.500/-
- 24 Non - Recurring expenditure Rs.1000/- at a time
- 25 Cattle show/calf rallies/seminars Rs.500/-

VETERINARY SURGEON OF ANIMAL HUSBANDRY

FINANCIAL POWERS

- 1 Recurring expenditure Rs.25/- at a time
- 2 Non - Recurring expenditure Rs.50/- at a time
- 3 Purchase of Medicines Rs.100/- at a time annually Rs.1000/-
- 4 Minor repairs & replacement of spare parts of motor vehicles Rs.100/- at a time annually Rs.500/-
- 5 Purchase of stationeries Rs.25/- at a time annually Rs.100/-
- 6 Auction sale of usufructs up to Rs.250/- at a time
- 7 Payment of Photograph etc. Rs.50/- at a time annually Rs.250/-
- 8 Mike Hire Charges Does not exceed Rs.100/- at a time with an annual limit of Rs.200/-

9 Fodder cultivation/ improvement in Govt Land Does not exceed Rs.100/- at a time with annual limit of Rs. 200/-

ADDITIONAL POWERS TO DEPUTY DIRECTOR IN CHARGE OF FARMS/HATCHERIES OF ANIMAL HUSBANDRY

- 1 Purchase of Medicines Rs.3000/- at a time with annual limit of Rs.10,000/-
- 2 Purchase of Feed/Fodder/Feed Ingredients Rs.10,000/- for 3 months in the absence of valid contract
- 3 Purchase of empty containers Rs.1000/- at a time

ADDITIONAL POWERS TO ASSISTANT DIRECTOR (IN CHARGE OF FARMS)

- 1 Write off of Poultry Rs.200/- in each case with annual limit of Rs.2000/-
- 2 Purchase of Medicines Rs.2000/- at a time with annual limit of Rs.10,000/-
- 3 Sanction local purchase for 3 months in absence of valid contract
- 4 Purchase of Feed/Fodder/Feed Ingredients Purchase feed ingredients for feed mixing unit for 5 months in absence of valid contract up to a limit of Rs.15,000 each time
- 6 Purchase of empty containers Rs.1000/- at a time
- 7 Repairs & replacement of parts of refrigerators/tools/plants & other equipments Rs.700/- in each case annual limit of Rs.3000/-
- 9 Uniform Cloths & foot wears

DIRECTORY OF OFFICERS

DIRECTORATE OF ANIMAL HUSBANDRY, Vikas Bhavan, Thiruvananthapuram

Dr. M K Prasad , Director	Phone: Off Phone: 2302283 Fax: 0471 2302283 Email: directorah.ker@nic.in	Res/Mob 9446542283
Dr. V Sunilkumar, Additional Director (AH)	2302381	
Dr. M K Pratheepkumar, Additional Director (Plg)	2302381 Fax: 0471 2301190	
Dr.Rajaswari , Joint Director (L P)	2303683	
Dr. Sabu S M , Joint Director (P)	2303683	
Sri.N Ramakrishnan Joint Director (Statistics)	2303683	
Dr. KrishnaKumar B, Deputy Director (Planning)	2302683	
Dr. Jyasree J, Deputy Director (Swine Husbandry)		2302683
Dr.Jayasree J, Deputy Director (Poultry)		
Dr.Rani S S, Deputy Director (KV)		2303683
Dr. Jaya Chandi , Deputy Director (Extension)		2303683
Dr. Sindhu K, Deputy Director (Veterinary)		2303683
Dr. Giridhar S, Assistant Director(Cattle Development)		2303683
Dr. R Venugopal , Assistant Director (Rabies Eradication)		2303683
Dr. Vinay Raj Stephen, Assistant Director(CSO)		2303683
Dr. Rayne Joseph S.S, Assistant Director(FD)		2303683
Dr. A.H Shajil , Assistant Director(Planning)		
Dr.Manu P Raveendran,Veterinary Surgeon(Plg)		
Dr.G.Ganesh ,Veterinary Surgeon(Plg)		2303683
Dr.J Balachandran (IT Officer)		2303683

OTHER OFFICERS

Dr.Sreekala K , Additional Director Special Livestock breeding programme		0471- 233066
Dr. Manju Sebastin, Director , Institute of Animal Health &Veterinary Biologicals, Palode		0472 2840262
Dr.Madhu , Registrar, Kerala State Veterinary Council, Peroorkada,TVM	0471 2435246	0471 2555475

Dr. , Project Coordinator, Goraksha
(Animal Disease Control Project) 0471-255615:

Dr.Jayachandran R, Chief Disease Investigation
Office (I/C), Palode 0472 2840252 Fax 04722840743

Dr. Terrence B Remady, Principal Training Officer, Livestock
Management Training Centre, Kudappanakunnu 0471 2732918

Dr.Muhamood P, Principal Training Officer,
Livestock Management Training Centre, Mundayad 0497 2721168

Dr. Jyothish Kumar, State Epidemiologist 0471-2476962

Production Manager,
Central Hatchery, Chengannur 0479 2452277

Avian Disease Diagnostic
Laboratory,Thiruvalla 0469 2700413

Cattle Sterility Office, Aluva 0484 2624441

DISTRICT ANIMAL HUSBANDRY OFFICERS

	Office
Dr., Thiruvananthapuram	0471 2330736
Dr. , Kollam	0474 2793464
Dr., Pathanamthitta	0468 2322762
Dr.,Idukki	04862 222894
Dr., Kottayam	0481 2563726
Dr. , Alappuzha	0477 2252431
Dr. , Ernakulam	0484 2360648
Dr. , Thrissur	0487 2361216
Dr., Palakkad	0491 2520297
Dr.,Malappuram	0483 2734917
Dr., Kozhikode	0495 2768075
Dr., Wayanad	04936 202292
Dr., Kannur	0497 2700267
Dr., Kasargod	0499 4255483

E-mail addresses of District Animal Husbandry Officers

Kasargode	dahoksd@kerala.nic.in
Kannur	dahoknr@kerala.nic.in
Kozhikode	dahokzd@kerala.nic.in
Wyanad	dahowynd@kerala.nic.in
Malappuram	dahompm@kerala.nic.in
Palakkad	dahopkd@kerala.nic.in
Thrissur	dahotsr@kerala.nic.in
Ernakulam	dahoekm@kerala.nic.in
Idukki	dahoidki@kerala.nic.in
Kottayam	dahoktm@kerala.nic.in
Alappuzha	dahoalp@kerala.nic.in
Pathanamthitta	dahopta@kerala.nic.in
Kollam	dahoklm@kerala.nic.in
Trivandrum	dahotvm@kerala.nic.in

PUBLIC RELATIONS OFFICERS

State PRO
Assistant PRO

Contact No.
0471 2302683
0471 2303683

Mobile No

CENTRAL VETERINARY STORES

Thiruvananthapuram
Thrissur
Kozhikode

Office
0471 2330736
0487 2282153
0495 2723408

Res./Mobile

DISTRICT VETERINARY CENTRES

Thiruvananthapuram	0471 2302643
Kollam	0474 2795076
Pathanamthitta	0468 2270908
Idukki	0486 2229063
Kottayam	0481 2564623
Alappuzha	0477 2252285
Ernakulam	0484 2351264
Thrissur	0487 2334686
Palakkad	0491 2520297
Malappuram	0483 2734815
Kozhikode	0495 2368349
Wayanad	04936 202729
Kannur	0497 2700184

DEPARTMENT LABORATORIES

Chief Disease Investigation Office, Palode	0472 – 2840252 Fax: 0472 – 2840262
Avian Disease Diagnostic Laboratory Thiruvalla	0469 – 2700413
National Project on Rinderpest Eradication, Palakkad	0491 – 2520626
Disease Investigation Office, DVC, Kannur.	0497 – 2700184

LIVESTOCK MANAGEMENT TRAINING CENTRES

LMTC, Kudappanakunnu	0471 2732918
LMTC, Mundayad	0497 2721168
LMTC, Aluva	0484 2624441
LMTC, Malampuzha	
PTI, Chengannur	0479 2452277

Projects and Programmes

1. VIDARBHA PACKAGE

Assistance to farmer families in the districts of Palakkad, Wyanad and Kasargode who are in distress by providing a comprehensive package consisting of cattle, feed, insurance coverage, medicines, artificial insemination etc.

2. TSUNAMI REHABILITATION PROJECT

Assistance to farmers of coastal districts affected by tsunami by providing them with livelihood through animal husbandry activities

3. RASHTRIYA KRISHI VIKAS YOJANA

Assistance to farmers to promote animal husbandry activities and increase the milk meat and egg production of the State

4. INTEGRATED LIVESTOCK DEVELOPMENT PROJECT

A novel project to promote the concept of mixed farming through group activity thereby increasing the production of milk meat and egg in the State

5. DISTRIBUTION OF ONE LAKH CALF CARE KITS

New born female calves registered and dewormers and mineral mixture and vitamins supplied to them

6. AWARENESS CAMPS IN DAIRY BLOCKS

7. ROUND THE CLOCK FUNCTIONING OF DISTRICT VETERINARY CENTRE

8. TURKEY REARING SCHEME

A scheme to promote turkey rearing. Birds given to beneficiaries with 50% assistance

9. ANIMAL HUSBANDRY INFORMATION UNITS

10. PRODUCTION OF MULTI MEDIA EXTENSION KITS AND VISUAL PROGRAMMES

11. DEPARTMENTAL PUBLICATION DIVISION AND CALL CENTRE AT THE DIRECTORATE OF ANIMAL HUSBANDRY

12. FIELD VISITS

13. “GOSURAKSHA” -CATTLE INSURANCE SCHEME

Milch animals (cattle and buffalo) in the districts of Palakkad and Alapuzha

14. INTRODUCTION OF PREMIUM BULL SEMEN

High producing animals in the entire state of Kerala inseminated with premium bull semen

15. ESTABLISHMENT OF NEW VETERINARY INSTITUTIONS

16. CONSTRUCTION OF BUILDINGS FOR VETERINARY INSTITUTIONS WITH 50% SHARE FROM LOCAL BODIES

17. DISTRIBUTION OF MASTITIS KITS

18. INFERTILITY CLINICS

19. REGIONAL AWARENESS CAMPAIGNS

20. RABIES AWARENESS CAMPAIGN

21. UPGRADATION OF DISTRICT VETERINARY CENTRES

22. STATE/DISTRICT LEVEL SEMINARS

23. DEWORMING OF MILCH ANIMALS

24. DISTRIBUTION OF MINERAL MIXTURE

25. PURCHASE OF CATTLE/BUFFALO

26. FODDER CULTIVATION

All available lands of departmental farms will be utilized for fodder cultivation

Azolla cultivation will be promoted

27. REVIVAL OF EGGER NURSERIES

28. BACKYARD POULTRY REARING A SCHEME

29. PROPAGATION OF MALABARI BREEDS OF GOATS

30. SATELLITE UNITS FOR PIG REARING

31. RABBIT BREEDING PROGRAMME

32. DUCK AND QUAIL PRODUCTION

33. SPECIAL LIVESTOCK BREEDING PROGRAMME (SLBP)

Calves and buffaloe calves in the age group of 4-6 months enrolled and calf feed distributed till 32 months of age (36 months for buffalo calves) or till the date of calving which ever is earlier. 25% assistance from government, 25% from local body and 50% by the beneficiary.

CENTRALLY SPONSORED PROGRAMMES

34. FOOT AND MOUTH DISEASE VACCINATION PROGRAMME in the districts of Thiruvananthapuram, Kollam and Pathanamthitta (100% central assistance).

35. OPERATION RINDERPEST

Stock route search, village search, Sero surveillance of Rinderpest

36. ASSISTANCE TO STATE FOR CONTROL OF ANIMAL DISEASE (ASCAD)

Animal disease surveillance, prophylaxis and control of diseases, awareness programmes, data collection on animal diseases, publication of leaflets, upgradation of laboratories, biological production units etc

37. ASSISTANCE TO STATE POULTRY AND DUCK FARMS

38. NATIONAL FODDER DEVELOPMENT PROGRAMME

Cultivation of fodder in land available with the government and private sector

39. CONSERVATION OF INDIGENOUS SMALL RUMINANTS AND DUCKS

Conservation of germ plasm of small breeds of ruminants and ducks in the verge of extinction.

Services

Veterinary Services to animals of farmers through Veterinary Institutions spread across the State

Artificial Insemination Services to animals of farmers

Assistance to farmers to promote various Animal Husbandry Activities Training and extension to farmers

Meat inspection of slaughtered

animals Control of zoonotic diseases

eServices

G2C

Toll free number for farmers to redress their issues

Departmental website to provide extensive information about the departmental activities

Downloadable application formats for farmers on website

Beneficiary list published on website for information and transparency G2E

Web enabled AHEAD software for managing information,inventory,statistics,reports

Web enabled IntraAHD software for disseminating of information like news, notice board postings, GOs, circulars, training calendars etc

Vital statistics

Livestock Population of Kerala (number in lakhs)

ANNUAL PRODUCTION		2002-03	2003-04	2004-05	2005-06
Milk (in ' 000 tonnes)					
Cows	Indigenous	175.93	136.32	108.85	108.176
	Crossbred	2088.78	1855.68	1803.57	1839.340
Total Cows Milk		2264.71	1992.00	1912.42	1947.516
Buffaloes		48.03	39.79	37.93	36.474
Goat		106.24	78.77	74.86	79.210
Total milk production		2418.98	2110.55	2025.21	2063.200
Egg (in lakh no.s)					
Fowls		12475.45	11704.57	10948.63	10922.083
Ducks		993.43	1063.57	1025.54	1033.855
Total eggs		13468.88	12768.14	11974.17	11955.938
Meat (in MT.) {Organised sector only}					
Cattle		25897	29863	33181	31358
Buffaloes		8637	8620	9846	13478
Goat & Sheep		6276	6696	6677	6709
Pig		1994	2484	4485	4378
Total Animal Meat in the organised sector		42804	47663	54189	55921
Total poultry meat		52611	39327	32704	27609
Total meat production (including unorganised Sector)		181023	182316	195271	195372

Livestock Population of Kerala (number in lakhs)

Species	2000	2003
Cattle	2490707	2122453
Buffaloes	111465	64618
Goats	1598159	1213173
Pigs	88042	76452
Poultry	14913040	12215762

Veterinary services in the institutions under Animal Husbandry department

Number of	2002-03	2003-04	2004-05	2005-06
1. Cases treated	4924597	4628952	4879854	5028750
2. Operations	144871	136287	138152	125497
3. Castrations	5919	5911	5760	5328
4. Vaccinations	4485006	5045740	7576849	11626017
5. Anti rabies vaccinations	116024	131812	112917	100913
6. AI done	1369112	1231407	1176318	1173810
7. Calvings (recorded)	402173	353764	357718	355011
8. Chicks produced	706881	976869	714431	515232
9. Ducklings produced	6258	13184	25003	7496
10. Turkey produced	3463	3089	2572	3480

11. Quails produced	13372	37849	19534	
12. Farmers insured under Kamadhenu insurance	7251	8220	7069	
13. Cattles insured under Kamadhenu insurance	5190	5058	4088	

Growth of Veterinary Institutions in Kerala												
Year	DVC	VPC	VH/VD	Mobile Veterinary Hospital/Dispensary	Mobile Farm Aid Unit	ICDP Office	Livestock Farm	Goat Farm	Poultry Farm	Piggery Units/Farm	Other Institutions including ICDP Sub Centres	Total
1992-93	8	51	657	10	18	8	4	2	14	7	1034	1813
1993-94	8	51	705	11	17	8	4	2	14	7	1087	1914
1994-95	8	51	996	11	17	8	4	2	14	7	1113	2231
1995-96	8	51	1064	11	17	8	4	2	14	7	1112	2298
1996-97	8	51	1047	9	17	8	4	2	14	7	1169	2336
1997-98	9	51	1038	10	17	8	4	2	14	7	1209	2369
1998-99	14	49	1049	9	17	9	4	2	14	7	1412	2586
1999-00	14	47	1046	9	17	9	4	2	14	7	1465	2634
2000-01	14	47	1046	9	17	9	4	2	14	7	1556	2725
2001-02	14	47	1046	9	17	9	4	2	14	7	1515	2684
2002-03	14	47	1046	9	17	9	4	3	14	7	1529	2699
2003-04	14	47	1046	9	17	9	4	3	14	7	1543	2713
2004-05	14	47	1046	9	17	9	4	3	14	7	1503	2673
2005-06	14	47	1069	9	17	9	4	3	13	7	1501	2693

Institutions under Animal Husbandry Department

Sl. No.	Institutions	Numbers
1	District Veterinary Centre	14
2	Veterinary Poly Clinics	47
3	Veterinary Hospitals	213
4	Veterinary Dispensaries	856
5	Mobile Veterinary Hospitals/Dispensaries	9
6	Motor Boat Veterinary Hospital	1

7	Mobile Farm Aid Units	17
8	Intensive Cattle Development Projects	9
9	Regional Artificial Insemination Centers	37
10	ICDP sub centers	1358
11	Livestock Farms	4
12	Goat Farms	3
13	Pig breeding farms	1
14	Pig breeding units	6
15	Regional poultry farms	7
16	District poultry farms	2
17	Central Hatchery	1
18	Duck farm	1
19	Turkey farm	1
20	Rinderpest Eradication Scheme, Palakkad	1
21	RP check posts	17
22	RP Mobile units	2
23	RP Vigilance Unit	6
24	Livestock management Training Centers	6
25	Poultry Training Centre	1
26	Chick Sexing School	2
27	SLBP HQ.'s, Trivandrum	1
28	SLBP deputy dr. office	3

29	Calf feed subsidy scheme office	5
30	Cattle Sterility Office, Alua, Ernakulam	1
31	Avian Disease Diagnostic Lab,Thiruvalla	1
32	Livestock Disease Control Office	1
33	Disease Free Zone Units	3
34	Chief Disease Investigation Office, Palode	1
35	Epidemiology Cell	1
36	Institute of Animal Health & Veterinary Biologicals, Palode	1
37	Central Veterinary Stores	3
38	Livestock & Marine products Inspecting Lab, Ernakulam	1

OTHER IMPORTANT INSTITUTIONS UNDER THE DEPARTMENT

INSTITUTE OF ANIMAL HEALTH & VETERINARY BIOLOGICALS, PALODE

The Institute of Animal Health & Veterinary Biologicals located at Palode, Thiruvananthapuram District, was set up by the Animal Husbandry Department during December 1979. The Institute was established with a view to meet the increasing demand for Veterinary Biologicals, which were earlier, produced on a limited scale at the Veterinary Biological Institute at Mannuthy, Thrissur. The institute is at present producing viral and bacterial vaccines against cattle and poultry diseases.

The campus extends over 46.526 Acres of land and consists of main Laboratory Complex, Standardization Laboratory, Research and Development Division, Administrative Block, Animal Breeding Station, Observation Sheds, Incinerator, and Residential Quarters.

This Institute plays a major role in protecting domestic animals and birds against major infectious Diseases that could be controlled by vaccination. It is worth mentioning the

fact that the Tissue Culture Rinderpest (TCRP) vaccine manufactured and released from the year 1987 onwards paved the way for eradicating this dreaded scourge from the state by 1997. The institute is currently manufacturing four Freeze Dried Attenuated Viral Vaccines for use in Poultry and four bacterial vaccines for use in diary Industry. These immuno-biologics are subjected to rigorous in vitro, and in vivo testing protocols in line with the current international Standards and supplied to the farming community free of cost through a strong network of Veterinary Service Institution through out the state.

Laboratory animals like Guinea Pigs, rabbits, white mice, chicks, ducks and small ruminants are maintained here for testing the safety and efficacy of these products. The range of products also includes various reagents and diagnostics of veterinary use.

OBJECTIVES

1. Production and distribution of vaccines, diagnostics, reagents and veterinary pharmaceuticals
2. Quality Control of the products.
3. Research on Animal diseases, immunology and vaccinology.
4. Extension and training.

FACILITIES

The Institute has 14,000 square feet of clean area designated for the production of Biologicals, a media preparation unit, a centralized washing facility, walk in incubators, refrigerators and deep freezer. The imported freeze drier has a capacity to lyophilize 5000 vials of 2ml capacity in one cycle. The separately located standardization laboratory along with the animal testing unit is capable of testing and assuring the quality of all the vaccines and Biologicals produced here. The CPCSEA certified animal house has an attached small animal breeding unit and an incinerator for scientific disposal of Biological wastes. The erstwhile tissue culture Rinderpest vaccine Production Unit was later converted in to the research and Development wing that provides back up support for introducing new biologicals and improving the quality of the conventional products.

STAFF

The Director who is in the cadre of Additional Director in the department heads the Institute. The Senior Research officer and the Standardization Officer control the production unit and the Standardization Unit respectively. Teams of veterinarians under these unit heads perform and supervise the work in different subsections. Other than these officers the employees here comprise of Laboratory Technicians and Attendants.

SCHEMES

1. Supply of Poultry vaccines under ASCAD Scheme – 12 Million Doses of RDK and 1 Million dose of DPV.
2. Distribution of 44,000 mastitis Kits to Livestock farmers.

RESEARCH

1. Production and Standardization of Calf hood vaccine – Brucella abortus Strain 19 Live attenuated vaccine
2. Development of vaccines for Rabies, Marek's Disease and infectious Burzal Disease.
3. Development of Rapid Field Diagnostic Aids m for Bovine Pregnancy Detection.
4. Sero – epidemiology of Brucellosis in Kerala.
5. Foot & Mouth Disease antibody profiling in vaccinated Live stock and virus typing if an out break has occurred as a part of ADCP- Goraksha

TRAINING

The institute offers training and Project Work in subjects relating to vaccine production and Research to graduate students of Microbiology and Biotechnology. Final year students of Kerala Veterinary College, as part of their coarse curriculum, undergo regular training in this Institute.

CHIEF DISEASE INVESTIGATION OFFICE, PALODE (State Referral Laboratory)

The Chief Disease Investigation Office (CDIO) situated at Palode is the state diagnostic and referral laboratory of Kerala State under the Department of Animal Husbandry.

The high yielding crossbred animals which were evolved as a result of modern scientific breeding programme seemed to be more susceptible to common as well as newly emerging diseases. In order to combat this situation and to control and co-ordinate the disease investigation activities of the entire state, a disease investigation organization was formed. In 1982 the office started functioning in its own building at Palode in Thiruvananthapuram District.

Objectives of CDIO

- Specific disease investigation for fast and accurate diagnosis during outbreaks.
- Referral support to laboratories for diagnosis.
- Coordination and control of activities of clinical laboratories.
- Research on animal and avian diseases.
- Disease surveillance for existing as well as emerging diseases.
- Training of Veterinarians and Para veterinarians in latest diagnostic methods.

Chief Disease Investigation Office also functions as the link between the department and other reputed diagnostic institutions in the country.

Staff Patten

The Chief Disease Investigation Officer in the cadre of Joint Director heads the office. Three Disease Investigation Officers in the cadre of Assistant Directors help the CDIO in disease surveillance, outbreak management, disease diagnosis etc. Four Veterinarians perform and supervise the work in different Laboratories. Other than these officers the employees here comprise of one Chemist, one Livestock Assistant, four Laboratory Technicians and Attendants.

Network Unit of FMD

In the year 2000, the All India Coordinated Research Project (AICRP) on FMD identified the Chief Disease Investigation office as its Network Unit in Kerala State for Foot and Mouth Disease Virus Typing. In this laboratory samples suspected for FMD from different parts of the state are being typed for FMD virus using the Sandwich ELISA method. The results will be communicated to the concerned officers and a part of the sample will be sent to IVRI, Mukteswar for further virus characterization.

Collaborating Unit of PD- ADMAS

During the year 2004, Chief Disease Investigation office was selected as the collaborating unit of

Project Directorate on Animal Disease Monitoring and Surveillance under ICAR. CDIO is the Principal Investigator for implementing the mandates of the project, the important aspect being disease surveillance of the State.

Nodal Office of SRDDL, Bangalore

CDIO is functioning as the Nodal office of SRDDL, Bangalore for the last 2 years. Recording of major disease outbreaks and compilation of the disease profile of the state are being carried out on a monthly basis under this project.

Technical Control of Labs

CDIO has the State Lab status with technical control of all labs and Epidemiology wing in the state under AHD. 4 Regional laboratories were established under CDIO. They are

- Chief Disease Investigation Office, Palode, Thiruvananthapuram,
- Avian Disease Diagnostic Laboratory, Thiruvalla,
- National Project for Rinderpest Eradication Lab, Palakkad
- Disease Investigation Officer, Kannur.

The Chief Disease Investigation Officer is entrusted with the disease investigation works of the whole state of Kerala. For ease of operation, a disease investigation team was set up in each district. In an outbreak, the district team will carry out preliminary investigation. Further investigation, if required will be done by the regional laboratories. The control measures as well as the precautionary steps to be taken in each outbreak will be briefed to the concerned officers. CDIO will monitor the outbreak situation.

Mobile Diagnostic Laboratory for Field Investigation works:

Chief Disease Investigation Office is equipped with a Mobile Diagnostic laboratory for conducting field diagnostic works. The vehicle has a refrigerator, centrifuge, washbasin and other storage facilities.

Screening Tests

As a part of State and National eradication programs, CDIO conducts mandatory screening for diseases like Brucellosis, Tuberculosis, Johne's disease and Salmonellosis among livestock and poultry maintained in Departmental farms and in other private farms periodically.

Farm visits

The disease investigation team conducts routine visits in various Government farms to assess the health status of livestock and poultry maintained in the farms.

Training:

This has been an integral part of CDIO in disseminating the improved knowledge and skill to field veterinarians and Para veterinarians.

Research Facilities:

The laboratories of CDIO is equipped with modern facilities to provide opportunities for advanced study research workers and post graduate students in various aspects.

Disease Surveillance

(a) Surveillance for TB & Johne's disease

Routine surveillance for Tuberculosis and Johne's disease are being conducted periodically in all Govt. farms.

(b) Avian Influenza Surveillance

Random samples from domestic as well as migratory birds are routinely being collected from different parts of the state and forwarded to Southern Regional Disease Diagnostic Laboratory, Bangalore for bird flu screening as a part of national surveillance.

(c) Bovine Spongiform Encephalopathy (BSE) Surveillance

As a part of national surveillance, formalinised bovine brain samples from various slaughter houses in different parts of the State are being collected and forwarded to Southern Regional Disease Diagnostic Laboratory, Bangalore.

Diagnostic Facilities at CDIO, Palode

Well equipped laboratories at Chief Disease Investigation Office, Palode offers the following facilities in the field of diagnostics.

Pathology laboratory

- Postmortem examination
- Clinical pathology- routine haematology, urine analysis, diagnostic cytology (sinus tumour detection)
- Histopathology
- Serum biochemistry - estimation of calcium, phosphorus, cholesterol, protein, albumin, SGPT, SGOT and creatinine in serum

Microbiology laboratory

- Isolation and identification of bacteria and fungi
- Antibiotic sensitivity test

- ELISA test for diagnosis of brucellosis, IBR, Johne's disease*, Toxoplasmosis, Swine fever and CRD*
- Dark field microscopy and Silver impregnation staining technique for diagnosis of Leptospirosis.
- Staining for Mycobacteria (Acid fast and fluorescent staining)
- Detection of microbial count in water samples
- Plate agglutination and Tube agglutination test for Brucellosis
- Rapid plate agglutination test for Salmonellosis
- Intradermal test for Tuberculosis and Johne's disease

Parasitology laboratory

- Examination of dung / faecal samples for parasites
- Examination of skin scrapings for ectoparasites
- Identification of blood parasites

Toxicology laboratory

- Qualitative analysis (spot tests) of toxins- HCN, oxalic acid, zinc phosphide, nitrates and nitrites, fluorides, heavy metals, sulphides, iodine and tannin
- Mycotoxin estimation by Thin Layer Chromatography

PCR laboratory

- Diagnosis of Leptospirosis by PCR

FMD laboratory

- Sandwich ELISA for virus typing
- LPB ELISA for Seromonitoring of FMD

Rabies diagnostic laboratory

- Negri body detection and Fluorescent Antibody Technique for rabies diagnosis.

Newly introduced diagnostic facilities at CDIO & Clinical sample required for performing the test.

1. Serum biochemistry - estimation of calcium, phosphorus, cholesterol, protein, albumin, SGPT, SGOT and creatinine in serum-
 - Serum samples of any species in cold chain

2. Histopathology
 - Tissue samples in 10% formalin
3. ELISA test for diagnosis of brucellosis, IBR, Johnes disease* in cattle by antibody detection
 - Serum samples in cold chain
4. ELISA test for diagnosis of toxoplasmosis in sheep and goat by antibody detection
 - Serum samples in cold chain
5. ELISA test for diagnosis of swine fever in pigs by antibody detection
 - serum samples in cold chain
6. ELISA test for diagnosis of Mycoplasmosis (CRD) in poultry by antibody detection
 - serum samples in cold chain
7. Acid fast and fluorescent staining test for Mycobacterium
 - Nasal smear, milk smear or impression smears from tissues
8. Mycotoxin estimation by Thin Layer Chromatography
 - feed sample 200g
9. Diagnosis of Leptospirosis by PCR
 - serum samples or whole blood in cold chain or tissue samples in normal saline in cold chain

AVIAN DISEASE DIAGNOSTIC LAB, THIRUVALLA

Regional Disease Diagnostic Laboratory, Thiruvalla

Avian Disease Diagnostic Laboratory is a prestigious institution under Department engaged in disease diagnosis, disease surveillance, and extension activities. This institution started functioning in 1979 and is located at Manjadi, Thiruvalla. Now ADDL has expanded its horizon by being elevated as a Regional Disease Diagnostic Laboratory under Chief disease Investigation Office, Palode having jurisdiction of over the four districts of Pathanamthitta, Alappuzha, Kottayam and Idukki, tackling diseases of animals and birds.

Staff Pattern

Head of the office is a Deputy Director and he is assisted by three Assistant Directors for disease surveillance and diagnosis. Two Veterinary Surgeons perform and supervise the work in different Laboratories.

Major ongoing activities

1. Laboratory diagnostic services and forecasting of major diseases
2. Outbreak management
3. Disease investigation
4. Disease surveillance including Avian Influenza – The work include forecasting of Poultry Diseases, epidemiological study, collection and preservation of data, specimens, monitoring the health status of livestock and poultry and quality of products and by-products and extension education and training programmes for veterinarians, paravets and farmers by conducting camps, symposia, discussions, seminars etc.
5. Advising treatment strategies for control of disease
6. Monitoring health status in poultry and livestock farms
7. Guidance to farmers on maintenance of healthy flocks and profitable poultry production and management
8. Conducting training programmes, awareness camps, symposia etc
9. Collection, preservation and despatch of samples to higher laboratories for confirmatory diagnosis

RINDERPEST ERRADICATION LABORATORY, PALAKKAD

Regional Disease Diagnostic Laboratory, Palakkad

This Laboratory was established under the Rinderpest Eradication Scheme in 1965 at Palakkad, as part of the National Rinderpest Eradication Programme along with 16 check posts, 6 vigilance units, 2 mobile units, 2 mass vaccination squads. In 2004, the Country has been declared free from Rinderpest and now Sero surveillance, stock route search, border control measures, clinical diagnoses and prevalence of RP and RP like diseases are undertaken under the scheme.

Since then, RP laboratory was converted as a Regional Disease Diagnostic Laboratory and was brought under the control of Chief Disease Investigation Office, Palode as a part of standardizing the diagnostic facilities of the Department.

Staff Pattern

A Joint Director is the head of the office. He is assisted by an Assistant Director and two Veterinary Surgeons in disease investigation work.

Present activities

Apart from the clinical surveillance and disease investigation through Rinderpest Vigilance units and Mobile vigilance units, the RP Laboratory also carries out

- Investigation of disease outbreaks.
 - Disease Diagnosis and Outbreak management
 - Forecasting of major diseases
 - Surveillance of major existing as well as emerging diseases.
 - Periodic monitoring of health status in Govt. livestock and poultry farms.
 - Training of Field Veterinarians.
 - Conducting awareness programmes, camps etc
- Collection, preservation and despatch of samples for National surveillance of certain diseases like Avian Influenza, BSE etc.
- Stock route searches, Serum collection from villages identified by NPRE and from villages adjacent to forests and wild life sanctuaries.
- Monitoring at border check posts

DISEASE INVESTIGATION OFFICER, KANNUR

Regional Disease Diagnostic Laboratory, Kannur

This institution is functioning along with the District Veterinary Centre campus at Kannur. Recently the laboratory has been upgraded as a Regional Disease Diagnostic Laboratory under Chief disease Investigation Office, Palode with a view to look after the disease conditions of the northern districts of Kerala. The DIO is an officer in the cadre of Assistant Director.

Major activities

- Disease investigation
 - Diagnosis and forecasting of major diseases
 - Outbreak management
 - Disease surveillance
 - Monitoring health status in livestock and poultry farms
 - Conducting training programmes, awareness camps etc
- Collection, preservation and despatch of samples for National surveillance of

certain diseases.

LIVESTOCK DEVELOPMENT PROGRAMMES OF DEPARTMENT

The Department has visualized many schemes to improve the quality and quantity of milk, egg and other animal products and by products in the state. Some of the important schemes under this are

1. Cattle Development schemes
2. Cattle Sterility schemes.
3. Livestock Farms
4. Goat Rearing Schemes
5. Pig Rearing Schemes
6. Rabbit Rearing Schemes
7. Poultry Development Schemes

INTENSIVE CATTLE DEVELOPMENT PROJECT

This project was established with the view to step up milk production by improving the local poor yielding animals by cross breeding. There are 9 Intensive Cattle Development Projects (ICDPs) in operation in the state. They are at **Thiruvananthapuram, Kottarakkara, Pathanamthitta, Idukki, Aluva, Mala, Palakkad, Kozhikkode and Kannur.** The head quarters of the project is at Thiruvananthapuram and is looked after by a Deputy Director.

CATTLE STERILITY OFFICE

The Cattle Sterility Office situated at Alua in Ernakulam district is functioning with the following major objectives.

- Screening of Cross bred cows, Heifers and Buffaloes to assess infertility problems.
- To investigate the causes leading to infertility problems in these animals.
- To rectify the cause of infertility by treating these animals.
- To publish data on the diagnosis, treatment, results achieved and to suggest ways to modify the breeding and management practices.
- To estimate minerals and hormonal level of blood/serum in animals for diagnosing

infertility problems and to suggest proper treatment for the conditions.

FARMS UNDER THE ANIMAL HUSBANDRY DEPARTMENT

The farms of the Animal Husbandry Department act as demonstrational farms for farmers and animal husbandry entrepreneurs and provide practical training to Internship trainees from Veterinary Colleges, Livestock Inspector Trainees, students of the Vocational Higher Secondary courses, and school students. Farmers attending various training programmes at the LMTC"s are also being given hands-on training in these farms.

Cattle farms

Cattle farms under the Animal Husbandry Department are intended to function as a model to the public to learn scientific practices in animal husbandry and production of clean milk as well as being a source of quality milk, calves, farm manure, etc.

There are 4 cattle farms under the Department.

1. District Livestock Farm, Kudappanakkunnu.
2. Jersey Farm, Vithura.
3. Jersey farm Extension Unit, Chettachal.
4. Buffalo Breeding Farm, Kuriottumala.

Goat farms

Goat farms under the animal husbandry department are rearing different breeds of goat like Malabari, Attapadi Black, etc. The Agali Goat Farm is maintaining a stock of Attapadi Black. The remaining five farms are engaged in the conservation and propagation of the Malabari breed. The primary objective is to facilitate the conservation of local germplasm. As part of the conservation and propagation programme, the Department intends to start 100 satellite goat units comprising five does and one buck each.. The secondary objective is to produce kids and supply them to the interested farmers. There is

now a positive trend among youngsters regarding animal husbandry activities especially goat rearing, since goats are highly prolific and profit can be made within a short period of time.

There are 3 Goat Farms and 3 Goat rearing units under the department.

Goat Farms

1. Goat Farm, Parassala, Thiruvananthapuram.
2. Goat Farm, Attappady, Agali, Palakkad.
3. Goat Farm, Kommeri, Kannur.

Goat rearing units

4. Goat rearing Unit, District Livestock Farm, Kudappanakkunnu, Thiruvananthapuram.
5. Goat rearing Unit, Jersey Farm, Vithura, Thiruvananthapuram.
6. Goat rearing Unit, Buffalo Breeding Farm, Kuriottumala, Kollam

Pig farms

Pig farms under the Animal Husbandry Department are functioning as production and demonstration units to farmers. The primary objective is to supply good quality piglets of exotic breeds and crosses of them to interested farmers. As pig farming is considered to be a lucrative enterprise by many farmers, demand for good quality piglets is on the rise.

There are 7 Pig breeding units and 1 Pig breeding farm under the department.

1. Pig Breeding Farm, Kappad, Kottayam.
2. PBU, Parassala, Thiruvananthapuram
3. PBU, DLF, Kudappanakkunnu, Thiruvananthapuram.
4. PBU, BBF, Kuriottumala, Kollam
5. PBU, Thalayolapparambu, Kottayam.(Non functional)
6. PBU, Kolani, Idukki.
7. PBU, Angamali, Ernakulam.

8. PBU, Kunnamkulam, Thrissur
9. PBU, RPF, Mundayad

Poultry farms

Poultry farms under the Animal Husbandry Department act as commercial farms for the production of good quality layer chicks suitable for backyard rearing. Chicks are supplied to egg nurseries as well as interested farmers. The eggs produced in the farms are sold to farmers both as hatching eggs and table eggs. The farms can also act as demonstration and conservation units for rare and fancy breeds. It is proposed to start such units in the District Livestock Farm, Kudappanakunnu, Central Hatchery, Chengannur, RPF Malampuzha and RPF Mundayad. The breeds proposed are Aseel, Kadaknath, Naked Neck, Polishcap, Bantams, Brahma, Millifleur, Muscovy ducks, geese, guinea fowl, etc.

There are 10 Poultry farms under the department.

1. Central Hatchery, Chengannur.
2. Regional Poultry Farm, Kudappanakkunnu, Thiruvananthapuram
3. Regional Poultry Farm, Kureppuzha, Kolla, (Turkey Farm)
4. Regional Poultry Farm, Manarcadu, Kottayam.
5. Regional Poultry Farm, Koovappady, Ernakulam.
6. Regional Poultry Farm, Malampuzha, Palakkad.
7. Regional Poultry Farm, Chathamangalam, Kozhikkode.
8. Regional Poultry Farm, Mundayad, Kannur.
9. District Poultry Farm, Athavanad, Malappuram
10. District Poultry Farm, Kolani, Idukki.

Quail Production Units

There are three Quail Production Units under the Department. The poultry farms engaged in rearing **quails** provide parent stock, hatching and table eggs, and impart practical training and other related services to farmers.

The Quail Production Units under the Department are

- Central Hatchery, Chengannur,
- Regional Poultry Farm, Chathamangalam, Kozhikkode
- District Livestock Farm, Kudappanakkunnu

Turkey Farm

The Turkey Farm at Kureeppuzha, Kollam is the only such farm under the department. It functions as a demonstration and propagation unit and sells poult and eggs for hatching and table purposes.

Duck Farm

The Duck Farm at Niranam is the only duck farm under the Department. Ducks of exotic breeds like Vigova super and Khaki Campbell are maintained in this farm. Conservation and propagation of indigenous breeds like “Chara” and “Chempally” are also given due consideration. The farm is poised for large-scale development into a centre of excellence in duck farming.

Rabbit rearing Units

There are 3 rabbit rearing units under the department. They are at

- District Livestock Farm, Kudappanakkunnu.
- Buffalo Breeding Farm, Kureeppuzha
- Regional Poultry Farm, Chathamangalam.

Exotic breeds like Soviet Chinchilla, White Giant, Grey Giant, Angora and Silver Fox are reared in these units.

INSPECTION AND CERTIFICATION OF LIVESTOCK AND MARINE PRODUCTS

Livestock and Marine products inspecting Laboratory (LPIO) was established in 1983 to enforce Quality control of Meat and Marine Products exported from different parts of Kerala. The health certificate issued by the LPIO ensures that the livestock and main products for export to foreign countries are of superior quality and that they are free from any disease condition. LPIO also provides advisory service on hygiene and sanitation to various processing units all over Kerala. This institution is functioning under the supervision of a Livestock Product Inspecting Officer in the cadre of Deputy Director.

EPIDEMIOLOGY (ANIMAL DISEASE SURVEILLANCE CELL)

The epidemiology cell of the department was established in 1982 to implement the „Animal Disease Surveillance Scheme“. A Deputy Director is in charge of all the activities of this office.

Objectives

- To collect, compile, analyse & interpret data on the prevalence of various animal diseases.
- To forecast possible outbreaks of major animal diseases.
- To study the pattern of various epidemics in different weather conditions.
- To identify areas of various deficiencies and toxicities.
- To work out economic loss due to due to various diseases. • To work out cost benefit ratio involved in treating diseases.

LIVESTOCK MANAGEMENT TRAINING CENTRES

Livestock Management Training Centres were established with a view to impart technical knowledge and to give scientific training in Animal Husbandry Disciplines. There are six Livestock Management Training Centres in the State.

1. **Livestock Management Training Centre, Kudappanakkunnu, Thiruvananthapuram** functioning under the supervision of a Principal Training Officer in the cadre of Additional Director.

2. **Livestock Management Training Centre, Aluva** is functioning under the guidance of a Deputy Director.
3. **Livestock Management Training Centre, Mundayad**, Kannur is functioning under the control of Principal Training Officer in the cadre of Joint Director.
4. **Livestock Management Training Centre, Malampuzha**, Palakkad is established in 2000.
5. **Livestock Management Training Centre Thalayolapparambu**, Kottayam was established in 2006.
1. **Livestock Management Training Centre, Kottiyam, Kollam** recently started its functions.

These centers impart training to farmers on scientific management of production units to enhance production and training to women to prepare themselves to take up small domestic units of Livestock and poultry of manageable size to supplement family income, provide technical knowledge and relevant information on various schemes implemented in the Animal Husbandry sector with a view to uplift the weaker sections of society and help the unemployed youth to gain self employment.

Trainings offered in these centers are:

1. Dairy Farming
2. Goat Farming
3. Duck Farming
4. Pig Farming
5. Broiler Production
6. Layer Management
7. Backyard Poultry Production
8. Quail Farming
9. Chick Sexing

The trainees include farmers, social workers, Ex-servicemen, School students, Housewives extension workers and people belonging to SC/ST communities. Training to

Veterinary and Para Veterinary staff of the Department and Vocational Higher Secondary Course certificate holders and 11 months training to Fresh Livestock Inspectors are also conducted

STATE ANIMAL WELFARE BOARD

Animal Welfare Board of India is an autonomous body established in 1962 by the Government of India in accordance with section 4 (1) of Prevention of Cruelty to Animals Act 1960 (59 of 1960) to promote the cause of Animal Welfare in the country and presently under the control of the Ministry of Environment and Forests, Government of India. The Board had directed State Governments to constitute State Level Animal Welfare Boards.

FUNCTIONS OF THE BOARD

- To keep the law (PCA Act 1960 and amendment rules) in force in the State for the prevention of cruelty to animals under constant study and advise to government.
- To advise the Government on the making of rules under this Act or directions with a view to prevent unnecessary pain or suffering to animals generally and more particularly by when they are being transported from one place to another or when they are now as performing animals or when they are kept in captivity or confinement.
- To advise the Government or local authority on improvements in the design of vehicles so as to decrease the cruelties during transportation and to lessen the burden on draught animals.
- To take all such steps with agencies like SPCAs, AWOs, Animal Traders, Meat Vendors etc for the construction of animal shelters, water troughs etc in markets, transportation routes, provision of food to animals, purchase of ambulance for providing veterinary assistance to ailing and abandoned animals etc.
- To advise the government or any local authority for the construction/maintenance of modern slaughter houses and to alleviate unnecessary pain and suffering in the pre slaughter stages as far as possible and to implement humane killing methods during slaughter in observation of PCA Act 1960(Slaughter Houses) Rules 2001.
- To co-ordinate the work of Animal Welfare Organisations (association or bodies established for the purpose of preventing unnecessary pain or suffering to animals or for the protection of animal and birds).
- To give financial assistances to animal welfare organization in the state on specific project

proposals, to encourage the formation of more animal welfare organizations, which shall work under the general supervision and guidance of the Board.

- To advise the Government in matters relating to veterinary medical care and other assistances to veterinary hospitals whenever the Board thinks it necessary to do so.
- To impart education in relation to the humane treatment of animals and to encourage the formation of public opinion against the infliction of unnecessary pain or suffering to animals and for the promotion of animal welfare by means of lectures books, posters, films, exhibition etc. Organise publicity campaign against cruelty issues.
- Formation of guidelines for the effective control and monitoring on the functioning of government aided Animal Welfare Organizations especially SPCAs.

OTHER INSTITUTIONS IN THE ANIMAL HUSBANDRY SECTOR

Milma or KCMMF (Kerala Co-operative Milk Marketing Federation)

was established in April 1980. With its Head Quarters at Thiruvananthapuram, KCMMF successfully implements the Operation Flood. It channelises marketable surplus milk from rural areas to urban deficit areas. It assures maximum returns to the producer and quality milk products to the consumers. And thus provides constant market and stable price to the dairy farmers for their produce. KCMMF is associating with National Dairy Development Board, Amul, Government of Kerala and the KLD Board. The KCMMF manages the brand 'milma' and allows the Regional Unions market their products in this brand name. Consumer pricing, Lean/flush season management, bulk trading, promotion etc are some of the marketing functions. The bulk purchases of dairy consumables and raw materials for Cattle Feed plants come under KCMMF. It gives technical and legal assistance to primary societies, maintains quality of products, and attends to complaints. Recommending remuneration to employees of the co operative societies, liaison with Govt. and Financial institutions, etc are some of the financial functions.

For more details –visit <http://www.milma.com/>

Kerala Livestock Development Board

The Kerala livestock Development Board was formed in 1976 by integrating the Indo- Swiss Project Kerala and the Bull Station, Dhoni of the Dairy Development Department. It is a registered company fully owned by the Government of Kerala. KLD Board is one among the many agencies entrusted with the task of implementing the Breeding Policy of the State. This was instrumental in the development of the new cattle breed 'Sunandini'. Frozen Semen from different breed / grades of highly selected bulls are produced by the Board and supplied to 2400 odd Artificial Insemination centres run by agencies as Dept. of Animal Husbandry, Milk Unions etc. A progeny testing scheme for the selection of the breeding bulls to maintain continued genetic improvement of milch cattle is also implemented by the Board with Central assistance. Every year 40 young breeding bulls are the test according to this programme.

The Board has experimental breeding farms, training centre etc. The breeding programme was first launched at Mattuppetti under the aegis of Indo Swiss project. Frozen Semen technology was first introduced by the Indo Swiss project in 1965. The Board was the first agency to introduce a sire evaluation programme for crossbred bulls under field conditions in 1977. A computerized data processing system to monitor the programme was established in 1983.

The Board is undertaking Fodder Development in the State as one of their prime duties. High yielding varieties of fodder for different agro climatic conditions are selected and developed. The Training Centre is imparting training in various disciplines like frozen semen technology, fertility problems in female bovines, progeny testing under field conditions etc. A strong R & D team supports the programmes taken up by the Board. Embryo transfer Technology is fine tuned by the Research Team and the Board is now capable to supply

embryos for field embryo transfer programme. Of late, the Board also started a pig breeding centre also.

Mattuppetti Farm

Mattuppetti is one of the most important centres of animal production and research in India. Started by the Indo Swiss Project Kerala in 1963, this farm has an area of 191 ha. Of this 113 ha. is developed into grazing lands for cattle. Mattuppetti is located at 1700 M above sea level near Munnar and is regarded as one of the most coveted spot of tourist attraction. Around 350 heads of cattle (65 bulls, 80 cows and 195 growing stock) are maintained by the farm. Around 800000 doses of frozen semen are produced annually.

The unit is controlled by Manager (AH) under whom the three sections as Animal Husbandry, Fodder and Semen Bank function. Altogether 9 officers, 23 staff and 143 permanent workers are employed here. The training centre organises practice oriented courses for veterinarians, para veterinarians and technicians in the field of animal production.

Peermed Farm

This unit was started in 1967 with its head quarters at Kolahalamed, 1100 M above sea level. It was originally intended to be a base station for the animal husbandry extension activities, this centre was later redesigned as a bull mother farm producing around 35 cross bred male calves annually. Later in 1993-94, this farm was converted into a buffalo semen production station. Around 150000 doses of frozen semen (buffalo) are produced annually. The farm has an area of 282 ha. The farm is controlled by a Deputy Manager (AH).

Kulathupuzha

This unit was established in 1974 for the production of frozen semen, with a capacity to keep 75 bulls. The station is situated in Kollam District. It also houses the Regional semen

Bank also distributing frozen semen to the southern districts. The capacity of the farm was later enhanced to stall 105 animals and 800000 doses of frozen semen are produced annually. A goat unit was also started in 1990 but was later shifted to Dhoni.

Dhoni

Started by Dairy Development Department in 1972 as a bull station to keep pure Jersey bulls for production of Coconut Milk Extended semen (CME) to supply to the Cattle Improvement Assistants, this farm was later transferred to the Board in 1976. Frozen Semen production was started and this farm was converted into a bull mother farm. This farm was identified as a centre to coordinate the fodder production, quality control, packing and distribution. This farm has also become the second centre of training of the KLD Board.

The Goat project sanctioned to the Board for the development of Malabari goats by the Government of India is located at Dhoni. It was started in 1992-93. Around 800000 doses of frozen semen are produced at this centre. A new Regional Semen Bank was also started here in 1991-92. For organizing the frozen semen sale in bulk quantities to agencies outside Kerala a sale counter was also opened in Dhoni in 1989-90.

Puthur, Thrissur

This farm is of late start and is expected to be a pig breeding centre of international standards. The farm has an area of 39.7 ha. Around Rs.7 crores have been spent to start this farm. It has a capacity to maintain 2800 pigs and the Board has used the technical know how from Philippines. It has also imported around 90 piglets of three breeds from England with help of Swiss Government. It is expected to produce 10000 piglets every year by way of artificial insemination.

Regional Semen Banks

Regional semen Banks are at Kulathupuzha, Mavelikkara, Muvattupuzha, Chalakkudy, Dhoni, Puthuppady and Kannur catering to different AI centres of the State.

Training Centre

The Training Centre at Mattupetty imparts training to technical personnel in the field of cattle breeding, frozen semen technology, AI techniques, fertility problems in female cattle, embryo transfer technology, fodder production etc.

Cattle Breeding and Progeny testing co-ordination centre, Muvattupuzha

All the cattle breeding research programmes are monitored from this station. The data on productive and reproductive parameters of the farm stock As well as the animals owned by the farmers in selected areas are compiled and analysed. Sire evaluation programme to select the best breeding bulls from each batch of breeding bulls is also on operation.

Seed Production units, Thodupuzha and Palakkad

Fodder seed production is carried out through these units. Around 10000 farmers of Idukki and Palakkad are involved in this programme. Around 50 MT of fodder seeds are collected annually.

Kerala State Poultry Development Corporation

The Corporation is engaged in the following programmes / projects / activities, to achieve the above set objectives:

1. Broiler Breeding Farm and Hatchery:

This project is established at Kudappanakunnu in Trivandrum district . The capacity of the project is to rear 25000 broilers parents at lay and to produce 56 lakhs chicks annually. The Broiler Breeding Farm and Hatchery is managed by well qualified and trained team of

professional in the field. Latest scientific technology is adopted at all stages of production of day old broiler commercial chicks.

2. Layer Breeding Farm and Hatchery:

This project is established at Kottiyam in Kollam District. The capacity of the project is to rear Layer parents sufficient to produce 10 lakhs good quality day old commercial layer chicks. The Layer Breeding Farm and Hatchery is managed by well qualified and trained team of professionals in the field.

3. Poultry Dressing and Processing Plant:

The Corporation is in the process of establishing a Poultry Dressing and Processing Plant with a capacity to process 1000 birds per shift of 8 hrs with two shift operations. Latest, Semi Automatic Machineries are being installed at the Plant so as to produce hygienically dressed, processed and packed poultry meat. The meat shall be made available both in full chicken and in cut up parts, depending on the requirement of customers.

4. Step Scheme:

The Corporation is implementing a Government of India sponsored scheme under Support to Training and Employment Programme (STEP) for women living below poverty line at Malappuram district. Under this scheme, 1000 women beneficiaries are provided with necessary technical and financial assistance for establishing individual poultry production units of their own.

5. Integration through Organized Societies

The Corporation is in the process of organizing the poultry farmers of the state of Kerala under a three tier society system so as to protect their interests.

Products Available With the Corporation

1. Hatching Eggs: Eggs from healthy parent stock maintained on balanced nutrition under ambient temperature. Properly collected selected & stored as per the standards prescribed. Packing - cartons containing 210 eggs / cartons Price - Prevailing in the market Eggs of uniform colour, shape and size Clean shelled eggs High fertility Free of Salmonella organisms Experimentally proved for its quality

2. Commercial Broiler Chicks: Good quality chicks parent stock, free of diseases of vertical nature and professionally managed under ambient temperature. Good disease resistance. Acclimatized to any adverse climatic condition. Attains the desired body weight faster. Consumes less feed and gives more weight. Yields good dressing percentage. Less percentage of mortality. Packing cartons containing 51 chicks/cartons Price -Prevailing in the market.

3. Table Eggs (White & Brown): Good quality, clean shelled eggs, Hygienically packed and stored Properly graded for its size and shape, Paking cartons containing 210 eggs / carton Price - Prevailing in the market.

4. Poultry Manure: Digested faecal wastes of poultry, Contains more than 50% organic substances hygienically packed sealed, Available in convenient packs, Packing as per specifications, Price- Prevailing in the market

5. Dressed: Full chicken or parts depending on requirements.

6. Quails / Ducks: Products as per requirements

7. Turkey /Quails: Products as per specification, packing as per the buyer specification or at international standards, Price - as prevailing in the market

Address:

Kerala State Poultry Development Corporation LTD.

Pettah (PO), Trivandrum

Farm: Kudappanakunnu,

Trivandrum, Tele: 0471 2431568 / 2374636 .

Contact:

Managing Director Tele: 0471 2540916

Finance Manager Tele: 0471 2540347.

Senior Manager (Technical) Tele: 0471 2431568

Hatchery Manager Tele: 0471 2431568

Marketing Department Tele; 0471 2540347

MPI - Meat products of India

Meat products of India limited, Koothattukulam was registered in 1973 under Indian Companies Act (1956) with the objective of establishing an export oriented buffalo meat processing project. The company took over the Bacon factory under the Animal Husbandry Department and started functioning in 1976. The company started its diversification in the field of beef apart from its original scheme of processing of pigs, poultry, goat, rabbit, quail etc. At present the Company is producing meat products derived from pork, cattle, buffaloes, poultry, rabbit, quail etc. Recently, the Company has developed a pet food, Meat Ind's Dog Chow. The company is processing only less than 1% of meat consumed in the State.

Activities

- Production of meat and meat products (240 MT per year). The Company is now commissioning]

- Production and supply of feed to poultry and pig farms of AH Dept.
- Training to students in food processing and farm management
- Production of pet foods
- Maintaining piggery, poultry and rabbitry at the campus
- Production of feather meal, bone meal, meat cum bone meal, lard, tallow
- Distribution of pig lings and rabbits to farmers under buy back scheme.

Area-wise Offices

(a) Registered Office- cum- factory : Edayar P.O., Koothattukulam - 686 662 Ernakulam Dist., Kerala Phone : 0485 - 252365 Fax : 0485 - 252695

(b) Liaison office/Depot : M.P.I's. Depot. Opp. Forest Office, Vazhuthacaud, Thiruvananthapuram Phone - 0471-327507

Projects : (a) Meat Processing (b) Feed Milling (c) Livestock Farming (d) Dry Rendering.

VETERINARY COLLEGE

Faculty of Veterinary & Animal Sciences

- College of Veterinary & Animal Sciences, Mannuthy, Thrissur.
- College of Veterinary & Animal Sciences, Pookod, Wynad. •
College of Dairy Science & Technology, Mannuthy, Thrissur

These institutions are working under Kerala Agricultural University. For more details – <http://www.kau.edu/>

Dairy Development DEPARTMENT:

The Dairy Development Department is undertaking programmes aimed at increasing milk production and consumption. The thrust areas of functioning of this department are Fodder Development, Dairy Extension and promotion of rural milk marketing.

Rural Dairy Extension and Advisory Service:

Dairy Extension activities are mainly carried out by the Dairy Farm Instructors of the Department. Group discussions, classes and indigenous milk products manufacture demonstrations are held to benefit dairy farmers and rural consumers. Assistance is given for setting up model cattle sheds and dairy farm units. Cattle shows at Block and District level are organized to provide motivation for the farmers. The mobile quality control units functioning in eight districts of the State render help to dairy co-operatives to formulate quality pricing schemes to benefit farmers and also to ensure quality milk to rural consumers.

Dairy Training Centre:

There are four dairy training centres functioning under this department located at Thiruvananthapuram, Kottayam, Palakkad and Kozhikkod. Dairy farmers from different places are brought under one roof and imparted scientific knowledge in cattle management, manufacture of milk products, co-operation etc. The dairy training centre also imparts training to beneficiaries of SCP / TSP programme of the department. Housewives and unemployed women are trained in the manufacture of indigenous milk products. The employees and members of dairy co-operatives are imparted training in various aspects of dairy co-operative management. Special thrust on fodder cultivation is given in the training programmes for farmers and co-operative personnel.

Fodder Resource Development Programme:

The Department provides inputs for cultivation of fodder in the State. Seasonal fodder crops are given priority in the programmes. Farmers are provided assistance for taking up non-conventional feeding practices like enriched straw etc. The fodder programmes are being carried out involving Grama Panchayats and Dairy Co-operatives.

Modernization of Dairy Co-operatives:

There are 2553 dairy co-operatives functioning in the State. The Department extends assistance to sustain and develop these primary organizations.

The Dairy Co-operatives are assisted to

- Purchase modern milk testing equipments, milk cans, chemicals for testing and sanitation
- Set up cattle feed mixing units, building for milk collection cum office room
- Purchase furniture
- Provide working capital
- Provide managerial grant for Secretaries.

Indigenous Milk Products Manufacturing Units:

The Department is extending assistance for setting up of units to manufacture and market indigenous milk products. This programme besides providing gainful employment opportunity to rural women, will help in promoting milk consumption. A district level milk consumption promotion co-operative society has been registered in all districts for effective marketing of products and co-ordinating the working of the indigenous milk product units

Kerala feeds Ltd

Kerala Feeds Limited was commissioned a feed mill aimed at improving the lives of small farmers, developing the countryside and helping to combat the growing depopulation. As a consequence of this, Kerala Feeds Ltd., a Kerala Government Company, was set up in 1995, incorporated under the Companies Act. The cattle feed plant with 500 TPD capacity was commissioned in late 1998 and commercial production started in January 1999, with one shift only. The second and third shift operations were commenced in June 1999 and July 2000 respectively. The unit is located in Kallettumkara Village in Mukundapuram Taluk

of Thrissur District beside the Palghat - Ernakulam Railway line and about 7 km from Chalakudy and 9 km from Irinjalakuda. The plant is situated in 27 acres of land and has sufficient scope for further expansion. The Company is headed by Chairmanship of the Secretary to Government (Animal Husbandry & Dairy Development), Government of Kerala. Some of the machineries installed in this plant are imported and these machines have helped the company to produce quality pellets and capture the market, which was hitherto in the hands of the private sector companies. Kerala Feeds has been instrumental in not only increasing the quality of the feed available in the market but also has been able to stall the spiraling tendency of the feed prices. The raw material is checked for its quality, stored in the godown, filled into the bins, drawn in fixed proportions, ground to fine particular size, mixed homogeneity, cooked for better digestibility and pelletised keeping the need of the cattle in mind.

For more details – <http://www.keralafeeds.com/>