Animal husbandry and Dairy sector in Kerala—Strengths

- The sector contributes to 3.05% of State’s Gross State Value Added (GSVA), which constitutes 29.18% share of Agriculture GSVA (Economic Review 2016)

- A paradigm shift from livelihood support to Commercial ventures since the last decade.

- A robust domestic market for animal products already in place.

- Well organized cooperative network for milk marketing

- Veterinary institutions manned by a qualified Veterinarian in all panchayaths.
Sector - constraints

- Declining trend in cattle population
- Land holding of farmers are limited
- Shortage of fodder and pasture land
- Growing demand supply gap in milk, meat and egg
- High cost and inadequacy of feed and fodder.
- Dairying is a labour intensive activity-shortage of labour.
- Issues in waste management.
- Licencing formalities at LSGIs
Present Institutional Status - Veterinary Service

- District Veterinary Centres - 14
- Veterinary Polyclinics - 50
- Veterinary Hospitals - 214

- Veterinary Dispensaries - 885
- Regional A.I Centre - 38
- Mobile Veterinary Hospitals - 8

- Mobile Farm Aid Units - 7
- Motor Boat Veterinary Hospital - 1
- ICDP Sub Centres - 1359

Total no of institutions – 2576
FARMS

- Livestock farm-5
  - Trivandrum-3, Kollam-1, Kasargode-1
- Goat farm-3
  - Trivandrum-1, Palakkad-1, Kannur-1
- Turkey farm-1 at Kureepuzha in Kollam
- Duck farm-1 at Niranam in Pathanamthitta
- Pig farm-1+ 5 pig breeding units
  - Kappad in Kottayam
- Poultry farm-9
  - Trivandrum, Kottayam, Alappuzha, Idukki, Ernakulam, Palakkad, Malappuram,
  - Kozhikode, Kannur
Other major institutions

- IAH & VB, Palode, Thiruvananthapuram
- State Institute for Animal Diseases, Palode, Thiruvananthapuram
- State Laboratory for Livestock, Marine & Agri Products, Maradu, Ernakulam
- Avian Disease Diagnostic Lab, Thiruvalla
- Livestock Management Training Centres
- Multispeciality Veterinary Hospital, Trivandrum
Veterinary Service
Major Achievements of the Sector

Veterinary Services and Animal Health

- Established at least **one veterinary institution per panchayat**
- Now **Veterinary institutions in all panchayats of Kerala**
- Modern diagnostic equipments at District Veterinary Centres
- Ultra sound scanners, Video endoscopy, Autoanalyzers, X-ray
Veterinary Services and Animal Health

Ambulatory Veterinary service attached to District Veterinary Centres
A mobile tele-veterinary unit with advanced diagnostic facilities such as portable ultrasound scanner, x-ray, surgical facilities etc has been established and working successfully. The vehicle has telemedicine facility also.

An animal lifting device for treating downer cows has been designed in collaboration with CDAC (Centre for Development of Advanced Computing), a GOI institute. This device is also attached with the tele-veterinary unit.

This mobile tele-veterinary unit gives service at the farmers door step.
Good laboratory network headed by NABL accredited State laboratory

- Microbiology lab
- Specimen museum
- Toxicology lab
Rabies diagnosis

FAT
NABL accredited SLMAP

- **State laboratory for livestock, marine and agri products** modernized and functional at Maradu, Kochi.
- The lab assesses the quality of meat, agri and marine products for export.
- We are planning to provide facilities for testing antibiotic residues and pesticide residues in animal products.
Emergency night veterinary service

- Envisaged for delivering emergency Veterinary Service during night hours at farmers doorstep.

- Presently available in 105 blocks out of 152 blocks in Kerala.

- Service provided from evening 6 pm to next day morning 6 am through veterinarians engaged on contract basis.
Scientific rearing of calves

- Scientific Calf rearing Programmes to realise the full production potential.

- Scientific rearing includes:
  - Calf hood vaccination
  - Periodic deworming
  - Regular health monitoring-random verification monthly and mandatory every 3 months
  - Vitamin mineral supplementation
  - Gynaecological management-early puberty, infertility management and early calving
  - Monthly concentrate feed supply @ subsidised rate
  - Insurance coverage
Female calves born in the state enrolled under calf rearing programmes.

With this programme we can replace 20% of the total breedable stock every year thereby ensuring stable population of milch animals in the state.
Comprehensive insurance coverage

- A comprehensive insurance package named “Gosamrudhi” is being implemented throughout the State.
- This is being done through online portal-integrated with AHD and United India Insurance Company.
- This aided in transparency and in turn led to reduced premium rate of 2.8% with 50% state subsidy. (ie. Owner has to pay only 1.4% premium only).
- Policies are generated online.
GIS based disease mapping

- A GIS based disease mapping portal has been designed and made functional which is integrated with online Farmer registration portal of the department.

- Data is captured using an android mobile App named “Bhumika”.
Bhoomika-app
Bhoomika app helped to identify the actual owners of cattle found dead or alive during the devastating floods that occurred during August 2018.
Innovative Models-Green Milk

- Fresh milk from Jersey Farm Extension unit Chettachal is being marketed as Green Milk, in association with the District Panchayath-Thiruvananthapuram.
- This is an innovative model through which fresh milk reach the consumers directly.
THANK YOU