



KERALA LIVESTOCK DEVELOPMENT BOARD

TRAINING BROCHURE

2025-26

Training Centres

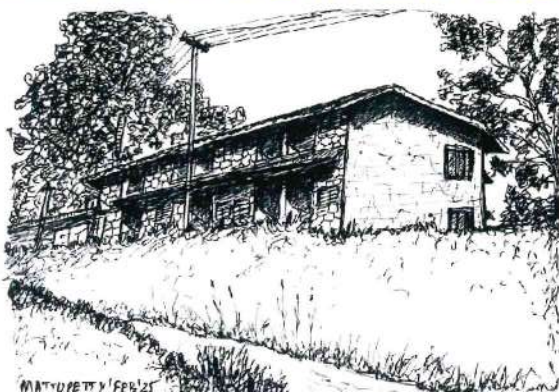
MATTUPETTY

DHONI

KULATHUPUZZHA

KOOTHATTUKULAM

KOLAHALAMEDU



Short Term Training Courses on Livestock & Fodder Production Sciences

KLD BOARD TRAINING CENTRES CONTACT DETAILS

MATTUPATTY

Manager (Trg)

KLD Board Ltd.

Mattupatty-685 616

Munnar, Kerala, India

Mob: +91 944 600 4283

e-mail: kldbtcmtpty@gmail.com

DHONI

Co-ordinator

KLD Board Ltd.

Dhoni-678 009

Palakkad, Kerala, India

Mob: +91 944 600 4285

e-mail: kldbseed@gmail.com

KULATHUPUZZHA

Deputy General Manager (AH)

KLD Board Ltd.

Kollam

Kerala, India

Mob: +91 944 600 4282

e-mail: kldboardkulathupuzha@gmail.com

KOLAHALAMEDU

Manager (AH)

KLD Board Ltd.

Livestock Farm, Peerumedu

Idukki, Kerala, India

Mob: +91 944 600 4308

e-mail: kldbklmdu@gmail.com

KOOTHATTUKULAM

Deputy Manager (AH)

Pig Breeding Centre

KLD Board Ltd., MPI, Joint Venture Project,
MPI Campus, Edayar P.O, Koothattukulam-686 662

Mob: +91 944 600 4280

e-mail: pbcjvedayar@gmail.com



2025-2026 TRAINING COURSES AT A GLANCE

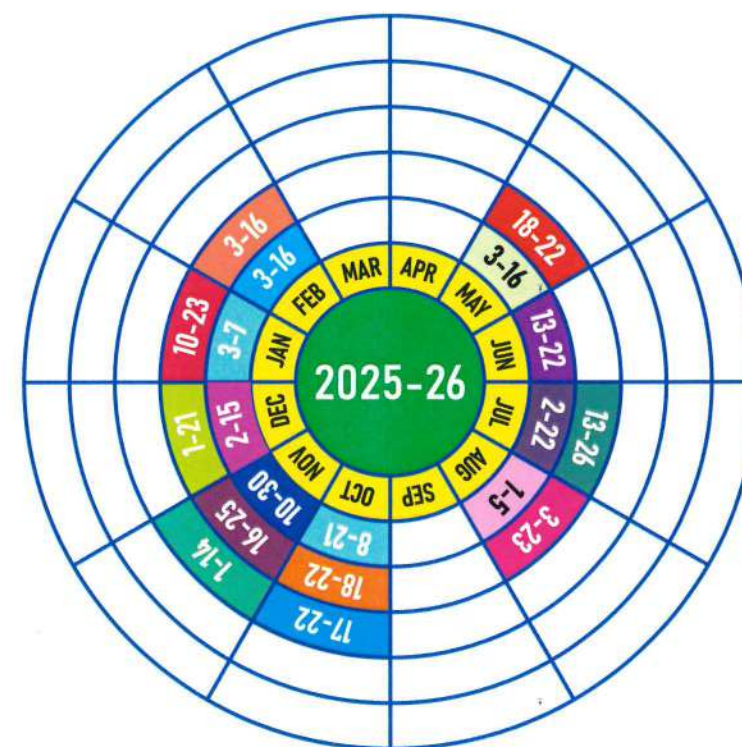
Sl. No.	Name of the Course	Duration (Days)	Participants/ Batch	Tuition Fee (₹) per person (excluding 18% GST)	Venue**
1.	Modern Trends in the cryopreservation of bovine semen	14	10	46,000	Mty.
2.	Frozen semen production & it's handling for optimum fertility	10	10	36,000	Mty.
3.	Bull Breeding Soundness Evaluation	6	10	30,000	Mty./Dni.
4.	Field performance recording and sire evaluation under tropical condition	14	15	43,000	Mty./Kpz.
5.	Fertility problems in female bovines	14	10	43,000	Mty.
6.	Tropical pasture seed production & Quality Control	21	10	39,000	Dni.
7.	Fodder Production and its utilization	21	15	39,000	Dni.
8.	Basic Course in Artificial Insemination	90 (30+60)	15	38,000	Mty./Dni./Kpz./Kmd.
9.	Field Embryo Transfer Programme	21	4	1,35,000	Mty.
10.	Refresher course in AI with Frozen Semen	6	15	24,000	Mty./Dni./Kmd./Kpz.
11.	Management of Large scale AI operations	14	12	41,000	Mty.
12.	Management of breeding operations in pigs	14	5	39,000	Ktkm.
13.	Dairy entrepreneurship	5	10	26,000	Mty.
14.	Goat management and AI in Goats	5	10	26,000	Mty./Dni.

Sl. No.	Name of the Course	Duration (Days)	Participants/ Batch	Tuition Fee (₹) per person (excluding 18% GST)	Venue**
15.	Minimum standard protocol for Frozen semen Production	14	12	56,000	Mty./Dni.
16.	Quality control aspects of Frozen semen Production	10	4	56,000	Mty./Dni.
17.	Advanced Techniques in Cattle Production	6	15	26,000	Mty.
18.	Dairying and Clean Milk Production	5	15	10,000	Dni.
19.	Artificial Insemination in Goats	2	15	9,000	Dni.
20.	Hands on Training on Ovum Pickup and In vitro Fertilization Technology	14	4	1,00,000	Mty.
21.	Internship Programme-Hands on Training on Molecular Biology Techniques I	15	1	15,000	CALG
22.	Internship Programme-Hands on Training on Molecular Biology Techniques II	30	1	25,000	CALG
23.	Internship Programme-Hands on Training on Molecular Biology Techniques III	90	1	50,000	CALG
24.	Internship Programme/ Project work/ Case study I	15	1	7,000	Mty./Dni./Kmd. Kpz./CLAG
25.	Internship Programme/ Project work/ Case study II	30	1	10,000	Mty./Dni./Kmd. Kpz./CLAG
26.	Farm practice / project work (for international students) I	15	1	40,000	Mty./Dni./Kmd. Kpz./CLAG
27.	Farm practice / project work (for international students) II	30	1	60,000	Mty./Dni./Kmd. Kpz./CLAG

**Mty - Mattupatty, Dni - Dhoni, Kpz - Kulathupuzha, Mpz - Muvattupuzha, Ktkm - Koothattukulam, Kmd - Kolahalamedu, CALG - Centre for Applied Livestock Genomics

- Advance booking is necessary to ensure seats. See course calendar annexed.
- Last date of receipt of application is fixed as 30 days prior to commencement date of the course
- Guidance to reach the venue may be seen in page 12
- Course will be cancelled incase more than 50% of the stipulated candidates fail to report.

TRAINING SCHEDULE FOR 2025-2026



Modern trends in Cryopreservation of semen

Feb 3-16

Frozen semen production & its handling for optimum fertility

Jun 13-22

Field performance recording and sire evaluation under tropical condition

Nov 1-14

Fertility problems in female bovines

MAY 3-16 OCT 8-21

Field E.T. Programme

AUG 3-23

Management of large scale AI Operations

DEC 2-15

Tropical Pasture seed production

DEC 1-21

Fodder production and its utilization

JUL 2-22 NOV 10-30

Management of Breeding operations in pigs

JUL 13-26 FEB 3-16

Dairy Entrepreneurship

OCT 18-22

Goat Management & AI

JAN 3-7 MAY 18-22 AUG 1-5

Minimum standard protocol of FS production

JAN 10-23

Quality Control aspects of FS production

NOV 16-25

Advanced Techniques in Cattle production

OCT 17-22

Timely access to new scientific information and innovations is important for the professionals and field technicians to prove their skill. There are various media available to pass on such informations to field technicians. Training is one among them. Training programmes offer not only an opportunity to pass on such new information, but also help in refreshing the knowledge of the participants. Further, several creative observations and experiences gained by field technicians can be discussed and shared for mutual benefit. With these objectives in mind, then Indo-Swiss Project (now the Kerala Livestock Development Board). started offering practical training courses to professionals and technicians in the area of animal production sciences.

COURSES

The Training Centres under the Kerala Livestock Development Board (KLDB) at present offer various short term training courses. All these courses are designed for field workers who require specialization in their respective fields. The courses include a combination of theory, practicals, group discussions, seminars and field visits. Apart from the courses announced through this brochure the Training Centre is also taking up programmes as required by the Sponsor on mutual agreement of the syllabus and duration, provided the concerned Sponsor is willing to depute the full complement of trainees to justify conduct of such course.

FACILITIES

All the necessary requirements for the successful conduct of the Courses are available at the Training Centres. Boarding and lodging facilities wherever available, are given in the premises itself. Well established technical library, reading hall, classrooms with modern facilities like interactive Board and practical halls facilitate proper training. A separate laboratory with all necessary equipment and instruments has been established for the trainees on "Frozen Semen Technology". A well established Embryo Transfer laboratory and In Vitro Fertilization Centre With all facilities are available for offering training courses on "Ovum Pick UP (OPU) and In Vitro Fertilization technique (IVF)" and Field Embryo Transfer Programme". Enough culled female animals are kept in the units for handling by the trainees attending courses on "Fertility problems in female bovines" and Artificial insemination etc. High tech Bull mother farm with milking parlor is available at Mattupatty, Kolahalamedu, Kulathupuzha.

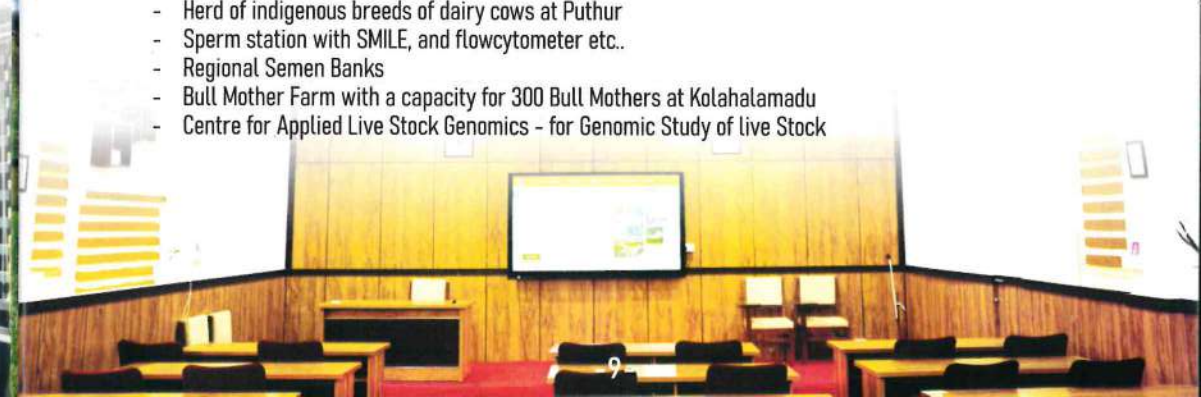
A seed testing Laboratory is available at Dhoni. A Fodder Seed Store with a capacity of storing up to 50 MT of fodder seeds is also available at Dhoni. These facilities are made available to the trainees attending courses on "Tropical pasture seed Production" and "Fodder production and its utilization". Modern teaching aids and demonstration units are amply used in order to improve the quality of training.

In addition to the above The Mattupatty and Dhoni stations of KLDB have the following facilities

	Mty	Dni
Bull Mother Farm (Approx no. of animals)	100	-
Bull Station with Semen Processing (Approx no. of animals)	100	100
Regional Semen Banks	-	1
ET-Lab (Mattupatty)	1	-
Calf Rearing Station	1	1
Slaughter House	1	1
Grassland (Ha)	160	55
Leys (Ha)	30	50
Basic Fodder seed farm (Dhoni)	-	10
Quality Control Division	1	1

Other facilities available in the KLDB

- Bull station with similar facilities as that of Mattupatti and Dhoni at Kulathupuzha.
- Bull Mother Farm with a capacity for 200 Bull mothers at Kulathupuzha
- Field Progeny Testing Scheme
- Large scale frozen semen distribution system
- Fodder Promotion Activities.
- Fodder seed Production programme
- Fodder Seed Testing and Quality Control Station
- Central Seed Store
- Data Processing Station
- Quality Control Unit
- Goat Breeding centre at Dhoni farm
- Pig Breeding Centre at Koothattukulam
- Herd of indigenous breeds of dairy cows at Puthur
- Sperm station with SMILE, and flowcytometer etc..
- Regional Semen Banks
- Bull Mother Farm with a capacity for 300 Bull Mothers at Kolahalamedu
- Centre for Applied Live Stock Genomics - for Genomic Study of live Stock



GENERAL INFORMATION

Hostel/ accommodation facilities are available for trainees at Mattupatty, Dhoni and Kulathupuzha. Candidates have to pay Rs. 125/- per day as lodging charges. In the case of scheduled courses, food expenses will also have to be met by the trainees.

There is no provision for family accommodation for trainees

At Muvattupuzha and Koothattukulam, the trainees are expected to stay outside the premises. Enough hotels are available at these places on reasonable rent.

VISA

Participants from outside the country require a visa for their stay in India. The participants have to themselves obtain the required visas. If required, KLD Board will give a letter of recommendation on request.

COURSE FEE

The tuition fee for the courses, other than the ones mentioned and conducted on special request would be decided by the Managing Director, K.L.D. Board, Thiruvananthapuram

THE APPLICANT/SPONSOR ON CONFIRMATION OF SEAT HAS TO REMIT THE COURSE FEE IN ADVANCE OR AT THE TIME OF JOINING FOR THE TRAINING AT THE VENUE SPECIFIED

MODE OF PAYMENT | For Courses at Mattupatty

The registration fee/ tuition fee shall be remitted by demand draft drawn in favour of the Manager (AH) KLD Board Ltd., Mattupatty, payable at Munnar or through NEFT/RTGS.

Bank details for account transfer are as follows.

Account Holder Name : Manager (AH)
Account Number : 57064109127
Name of the Bank : State Bank Of India
Name of the Branch : Munnar
IFSC Code : SBIN0070135

FOR COURSES AT DHONI

The registration fee for the tuition fee shall be remitted by demand draft drawn in favour of the Manager (AH) KLD Board Ltd., Dhoni payable at Palakkad or through NEFT/RTGS. Bank details for account transfer are as follows

Account Holder Name : Manager (AH)
Account Number : 57028693728
Name of the Bank : State Bank Of India
Name of the Branch : Olavakotte
IFSC Code : SBIN00002245

FOR COURSES AT KOOHATTUKULAM

The registration fee, tuition fee shall be remitted by demand draft drawn in favour of the Dy.General Manager (BT) KLD Board Ltd. Koothattukulam payable at Muvattupuzha or through NEFT/RTGS. Bank details for account transfer are as follows.

Account Holder Name : Dy. General Manager (AH)
Account Number : 57021212613
Name of the Bank : State Bank Of India
Name of the Branch : Muvattupuzha
IFSC Code : SBIN0070151

FOR COURSES AT KOLAHALAMEDU

The registration fee, tuition fee shall be remitted by demand draft drawn in favour of the Special officer payable at Vagamon or through NEFT/RTGS. Bank details for account transfer are as follows.

Account Holder Name : Special Officer
Account Number : 67270325681
Name of the Bank : State Bank Of India
Name of the Branch : Vagamon
IFSC Code : SBIN0070315

ROUTE MAPS

The route maps for reaching the training centers may be seen in the last page. The various places at which the courses are conducted are marked.

TRAVEL PLAN

- MATTUPATTY** : Those traveling by train may get down at Aluva railway station. From Aluva, a number of private buses and government buses are plying to munnar which is 13 kms away from Mattupatty.
- DHONI** : Those traveling by train may get down at Palakkad junction (Olavakkode) railway station. Dhoni is 5kms away from the railway station.
- KULATHUPUZZHA** : Those traveling by train may get down at Kollam railway station. Kulathupuzha is 65 kms away from the station.
- KOOTHATTUKULAM** : Those traveling by train may get down at Aluva railway station. Kuthattukulam (Edayar) is 60 kms away from the railway station. Nearest airport to Kuthattukulam is Kochi airport which is 39.7 kms away.
- KOLAHALAMEDU** : Those traveling by train may get down at Kottayam railway station. Kolahalamedu is 75 kms away from the station.

APPLICATION

The application form annexed. The completed application should reach the training center, at the address given below, at least 30 days prior to the commencement of the respective courses.

MANAGER (TRG)

Training centre, KLD board unit, Indo swiss project, Mattupatty, Munnar, Kerala-India-685 616
Telephone: 04865 242201, Mobile number: 9446004283 Email: kldbtcmtpy@gmail.com, indoswisskldb@gmail.com

BSNL cellular network is available at all the training centres. BSNL and JIO networks are available at Mattupatty.

Separate application is not required when candidates are sponsored by Govt. department/semi government organisations/Co-operative.

CURRICULA

1. MODERN TRENDS IN THE CRYOPRESERVATION OF BOVINE SEMEN

A course specially designed for those working in frozen semen laboratories and connected areas. The main emphasis of the course is on the advanced techniques in the deep freezing of bull and buffalo semen. Handling of frozen semen at the field levels is also dealt into in great detail.

- Duration : 2 Weeks
- Eligibility : Graduation in Veterinary Science or it's equivalent.
- Venue : Training Centre, Mattupatty

Syllabus

Management of breeding bull-Methods to maximise semen production
Clinical examination of bulls and laboratory examination of semen for reproductive disorders
Selection of bulls for seminal characteristics and sexual behaviour
Cryobiological aspects of sperm preservation (French system)
MIS for sperm production stations
Minimum standards for semen production, field handling of frozen semen and Cold chain management
Library, Discussion/Seminar
Study Tour



2. FROZEN SEMEN PRODUCTION & IT'S HANDLING FOR OPTIMUM FERTILITY

This is a condensed course on Frozen Semen technology targeted towards Veterinarians managing frozen semen production distribution and utilisation. The course covers the production, quality control (at different levels) distribution methods for a large scale AI programme and handling techniques of frozen semen, in detail

Duration : 10 Days

Eligibility : Graduation in Veterinary Science or it's equivalent.

Venue : Training Centre, Mattupatty

Syllabus

Management of breeding bulls

Semen collection, ultra low temperature processing of semen, its storage and despatch

Quality assessment of semen & fertility

Distribution systems of frozen semen

Field handling of frozen semen and cold chain management

Library, Discussion/Seminar *

Study Tour



3. BULL BREEDING SOUNDNESS EVALUATION

This is a course designed for Veterinarians working in semen stations and focuses mainly in the evaluation of bull with emphasis on practical training

Duration : 6 Days

Eligibility : Graduation in Veterinary Science or it's equivalent.

Venue : Training Centre, Mattupatty

Syllabus

General Orientation

Breeding Soundness Evaluation

Physical/structural/Andrological Examination of bulls and evaluation of semen quality

Monitoring Sexual Ethology & Harvesting Semen

Semen Cryopreservation

Quality tests for Semen

Maximization of sperm output from Breeding Bulls

Discussion/Seminar

Study Tour



4. FIELD PERFORMANCE RECORDING AND SIRE EVALUATION UNDER TROPICAL CONDITION

The course is meant for officers working in the area of bull selection for milk production, through progeny testing. The main emphasis is on testing of bulls under field conditions. Apart from animal breeding and biometrics in general, the practical application of progeny testing is covered in great detail. The facilities of field performance recording areas and the bureau of animal breeding are available for the trainees.

Duration	: 2 Weeks
Eligibility	: Graduation in Veterinary/ Animal Science or Post Graduation in Animal Breeding or its equivalent
Venue	: Training Centre, Mattupatty/ Muvattupuzha

Syllabus

Breeding policy formulations and reviews
Breeding scheme
Genetic selection methods
Breeding operations and Management of Information
Selection procedure for female stock
Bull selection system
Progeny testing programme
Production and rearing of bull calves
Evaluation of breeding operations
Case studies on breeding programme
Discussion/Seminar
Study Tour



5. FERTILITY PROBLEMS IN FEMALE BOVINES

A course concerning the fertility problems of female bovines meant for Veterinarians. It exposes the trainees to animals with varying physiological conditions and pathological problems. A lot of opportunities are provided to examine cows (with or without specific problems) brought to infertility camps specially organised by the Training Centre.

Duration	: 2 Weeks
Eligibility	: Graduation in Veterinary Science or its equivalent
Venue	: Training Centre, Mattupatty

Syllabus

Physiology of the female reproductive tract development and functions- cyclic changes
Artificial insemination-detection of heat handling of semen- AI using frozen semen
Sexual health control programmes Classification of fertility problems Morphological, Functional and Management problems with reference to actual situation in India
Role of nutrition on fertility
Infertility related to semen and its usage
Remedial measures to fertility problems
An introduction to embryo transfer techniques
Reproductive management, Infertility camps
Discussion/Seminar
Study Tour



6. TROPICAL PASTURE SEED PRODUCTION AND QUALITY CONTROL

A course with a strong practical base covering the techniques of tropical forage seed production and quality control. Special emphasis is given on seed testing with the aid of modern techniques in a well equipped laboratory.

Duration : 3 Weeks
 Eligibility : Graduation in Agricultural Science or its equivalent
 Venue : Training Centre, Dhoni

Syllabus

Introduction to fodder development and seed testing procedures
Study of commercial seed production, seed identification, selection and handling, marketing, harvesting, cleaning, grading, drying, testing transport and storage, pest control, seed multiplication
Field inspection of seed production areas
Economics of seed production
Discussion/Seminar
Study Tour



7. FODDER PRODUCTION AND IT'S UTILIZATION

The course is on the technical, economic and social components of forage production under tropical conditions involving lectures and practicals. The emphasis of the course is on the cultivation, management and conservation practices of fodder crops. 'Fodder under different agroclimatic conditions exposes trainees to various system of forage production.

Duration : 3 Weeks
 Eligibility : Graduation in Agricultural Science, Veterinary Science, Dairy Science or its equivalent or post graduation in forage production.
 Venue : Training Centre, Dhoni

Syllabus

Ecological classification of forage crops
Soil- Its importance in agriculture - role of fodder crops in enhancing soil fertility and status
Cultivation practices and utilisation of different fodder crop grown in tropical and sub-tropical agroclimatic condition
Operation of farm machinery - general principles
Pasture-its importance and classification of pasture-natural grass land and introduced pasture-management and utilization.
Ley-establishment and management
Fodder production-utilisation and preservation
Seed production in forage crops-seed testing, quality control and marketing
Relationship between cattle breeding and fodder promotion
Principles and economic feeding of different categories of livestock
Fodder extension programme-mixed cropping with fodder
Role of fodder crops in controlling soil erosion-agrostological measures of soil conservation strip cropping with grasses and legumes etc.
Discussion/Seminar
Study Tour



8. BASIC COURSE IN ARTIFICIAL INSEMINATION

A course designed to equip persons to do Artificial Insemination in cattle and buffaloes. The main emphasis of the course is on accurate detection of heat in cattle and buffaloes, handling of frozen semen, correct technique of Artificial Insemination using frozen semen and pregnancy diagnosis. The course is highly practical oriented.

Duration : 90 Days (30+60)

Eligibility : SSLC or its equivalent

Venue : Training Centre, Mattupatty/Dhoni/Kulathupuzha

Medium of Instruction : English

Syllabus

Functional anatomy of male and female reproductive organs

Physiology of male and female reproductive organs

Oestrus

Physiological changes in female reproductive organs during oestrus cycle

Systematic rectal examination

Collection, dilution and preservation of bull semen

Handling of frozen semen

AI Practice

Pregnancy diagnosis

Reproductive management and pathology of Female reproduction

Fertility measures-record keeping

Breed improvement and AI

Proper feeding for better fertility

Infertility conditions

AI and extension work

60 days Practical Session with AI service provider



9. FIELD EMBRYO TRANSFER PROGRAMME

This is a course designed for field professionals in order to equip them for the preparation of donors for super ovulation, Flushing and cryopreservation of embryos, recipient preparation and thawing and transfer of embryos.

Duration : 21 Days

Eligibility : (i) Graduation in Veterinary Science or its equivalent.

(ii) Minimum 3 years experience in Feld AI programme

Venue : Training Centre, Mattupatty

Syllabus

Physiology of female reproduction and Principles of oestrous synchronisation

Selection of donors and recipient

Preparation of donors and recipient

Various media and their preparation

The principles and practice of embryo flushing methods

Embryo searching and handling

Embryo classification

Freezing and thawing of embryos

Transfer technique

Discussion/Seminar

Study Tour



10. REFRESHER COURSE IN ARTIFICIAL INSEMINATION WITH FROZEN SEMEN

A course designed for Para Veterinarians and AI Technicians exposing them to the latest techniques in AI handling of frozen semen, physiology of female reproduction, reproductive management etc.

Duration : 6 Days

Eligibility : Para Veterinarians/ AI Technicians

Venue : Mattupatty/Dhoni/Kulathupuzha

Syllabus
Reproductive management of breedable female stock
Field handling of frozen semen
Techniques of AI with frozen semen
Monitoring sexual functions of cattle
Records and record keeping

11. MANAGEMENT OF LARGE SCALE AI OPERATIONS

A course specially designed for those engaged in large scale AI operation activities. The main objective of the course is to support efforts of developmental agencies engaged in large scale AI operations by sharing the experience and expertise gained in Kerala over the past five decades. The course covers, the planning and execution of large scale AI network in detail.

Duration : 14 Days

Eligibility : Graduates in Veterinary/ Animal Production Sciences with at least 5 years experience in the Field. (Middle level executives)

Venue : Training Centre, Mattupatty

Syllabus

Breeding Policy/Breeding Programmes in general / KLDB programme & its suitability to other situation (Theory)

Three tier AI organisation-Bull Mother farm/ bull production/ storage/ dispatch/quality control of semen/reproductive management of male & female cattle/selection of bulls/semen production/cattle nutrition/fodder production and its importance in economic milk production

Organization of Regional Semen Banks & their functions/LN Management/ semen distribution/Bull Rotation Programme/Care and maintenance of LN containers/Quality Assurance of AI consumables data collection storage & monitoring of AI operations/Laison with Customers

Agencies involved/location of AI centres/ Networking of Centres/Training of AI technicians in AI handling AI equipments, handling of frozen semen, extension work etc./ farmers training

Evaluation of AI Programme/Database, storage processing and retrieval methods/Feedback of information to Production Stations and Sement Banks etc.

Cold Chain Management

Conditions favourable for AI/Socio-Economic conditions and benefits/Kerala Experience

Discussion/ Seminar

Study Tour

12. MANAGEMENT OF BREEDING OPERATIONS IN PIGS

This is a practical oriented programme meant for officers involved in managing Pig Breeding Farms/working in the areas of Pig breeding. The main areas of thrust in the programme are feeding, management and reproductive management of pigs (both male and female) semen collection and AI related operations, pregnancy diagnosis, activities related to farrowing, maintaining weaners and replacement stock, housing and waste management etc.



Duration : 14 Days
 Eligibility : Graduation in Veterinary Sciences or its equivalent
 Venue : Pig Breeding Centre, Koothattukulam

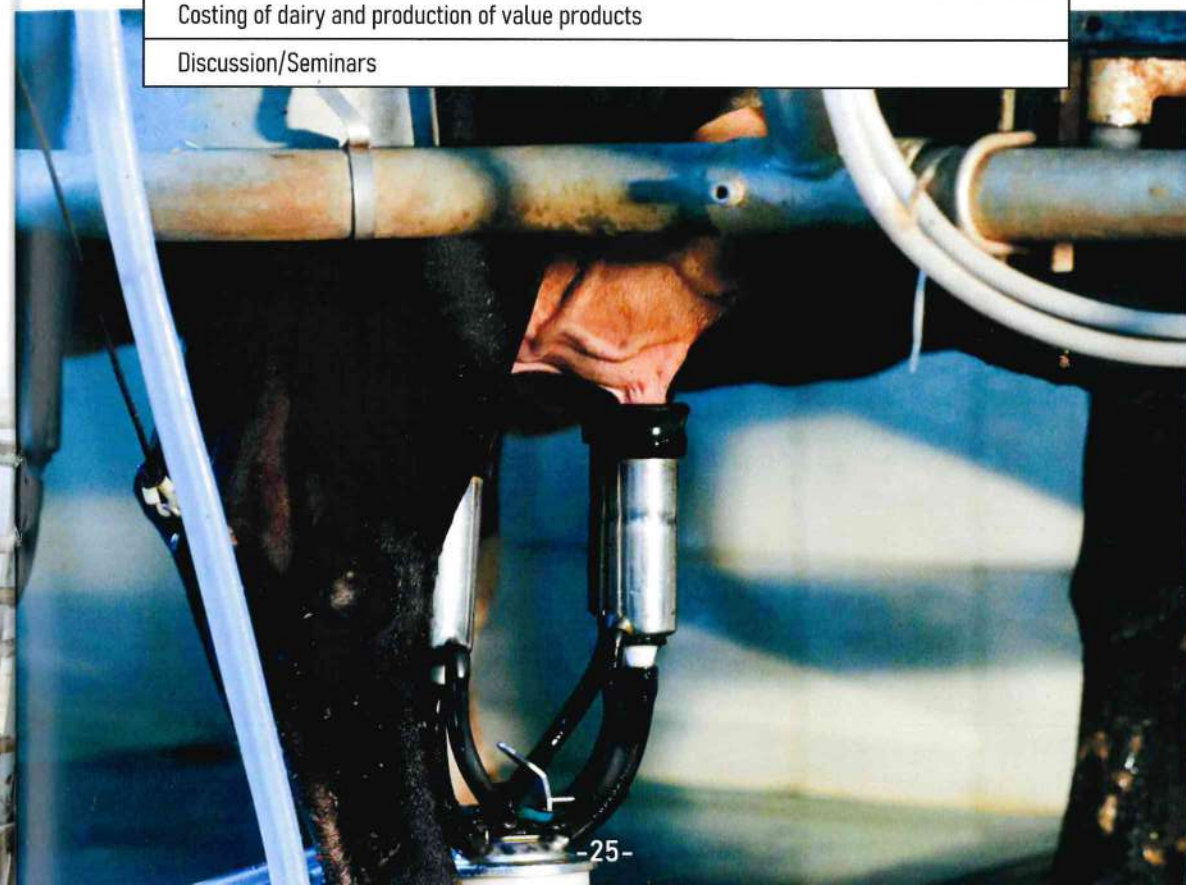
Syllabus
Genetics and Breeding in Pigs
Management Activities in Pig Husbandry
Male & Female Reproductive systems
Heat detection
Care & Management of Boars
Semen collection and Evaluation
Semen Lab, AI and related activities
Pregnancy Diagnosis
Farrowing and related activities
Housing and Nutrition of Boars
Effluent treatment
Introduction to Farms MIS
Discussion/Seminar



13. DAIRY ENTREPRENEURSHIP

Duration : 5 Days
 Eligibility : Graduation in Veterinary Sciences or its equivalent
 Venue : Training Centre, Mattupatty

Syllabus
Approach and vision to dairy industry Visit to organized dairy farms
Planning for sustainable dairy farming
Role of fodder cultivation in economic farming
Visit to successful private dairies
Record keeping and management information systems to be followed in dairy
General management practices of Dairy husbandry
Costing of dairy and production of value products
Discussion/Seminars



14. GOAT MANAGEMENT AND ARTIFICIAL INSEMINATION IN GOATS

Duration : 5 Days
 Eligibility : Graduation in Veterinary Sciences or its equivalent
 Venue : Training Centre, Mattupatty/Dhoni

Syllabus

Importance of Goat Husbandry in rural economy
Visit to organized goat farms
Breeds of goat and their utilization in different agro climatic conditions and purposes
Selection, management and housing of goats in general
Feed and Fodder Management for Goats
Fodder Cultivation, and grazing management
Reproduction in Goats
AI Practice
Common Diseases, treatments and vaccinations
Common ailments and their remedies
Discussion/Seminar

15. MINIMUM STANDARDS PROTOCOL FOR FROZEN SEMEN PRODUCTION

A course specially designed for Veterinary Officers working in frozen semen production stations. The main emphasis of the course is on the minimum standard protocols for frozen semen production, as approved by Government of India.

Duration : 14 Days
 Eligibility : Degree in Veterinary/ Animal Sciences
 Venue : Training Centre, Mattupatty

Syllabus

Broad outline of MSP
Bio security Measures in a breeding farms
Good Laboratory practices
Standard Operating Procedures (SOP) for Bull Management
Standard Operating Procedures (SOP) and precautions for hygienic semen collection
Standard Operating Procedures (SOP) for Semen processing, evaluation and freezing
Standard Operating Procedures (SOP) for frozen semen quality control measures
Library/Discussion/Seminar
Study Tour



16. QUALITY CONTROL ASPECTS OF FROZEN SEMEN PRODUCTION

A course specially designed for Quality Control Officers working in the frozen semen production stations. The main emphasis of the course is to provide hands-on training for frozen semen quality control measures.

Duration : 10 Days
Eligibility : Degree in Veterinary/ Animal Sciences
Venue : Training Centre, Mattupatty

Syllabus

Frozen semen quality control parameters
Motility Examinations
Assessment Sperm concentration in frozen semen
Percent Intact Acrosome
HOST
Sperm morphology
Study of Micro-organisms in frozen semen straw
Enumeration of living microorganisms in laboratory environment
Validation of Photometer
Andrological examination of bulls, optimum Management of bulls for clean semen production
Salient aspects of disease screening
Library/Discussion/Seminar
Study Tour



17. ADVANCED TECHNIQUES IN CATTLE PRODUCTION

A course specially designed for Veterinary Officers working in the field of cattle production, frozen semen production stations and embryo transfer centres. The main emphasis of the course is on acquainting them with the modern trends in cattle production.

Duration : 6 Days
Eligibility : Degree in Veterinary/ Animal Sciences
Venue : Training Centre, Mattupatty

Syllabus

Cattle production techniques in the era of globalization
Genetic selection and improvement of animals
Modern trends in nutrition for better economic production and reproduction
Controlled breeding for better production. Advances in reproductive management for better returns
Processing and deep freezing of bovine spermatozoa in an automated sperm station
Embryo transfer technology
Library/Discussion/Seminar



18. DAIRYING AND CLEAN MILK PRODUCTION

A course specially designed for Dairy farmers to improve their overall knowledge and skill in dairy cattle rearing and clean milk production.

Duration : 5 Days

Eligibility : Dairy Farmer

Venue : Training Centre, Mattupatty/Dhoni

Syllabus

Scope of dairy farming

Husbandry practices

Selection of animals

Clean milk production/Shed design

Fodder production

Milking & Milk quality

Library/Discussion/Seminar

19. ARTIFICIAL INSEMINATION IN GOATS

A course specially designed to equip field Veterinarians and AI Technicians to do artificial Insemination in goats. The main emphasis of the course is on accurate detection of heat in goats, handling of frozen semen and correct technique of artificial insemination using frozen semen.

Duration : 2 Days

Eligibility : Field Veterinarian / AI Technician

Venue : Training Centre, Mattupatty/Dhoni

Syllabus

Importance of goat husbandry in rural economy

Reproduction in goats

Heat detection in goats

AI practices

20. HANDS ON TRAINING ON OVUM PICK UP AND IN VITRO FERTILIZATION TECHNOLOGY

This specialized training on Ovum Pick-Up (OPU) and In Vitro Fertilization (IVF) in Bovines is designed for veterinarians, animal scientists, and breeding specialists looking to master advanced reproductive techniques.

During this training, participants will gain hands-on experience in follicular aspiration (OPU), oocyte handling, in vitro fertilization (IVF), and embryo culture. Emphasis will be placed on optimizing reproductive efficiency, improving success rates, and applying these technologies to breed superior cattle.

Duration : 14 Days

Eligibility : Graduation in Veterinary/Animal Sciences

Venue : Mattupatty



21. INTERNSHIP PROGRAMME - HANDS ON TRAINING ON MOLECULAR BIOLOGY TECHNIQUES-I

(Course I, II, III)

To provide an opportunity of gaining hands-on training on basic molecular biology techniques.

Duration : 15 Days, 30 Days, 90 Days

Eligibility : Bachelors/Masters in any branches of Life Sciences

Venue : CALG

Syllabus

Polymerase Chain Reaction (PCR)

Real -Time PCR

DNA Isolation from Bovine Semen & Blood (Manual & Auto)

Microarray

Restriction Digestion

Gel Documentation System

Cryo Preservation & Storage of DNA

Karyotyping - Bovine

BACKGROUND INFORMATION OF THE TRAINING CENTRES OF KLD BOARD

Indo - Swiss project, the fore-runner of "Kerala Livestock Development Board" under which the training centre is functioning, started in the year 1963 at Mattupatty as a joint venture by the Government of India and Swiss Confederation.

The basic objectives:-

To evolve a new breed of cattle suitable for Kerala conditions through scientific crossbreeding.

To promote fodder production under field conditions in support of economic production.

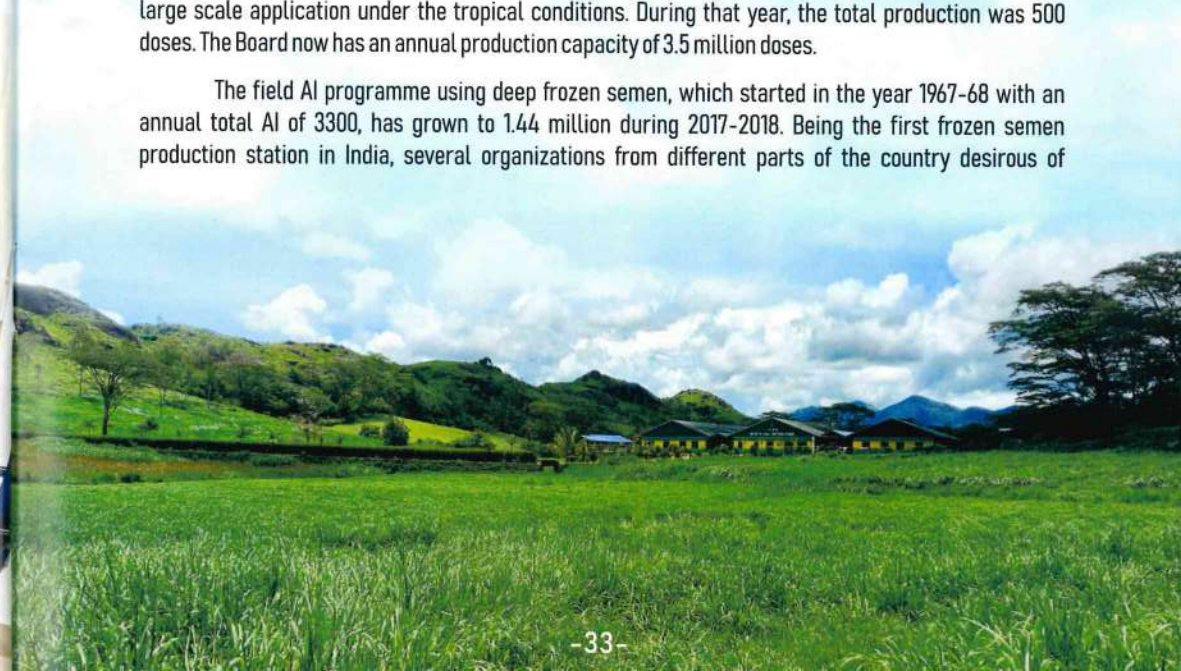
To organise technical training courses for the systematic development of manpower for animal husbandry and dairy development.

The Project has been fully integrated with the Kerala Livestock Development Board with effect from 01-05-1976

A new breed of cattle "Sunandini" had been evolved with a combination of indigenous cattle with exotic donor breeds like Jersey, Brown Swiss and Holstein Friesian, limiting the exotic inheritance to 50%. The programme was first launched in the cattle breeding research centre at Mattupatty and later extended throughout Kerala in a phased manner with a view to enhance milk production. The resultant picture is that Kerala is having the pride of place in cross breeding activities in India, with the unique distinction of providing AI facilities with frozen semen to the entire breedable population available in the state, together with the privileged position of developing the best suited forage crops and the best crossbred bulls.

Frozen semen technology was introduced by the Project in 1965, for the first time in India for large scale application under the tropical conditions. During that year, the total production was 500 doses. The Board now has an annual production capacity of 3.5 million doses.

The field AI programme using deep frozen semen, which started in the year 1967-68 with an annual total AI of 3300, has grown to 1.44 million during 2017-2018. Being the first frozen semen production station in India, several organizations from different parts of the country desirous of



introducing frozen semen technology sent their selected candidate to Mattupatty for informal training. This encouraged the project to start a full fledged training centre which could then handle various subjects related to cattle breeding. All the three sperm stations have both ISO 9001-2015 and HACCP certifications and are graded "A" by the CMU, G.O.I.

The KLD Board has screened, identified and multiplied improved species of both grasses and legumes for promoting fodder cultivation within the state and outside. The production and sale of perennial fodder seeds has grown from 800kg. in the year 1976-77 to about 68 metric tons in the year 2017-2018. The seed thus produced and supplied is subjected to strict quality control at our central seed testing laboratory situated at Dhoni.

The Board is now maintaining 5 breeding farms at Mattupatty, Kulathupuzha, Dhoni, Kolahalamedu and Puthur with a herd strength of more than 1200 heads of cattle. The Board has recently established high-tech dairy farms at Mattupetty, Kulathupuzha, Kolahalamedu. In order to provide an uninterrupted supply of frozen semen and liquid Nitrogen (LN) to all the AI centres functioning in the State, 7 Regional Semen Banks were established.

The Board started its embryo transfer work on experimental scale by 1990-91 at Mattupatty and now the technique is used for production of breeding bulls. A cattle breeding and progeny testing co-ordination centre was established at Muvattupuzha for monitoring the cattle breeding programmes of the State in collaboration with the sister establishments.



KLD BOARD INSTITUTIONS

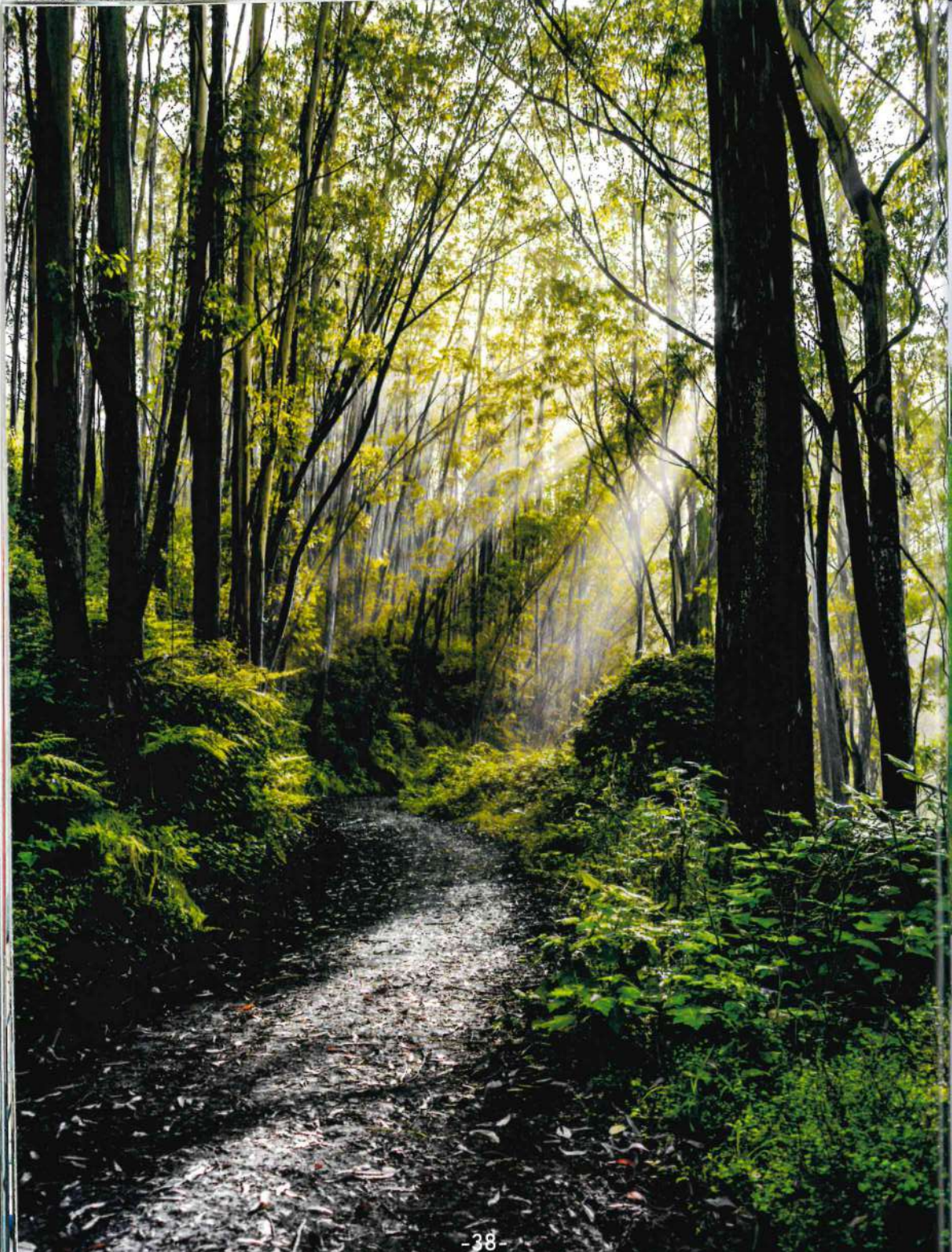
Head: Managing Director

Sl.	Address	Designation	Phone	E-mail
1.	KLD Board, H.O Gokulam, Pattom Thiruvananthapuram Pin-695 004	Managing Director	9446004275	kldboard8@gmail.com
2.	KLD Board, H.O Gokulam, Pattom Thiruvananthapuram Pin-695 004	General Manager	9446004276	kldboard8@gmail.com
3.	KLD Board Training Centre Mattupatty, Munnar, Kerala Pin-685 616	Manager (Trg)	9446004283	kldbtcmtpty@gmail.com
4.	KLD Board Mattupatty, Munnar Kerala, Pin-685 616	Manager (AH)	9446004281	indoswisskldb@gmail.com
5.	KLD Board, Seed Farm & Training Centre, Palakkad Pin-678 009	Co-ordinator	9446004285	kldbseed@gmail.com
6.	KLD Board, Bull Station Dhoni, Palakkad Pin-678 009	Manager (AH)	9446004295	kldbdbhoni@gmail.com
7.	KLD Board Kulathupuzha Farm Kollam Dist, Pin-678 009	Deputy General Manager (AH)	9446004282	kldbkpza@rediffmail.com
8.	Cattle Breeding Co-ordination Centre KLD Board, Mudavoor P.O Muvattupuzha- 686 669	Manager (LP)	9446004280	kldbmvpa@gmail.com
9.	KLD Board, Progeny Testing Scheme, Mudavoor Muvattupuzha, Pin-686 669	Manager (PT)	9446004368	kldbpt@gmail.com
10.	KLD Board Regional Semen Bank Muvattupuzha, Pin-686 669	Asst. Manager (AH)	9446004298	rsbmuvattupuzha@gmail.com

KLD BOARD INSTITUTIONS

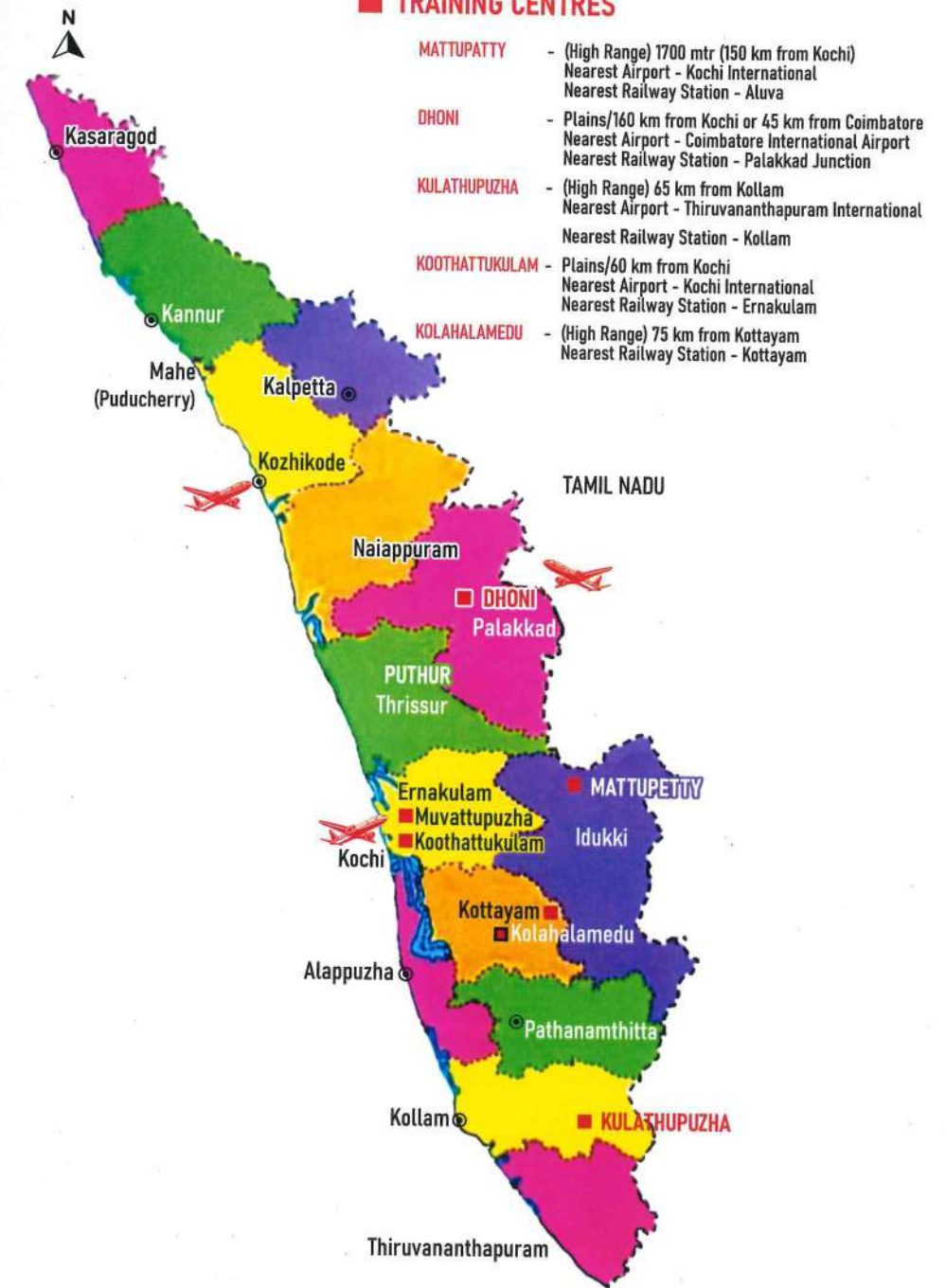
Head: Managing Director

Sl.	Address	Designation	Phone	E-mail
11.	KLD Board Regional Semen Bank Mavelikara, Pin-690 102	Asst. Manager (AH)	9446004300	rsbmavelikara@gmail.com
12.	KLD Board Regional Semen Bank Kannur, Pin-670 562	Asst. Manager (AH)	9446004303	rsbkannurkldb@gmail.com
13.	KLD Board Regional Semen Bank Puduppady, Pin-680 673	Asst. Manager (AH)	9446004304	rsbputhupady@gmail.com
14.	KLD Board Regional Semen Bank Chalakudy, Pin-680 307	Asst. Manager (AH)	9446004299	chalakudyrsb@gmail.com
15.	KLD Board Livestock Farm Puthur, Trichur	Manager (AH)	0484-2316467	managerahk@gmail.com
16.	KLD Board, Regional Semen Bank Dhoni, Palakkad, Pin: 678 009	Asst. Manager (AH)	9446004302	kldbdbhoni@gmail.com
17.	KLD Board, Regional Semen Bank Kulathupuzha, Pin: 678 009	Deputy Manager (AH)	9446004301	rsbkpza@gmail.com
18.	KLD Board, Centre for Applied Livestock Genomics Kudappanakkunnu, Trivandrum, Pin-695 043	Manager (Trg)	0471-2733545 9446441702	kldbcalg@gmail.com
19.	KLD Board, Livestock Farm Kolahalamedu, Peerumedu Idukki, Pin: 678 009	Manager (AH)	9446004284	kldbklamu@gmail.com



KLDB Training Centres - Location Map

■ TRAINING CENTRES





KLD BOARD
TRAINING CENTRE

KERALA LIVESTOCK DEVELOPMENT BOARD

RELENTLESS PURSUIT OF EXCELLENCE

Kerala Live Stock Development Board Ltd.,
TRAINEE'S HOSTEL
Office: Pattom - 695 004

KERALA LIVESTOCK
DEVELOPMENT BOARD LTD.
GOVERNMENT OF KERALA UNDERTAKING
GOVT. TRAINING CENTRE

KERALA LIVESTOCK DEVELOPMENT BOARD
(GOVERNMENT OF KERALA UNDERTAKING)

"GOKULAM" PATTOM-695 004 | 0471-2440920

Email: kldboard8@gmail.com | Web: www.livestock.kerala.gov.in

An ISO 9001 : 2015 Certified Company