

HI-TECH DAIRY FARM AT KULATHUPUZHA



This is the first hi-tech dairy farm in the south India and also the first hi-tech dairy farm in India under government sector. The total outlay of the project will be 5 crores. The project is financed by NPCBB of Government of India.

Objectives

To establish a model hi-tech bull mother dairy farm with all the latest technologies on feeding , milking, shed management and recording practices as a model in the state for production of bull calves for breeding programme and supply of high producing females calves to farmers and Government farms .

Researches

- Open nuclear breeding system will be established using embryo transfer technology for bull production.
- Progeny testing programme –Infarm progeny testing programme for pure bulls will be established with utmost accuracy for premium bull semen production required for commercial dairy farming.
- Halfsibling production using embryo transfer for intensifying progeny testing programme

Training

Training will be given to technicians, scientists, professional, farmers and entrepreneurs in hi-tech dairy farming, Embryo transfer, Progeny testing programmes etc...

Functioning

- The farm will house around 200 high producing dairy cattle.
- The animals will carry a transponder in the neck
- All the information regarding the animals will be stored in the micro chip in the radio active transponder.
- Feeding will be through programmable feeders.
- When the animal enters in the feeding parlour the radio signals from the transponder activates the feeding mechanism and the quantity of the feed recommended for the animal as per its age, growth, and milk production will be automatically delivered in the feeding parlor. It will be regularly monitored.
- Watering will be through automatic waterers
- There will be in house system for cooling the animals
- Automatic scrapers will be cleaning the shed regularly and ensured through water jet system.

Milking

Milking will be done in 12 animal automatic milking parlor and the milk collection from the every animal will be directly recorded in the computer. So that the milk production of animal will be specifically recorded for assessing the milk production ability of its parent bull in the progeny testing research programme.

Heat Detection

The animals will be checked with heat detectors and it will be timely inseminated and recorded and monitored using updated software called “software in animal management system”. The data on health care and reproductive performance will be regularly updated in the computer for better management system and to provide recommendation for the state for reducing the calving period.

Farmers Benefit

High producing female calves produced in the farm will be distributed to farmers at a reasonable price. The farmers and investors will be given training on hi-tech dairy practices.

Bull production

The best bull calves selected from the male calves born will be used for production of breeding bulls.

Heart valve production

The joint venture project with Sreechithra Institute of Medical Science and Technology will be integrated to the farm.



Milking Parlour

