

ANIMAL IDENTIFICATION SYSTEM



Ear Tags



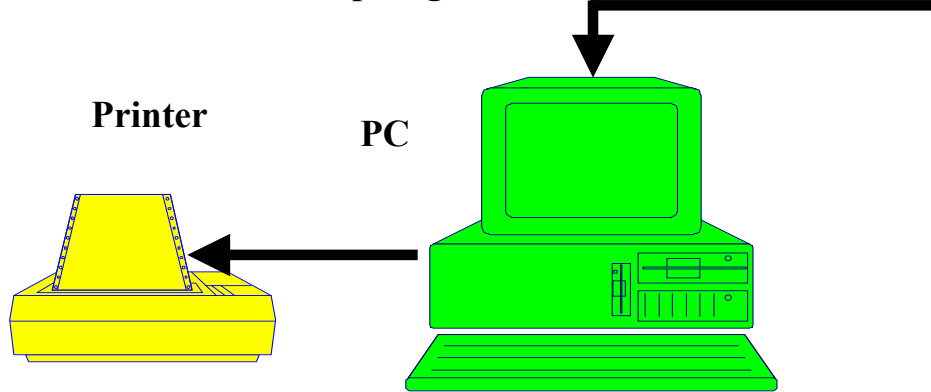
Bolus



Microchip Tags



Reader



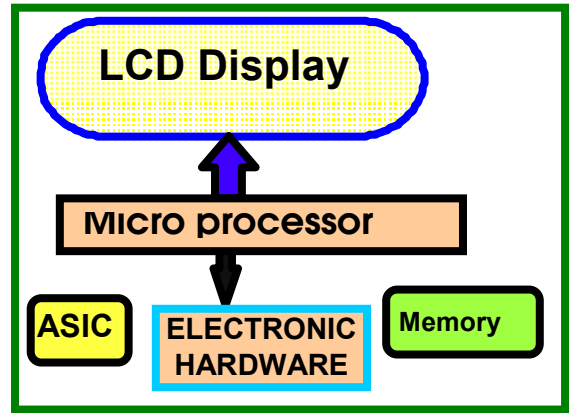
PRODUCT DESCRIPTION

Radio Frequency Identification System (RFID) consists of three major components i.e. **RF Reader, RFID Transponder (Tag) & Antenna System**. The Reader generates electromagnetic signals and transmitted through in built Antenna which interact with Transponder (Tag), if it lies in its proximity.

Tags are used depending upon the application and the range required. Tags are passive devices and get powered from electro-magnetic signal generated from RFID Reader

Application Program Interface (API) and customer specific application software is prepared for the **Animal Database Management**. The system provides instant information related to milk yield, health condition, feeding pattern, quantity of a particular animal or an animal farm.

BLOCK DIAGRAM



FEATURES

- ❖ State-of-the-art system used for identification of animal.
- ❖ Help preserving various breeds of animals.
- ❖ Reliable and tamper proof system for animal insurance sector.
- ❖ Online database relating to milk production, feed quantity, health condition etc. available for all animals.Helps in prevention and early detection of animal disease.
- ❖ Animal registration at site / veterinary health centre at village.
- ❖ RF Reader is capable to store the data for 500 animals at a time.
- ❖ Easily insertable Tags in the skin of animal.
- ❖ No side effect of the tags on the body of animal.
- ❖ Classification and data base preparation for different animals is possible.
- ❖ Instant animal counting & their genetic characteristic storage.

TECHNICAL SPECIFICATIONS

TRANSPONDER TAG) :

1. Compliance : ISO 11784 and ISO 11785
2. Frequency : 125 kHz
3. Range : Up to 30 cm.
4. Temperature : -25°C TO +50°C
5. Power : Passive Device

PORTABLE READER:

1. Frequency : 125 kHz
2. Display : 2 Lines by 16 character LCD
3. Battery : sealed Maintenance free battery, 6V,10H
4. RS232 Port : COM port for PC interface
5. Charging : From Mains /Solar Photovoltaic Modules
6. Temperature : -5°C TO +50°C

COMPUTER INSTALLATION REQUIREMENT :

1. Power Supply : AC 220-240 V
2. Current Rating: 5 Amp.
3. Printer : 80 Column Dot Matrix



RAJASTHAN ELECTRONICS & INSTRUMENTS LTD.

2, KANAKPURA INDUSTRIAL AREA, SIRSI ROAD JAIPUR-302012

TEL: 0141-2470062, 2470363

FAX: 0141-2470139, 2202701

E-MAIL: reilsp@sancharnet.in

www: reiljp.com