



# **USER MANUAL**

## **Livestock Traceability Database**

**([www.livestocktraceindia.com](http://www.livestocktraceindia.com))**

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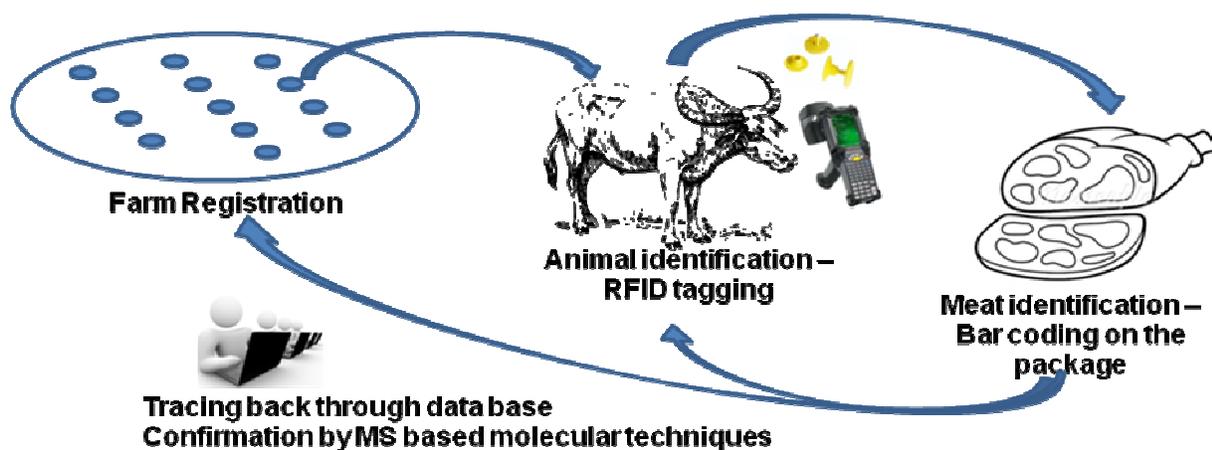
## 1.0 Introduction

Traceability is the ability to track or find out a product, batch and its history through the whole, or part, of a production chain from harvest through transport, storage, processing, sales and distributions. By implementing traceability based quality assurance system India can enhance market access for its meat. Traceability of livestock products is mandatory in European Union and many other developed countries. National Research Centre on Meat, Hyderabad a constituent of Indian Council has developed a meat traceability system under the Indian Council of Agricultural Research funded research project, 'Developing traceability model for buffalo meat industry for quality assurance and augmenting exports'. Centre can provide all the support required to farms and abattoirs in implementing the system.

Traceability will help farmers by providing opportunity to get animals identified, enable recording animal related information online, get regular updates on essential activities on the farm through SMS and in the long run get premium price for the animal when sold for meat purpose. Traceability enabled meat will have better acceptance among consumers. In the long run traceable meat can get premium price for the meat produced from traceable animals as the system followed is internationally accepted and will improve marketability of products in International market.

Centre has developed a livestock traceability database which enables storage of information of animal, farm and abattoir on web based database. Database provides provision for enrollment of animals, farms, abattoirs, veterinarians and meat processing plant. It enables real time updating and retrieval of information. Database provides provision for recording of performance of animals and different farm activities like insemination, pregnancy diagnosis (PD), calving, weight gain, milking, dry, vaccination, deworming, feeding, purchase, sales and medication. It provides provision for creation of farm activity reminder system which enable efficient management of the herd. In abattoir information regarding ante & post mortem inspection can be uploaded on database.

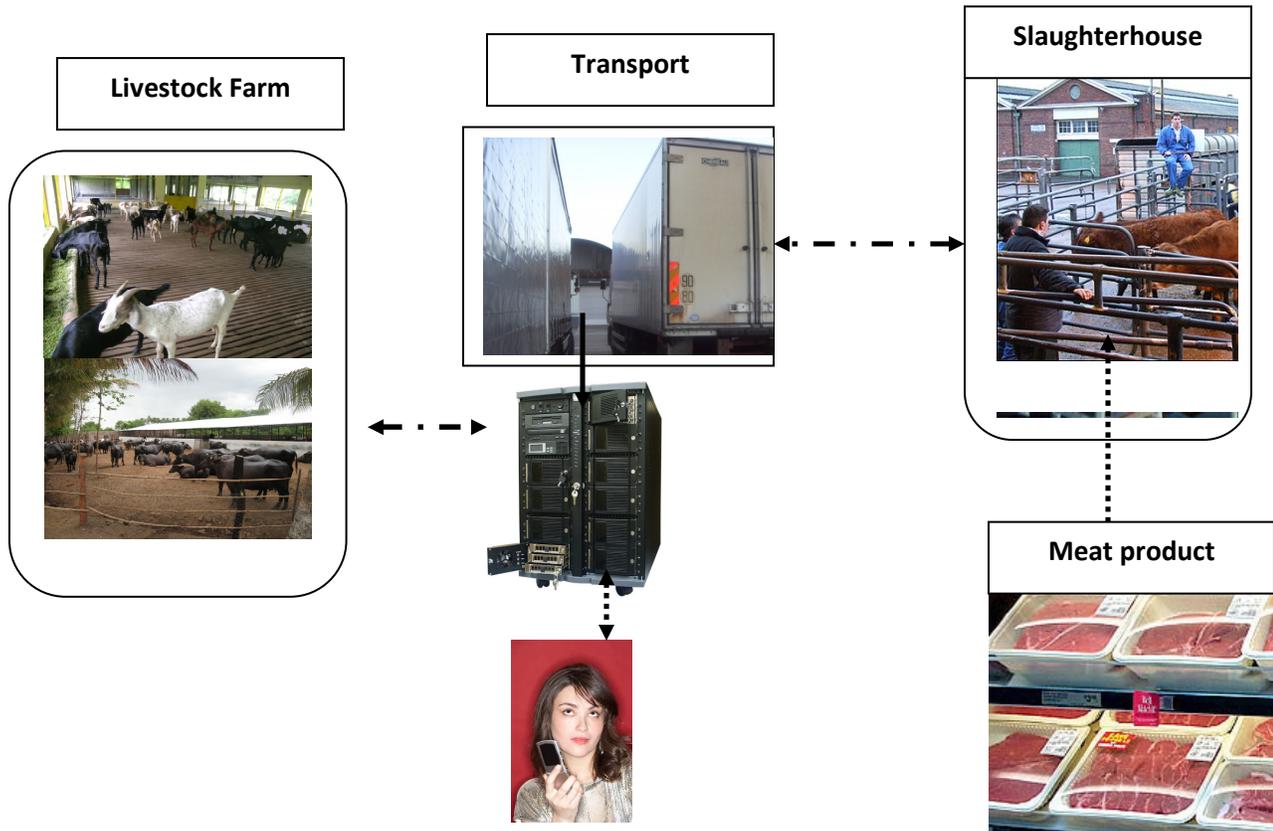
Database has been developed with the technical support of Infonet Pvt Ltd., Mumbai. This manual provides complete information on utility and mode of usage of the database by stakeholders.



## 2.0 ICT System Flow

**2.1 Information Flow:** To enable flow of information central data server has been created by the National Research Centre on Meat, Hyderabad which would maintain the country data. Since the database is related to animal records and each animal is expected to be uniquely identified a common database has been conceived whereas the data can flow from different centers and can be accessed by various stakeholders/end users. In order to facilitate easy access to the software platform a web-based software application has been developed. This enables all the authorized persons including farmers to access the data. This would enhance the transparency and hence credibility of the database. For accessing the software platform the stakeholder should open the web-site <http://www.livestocktraceindia.com>.

## TOTAL SOLUTION TO TRACEABILITY IN MEAT AND PRODUCTS



**The stakeholders** can access the database to perform related functions:

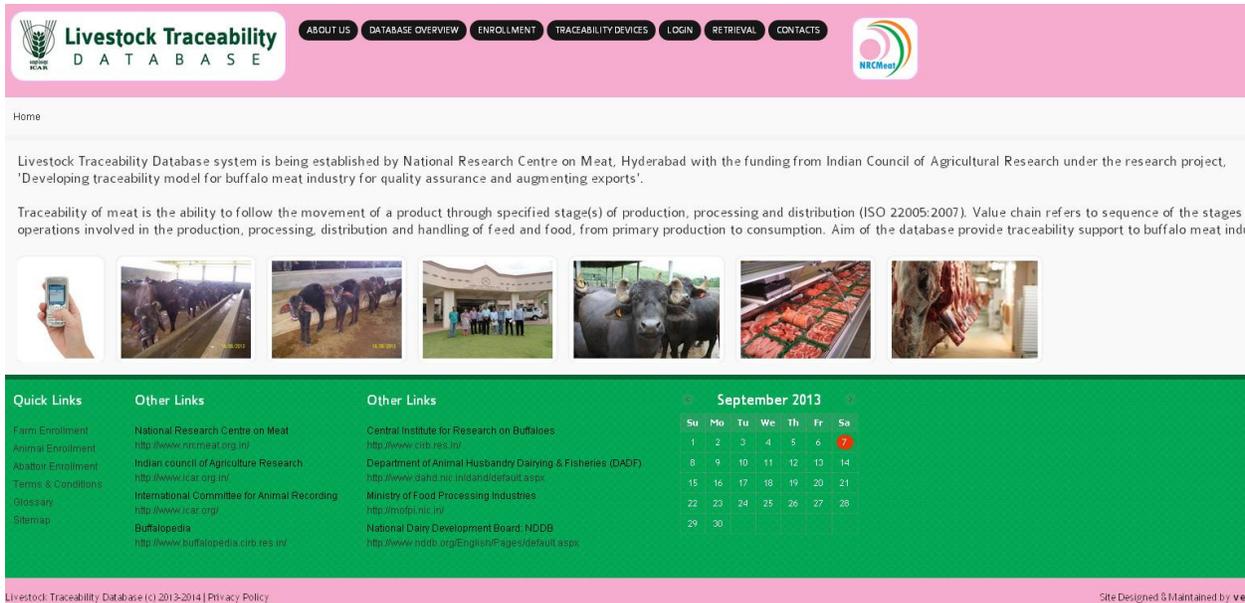
**Industry stakeholders:** Abattoir registration, veterinarian registration, farm registration, animal registration, SMS receiving, data updating.

**Administrator and officials:** Registration approvals, data updating, data sorting, report generation and interpretation, impact analysis, performance appraisal

**Consumer or end user:** Data Retrieval batch no. wise or animal wise

**2.2 Online registration:** For online access to livestock traceability functions, first start your internet, use any browser and type <http://www.livestocktraceindia.com/index.asp>

The page as depicted in figure 2.1 will appear on the screen.



**Fig 2.1: Home page of the livestock traceability database ([www.livestocktraceindia.com](http://www.livestocktraceindia.com))**

### 3.0 Enrollments

**3.1 Farm/Premises Registration:** Farm/premises registration here is defined as the place where the animals are kept (even if temporarily, for example dairy farm or college farm). The registration is done to trace the types of animals reared in premises but also to get in touch with the owner or care-taker of the animals, in case some intervention is needed. To enroll click ‘enrollment’ link on the home page and select ‘farm’ link.

Enrollment page appears as shown in fig 3.1

Required information can be filled in and the form can be submitted which will go to Administrator for approval and for allotment of unique farm/ premises identification number. Upon approval from administrator, farmer will get an approval by e mail following which he can log on to site (fig 3.2) and enroll animals and utilize Herdman software. In future all premises related activity records can be updated and maintained using the log in id generated.

### Proforma for Farm Registration

**\* Name of the Owner**

First Name

Middle Name

Last Name

**\* Address**  
Enter complete address with pin code

State  District

Street  At Post

Mandal  Pincode

**\* Contact No.**

**\* Registration type**  
select from the list

If Other, specify

**\* Veterinary Consultant/Incharge**  
Enter the Name

**\* Farm / Premise Type**  
select from the list

**\* Purpose (objective)**  
of farm / premises

Any other, specify

**Login Details**  
Provide your e-mail address and type your choice password:

**\* E-mail address/Username**  
Enter valid e-mail address

**\* Type Password**  
Enter password with minimum 5 characters

**\* Retype Password**  
confirm password

Fig 3.1



[ABOUT US](#)
[DATABASE OVERVIEW](#)
[ENROLLMENT](#)
[TRACEABILITY DEVICES](#)
[LOGIN](#)
[RETRIEVAL](#)
[CONTACTS](#)


Login

## Login

**User Login**  
Please enter valid details for the particulars:

**Login ID / Username**  
Enter valid login id/ username

**Password**  
Enter valid password

**Login Type**  
select from the list

[New User! Register Here!](#) | [Forgot Password?](#)

Fig 3.2

### 3.2 Animal Registration

Individual animal is the unit of data recording. It is important that the domestic livestock are uniquely identified and registered in the database. Animals can be registered for the purpose of diseases traceability. Ear tags for the animals can be take from National Research Centre on Meat, Hyderabad. After applying the tags to animals registration can be done on the database regarding the animals. Health, breeding and milk record of the identified animal can be maintained on the database. Traceability code of animal will be utilized by the consumer or purchaser to trace details of individual animal. For registering animal first you need to login through Farm/Premise user id and password in the log in space depicted in fig 3.2. After login, click on button ‘Animal Enrollment’ (fig 3.3) which will open up ‘Proforma for animal registration’ (fig 3.4). Details of animal can be fed in system using the proforma.



Fig 3.3

**Proforma for Animal Registration**  
Provide the below details for the particular:

Owner Details

\* Name of the Owner **Prashanth C Murdeshwar**

\* Address State **MAHARASHTRA**

District **Thane**

Street **Lane1**

At Post **Lane2**

Mandal **Kalwa**

Pincode **581403**

\* Ear Tag Number

Traceability Code

Birth Date  Da  Month  Year   
Please enter valid date.

\* Registration type   
select from the list

If Other, specify

Animal Name   
If any

\* Sex   
select from the list

\* Species   
select from the list

\* Breed   
select from the list

Rearing Purpose   
of domestication

Sire (Father) Ear Tag No.

Dam (Mother) Ear Tag No.

Progeny Ear Tag No.

Insurance Tag Number   
Any other

**SUBMIT**

Fig 3.4

It is extremely easy to create the individual files of each animal in the farm using the 'Herdman management' link. Before starting this you need to keep the information about the animal ready. This should be done farmer-wise. You are required to keep the following information of these animals ready so that registration of the animal can be accomplished fast.

**ID number** (identification number), that is the ear tag number.

**Sex:** Whether that animal is female or male.

**Species:** Species of animal. E.g. buffalo, sheep, goat etc.

**Breed:** Breed to which animal belongs to. E.g. Murrah, Bhadawari etc.

**Date of birth/Age:** In case you know the exact date or approximate age (closer to months), either of these can be entered. In case you are entering the age, then the date of birth will be calculated and updated.

**Parity / lactation number:** Herdman takes Heifer as '0' parity and then subsequent parities are calculated. This means that the parity and lactation number would be similar for animals registered in this program.

**Date of last calving:** In case the animal is lactating or else if you know approximate 'Days-in Milk' this can be entered and the program would calculate the date of calving from this information.

**Milk produced as on today:** In case of milking animals', total milk yielded as on the day of registration.

In case of pregnant animal the last estrus date on which animal was inseminated or mated. If this is not known then the approximate gestation days, from which the program will calculate the last heat and insemination date and this will be updated once you save the information and exit from the registration form.

Please note that as far as possible you should try to build up the current parity record as early as possible, immediately after collection of the individual animal information otherwise the information becomes old and the physiological status of the animals would change.

**3.3 Abattoir Registration:** Abattoir is a facility where animals are slaughtered scientifically. Abattoirs can be registered online. For online registration the required information in the ‘abattoir’ enrollment form can be filled and the form can be submitted to the administrator for approval and for allotting identification code. After filling all information click on submit button depicted screen as fig 3.5

Provide the below details for the particulars:

**\* Name**  
Name of the slaughterhouse: Jind

**APEDA Registration No.**  
(If Any): BGDf853722

**\* Address**  
Enter complete address with pin code

State: ANDHRA PRAD | District: Nizamabad

Street: Lane1 | At Post: Sawargaon

Mandal: Sawargaon | Pincode: 581403

**\* Type of ownership**  
Type of ownership of slaughterhouse: Public

If Other, specify: Nil

**\* Owner or monitoring agency**  
Name of the owner or monitoring agency: APEDA

**\* Contact Address of Abattoir incharge**  
Person Incharge of abattoir: 8598989545

**\* Contact Address of Incharge Veterinarian**  
Nimag at post lane 3

**\* Species of animals slaughtered**

Cattle |  Buffalo  
 Sheep |  Goat  
 Chicken |  Pig

Others:

**\* Year of establishment**  
of slaughterhouse: 1998

**Any other information**  
owner wishes to provide:

**Login Details**  
Provide your e-mail address and type your choice password:

**\* E-mail address/Username**  
Enter valid e-mail address: Kelkar.sharad@yahoo.co.in

**\* Type Password**  
Enter password with minimum 5 characters: .....

**\* Retype Password**  
confirm password: .....|

**SUBMIT**

**Fig 3.5**

**3.4 Veterinarian Registration:** Veterinarian can register online by using this form. Click on ‘Veterinarian’ in the enrollment link. In case of new entry, ‘Veterinarian’, name, qualification, address, phone number and abattoir or farm where working need to be entered. Click ‘Submit’ to save the entered information.

**Registration of Veterinarians working in Abattoir / Meat Processing Plant**  
Provide the below details for the particulars:

---

**Name**

**Qualification**  select from the list

**If Others, specify**

**Veterinary Council Registration No.**

**Registered at**  select from the list

**If Other, specify**

**Designation**  select from the list

**If Other, specify**

**Contact Address**

**Pincode**

**Telephone / Mobile**

**Name of Organisation worked for:**

**Address**

**Belongs to which Abattoir**  
Select the Abattoir to which you belong to:

**Select Abattoir**  select from the list

**Belongs to which Farm**  
Select the Farm to which you belong to:

**Select Farm**  select from the list

**Login Details**  
Provide your e-mail address and type your choice password:

**E-mail address/Username**  Enter valid e-mail address

**Type Password**  Enter password with minimum 5 characters

**Retype Password**  confirm password

**SUBMIT**

**Fig. 3.6**

After administrator approval veterinarian can login for enter ante mortem and post mortem details in screen displayed in fig 3.7.



The image shows a 'User Login' form with the following fields and elements:

- Title:** User Login
- Instruction:** Please enter valid details for the particulars:
- Login ID / Username:** A text input field containing 'pm0987@gmail.com'. Below it is the instruction 'Enter valid login id/ username'.
- Password:** A text input field containing '.....'. Below it is the instruction 'Enter valid password'.
- Login Type:** A dropdown menu with 'Veterinarian' selected. Below it is the instruction 'select from the list'.
- Buttons:** A dark grey 'LOGIN' button.
- Links:** Two links at the bottom: '[New User! Register Here!](#)' and '[Forqot Password?](#)'.

**Fig 3.7**

Enter login ID and password and select login type as 'Veterinarian' and screen will display depicted fig 3.8



**Fig 3.8**

Enter all details of slaughtered animal in the form shown on fig 3.9. While packing, meat can be packed with either individual animal or as batch number. If batch number is given all the animals which are included in the batch need to be entered. Veterinarian can enter the details of animal, antemortem and postmortem findings in real time using hand held device. Else, form can be filled by hand by the Veterinarian which can be uploaded in the database by computer operator.

**Slaughter house PM Entry form**  
Provide the below details for the particulars.

**Abattoir / Slaughter House Name**

**Name of the Owner**

**Address**

**Pincode**

**Tag no. of Animal**

**Date of Arrival**   
(dd-mm-yyyy)

**Sex**   
select from the list

**Species**   
select from the list

**Breed**   
select from the list

**Antemortem Exam** **Date**

**Findings of Antemortem (AM)**

1.	<input type="text"/>	2.	<input type="text"/>
3.	<input type="text"/>	4.	<input type="text"/>

**Observations**  
Any objectionable / no objectionable

1.	<input type="text"/>	2.	<input type="text"/>
3.	<input type="text"/>	4.	<input type="text"/>

**Samples sent to Laboratory**  
for further analysis

**Judgement / Discussion of**   
vet/clinician

**Date of Slaughter**

**Postmortem Exam** **Date**

**Findings of Postmortem (PM)**

1.	<input type="text"/>	2.	<input type="text"/>
3.	<input type="text"/>	4.	<input type="text"/>

**Observations**  
Any objectionable / no objectionable

1.	<input type="text"/>	2.	<input type="text"/>
3.	<input type="text"/>	4.	<input type="text"/>

**Samples sent to Laboratory**  
for further analysis

**Judgement / Discussion of**   
vet/clinician

**Final Judgement of Veterinarian**   
vet/clinician

**Specify rejected portion**

**Meat Packaging Format**  
batch no. of packages

**SUBMIT**

**Fig 3.9**

**4.0 Administrator Module:** The administrator need to approve abattoir, farm/premise, animal, veterinarian after entry by the stakeholders. Administrator can also create species and breed information in the formats. Only authorized persons can enter as administrator to manage the information. Click 'Login' to log on administrator form depicted in Fig. 4.1. The Administrator can then open the registration form for purpose of approval and after approval of admin abattoir, farm/premise and



veterinarian will able to login form.

**Fig. 4.1**

After click login below screen will appear enter username and password and select login type as Admin and then click login button form shown in depicted in fig 4.2.

**User Login**  
Please enter valid details for the particulars:

**Login ID / Username**   
Enter valid login id/ username

**Password**   
Enter valid password

**Login Type**   
select from the list

**LOGIN**

[New User! Register Here!](#) | [Forgot Password?](#)

**Fig 4.2**

**4.1 Species Registration:** To create species click on ‘Species’ to generate entry form depicted in fig. 4.3. Panel describes the existing species, with details of the name and description. As you keep on adding species the list will be depicted in the grid. In case of a new species, click ‘Species Name’ to generate an entry form in which details can be entered.

Click here fro master entry

ADMINS MASTER FARM/OWNER ANIMALS ABATTOIRS MEAT PLANTS VETERINARIANS REPORTS LOGOUT

ADMIN SPECIES BREED

Current Date Time: September 06, 2013 13:31:50

**Add Species**

\*Species Name:

Reset Submit

SEARCH: Any  SEARCH

**Species**

No.	Species Name	action
1.	Pig	
2.	Chicken	
3.	Goat	
4.	Sheep	
5.	Buffalo	
6.	Cattle	

**Fig 4.3**

**4.2 Breed Registration:** To create breed click on ‘Breed’ to generate entry form depicted in fig. 4.4. Panel describes the existing breed, with details of name and description. As you keep on adding breed the list will be depicted in the grid. In case of a new breed first select species, click ‘breed Name’ to generate an entry form in which details can be entered.

The screenshot shows a web application interface for breed registration. At the top, there is a navigation menu with tabs: ADMIN, SPECIES, BREED, ADMINIS, MASTER, FARM/OWNER, ANIMALS, ABATTOIRS, MEAT PLANTS, VETERINARIANS, REPORTS, and LOGOUT. The 'BREED' tab is active. Below the menu, the current date and time are displayed as 'September 06, 2013 13:32:27'.

The main content area features an 'Add Breed' form with the following fields:
 

- \* Species : Select Species (dropdown menu)
- \*Breed Name : (text input field)
- Located : (text input field)
- Breed Type : (text input field)

 Below the form are 'Reset' and 'Submit' buttons.

Below the form is a search bar with a dropdown menu set to 'Any', a text input field, and a 'SEARCH' button.

The 'Breed' table below the search bar contains the following data:

No.	Breed Name	Location	Breed Type	Species	action
1.	013		Non-descriptive/Deshi	Cattle	
2.	Other		Other	Buffalo	
3.	Bhadawari		Bhadawari	Buffalo	
4.	Mehasana		Mehasana	Buffalo	
5.	Nilli Ravi		Nilli Ravi	Buffalo	
6.	012	Nanded ,Latur,Hingoli,Beed, Parbhani,MS.	Lalkandhari	Cattle	
7.	011	Kolhapur,solapur,Sangli, Satara,etc.	Khillar	Cattle	
8.	020			Buffalo	
9.	010	Junagad,Bhavnagar,Amrel in Gujrat.	Gir	Cattle	
10.	009	Balaghat,Chindawada(MP),Durg & Rajnandgaon in Chhatisgarh,Wardha in MS.	Gaulau	Cattle	
11.	019	Kolhapur,Solapur,Sangli,Satara,south Mah.	Pandharpuri	Buffalo	
12.	008	Maarathwada,Karnatak Boundry area	Devani	Cattle	
13.	007	Nashik,Maharashtra	Dangi	Cattle	
14.	018	Vidharbh in Maharashtra	Naggpuri	Buffalo	
15.	017	North & West Portion of India	Murrah	Buffalo	
16.	016	Marathwada Maharashtra Paarbhani,Nanded,Beed,Latur	Marathwadi	Buffalo	
17.	015	Kheda,Badodara,Bharuch, surat in Gujrat.	Surti	Buffalo	
18.	006		Crossbreed Others	Cattle	
19.	005		Cross breed Holstein-Friesian	Cattle	
20.	014	Junagad,Bhavnagar,Amrel in Gujrat.	Jafarabadi	Buffalo	
21.	004		Crossbreed Jersey	Cattle	
22.	003		Others	Cattle	
23.	002		Holstein Friesian	Cattle	
24.	001		Jersey	Cattle	

**Fig. 4.4**

After creating the required breed, click ‘Submit’ and thereafter click on ‘Cancel’ to go back to the ‘Master Entry menu’. It is recommended that no editing of the species be carried out through this form. A word of caution: Do not delete, since deletion will also lead to loss of information of animals in all the species.

**4.3 Farm Approval:** The administrator need to approve farm/premise after registration by the in-charges of farm & abattoir. Details filled in enrollment form will come for administrator for authentication of data and approval. Administrator will also allot traceability codes for farms and abattoirs (Fig. 3.17). Administrator can accept or reject the enrollment request if the information provided is insufficient.

ADMIN    ADMINS    MASTER    **FARM/OWNER**    ANIMALS    ABATTOIRS    MEAT PLANTS    VETERINARIANS    REPORTS    LOGOUT

Current Date Time: September 06, 2013 13:33:03

**Edit Farm Enrollment**

**Proforma for Farm Registration :**

Farm / Premise Registration No.:

Name of owner:

First Name

Middle Name

Last Name

Address:

State:  District:

Street:  At Post:

Mandal:  Pincode:

Contact No.:

Registration Type:

Others:

Veterinary Consultant / Incharge:

Farm / Premise Type:

Purpose (Objective):

Others:

**Login Information :**

Username:

\* Status:

SEARCH:

Farm / Premises Enrollment									
No.	Reg. No.	Owner	Registration Type	State	District	Mandal	Username	Status	action
1.		National Research Centre on Meat	Government	ANDHRA PRADESH	Hyderabad	Hyderabad	livestocktraceindia@rediffmail.com	Approved	
2.	5000920101	NRCMeat ICAR	Government	ANDHRA PRADESH	Hyderabad	Uppal, Hyderabad	imsaconv@gmail.com	Approved	
3.	5772160101	prakash basavarajappa karishnthol	Private	KARNATAKA	Saharsa	holalur	prakashkster@gmail.com	Approved	
4.	BGC333456	Arun S Patil	Private	KARNATAKA	Bhagalpur	Mundali	Freshmilkdairy@gmail.com	Approved	
5.	BGC1002	Arun S Patil	Private	KARNATAKA	Bhagalpur	Mundali	Freshdairy@gmail.com	Approved	
6.	B1002	Ramesh H Naik	Private	KARNATAKA	Dhamtari	Mundali	Contact@vetware.in	Approved	
7.	1234	Prashanth C Murdeshwar	Trust	ANDHRA PRADESH	Nicobar	SDFDSFDS	rajukkcdas@gmail.com	Approved	

**Fig. 4.5**



**4.5 Abattoir Approval:** The administrators have rights to approve, reject or hold abattoir registration. After registration abattoir information will come to administrator for approval. Administrator will authenticate data and approve and will give traceability code and after approval abattoir user will be able to login from his user id.

Below list show list of abattoir you can click on row to give approval or reject select status and then click on update button. After clicking the required farm, above information will display. Select status and click on submit button as displayed screen shown in Fig. 4.7.

ADMIN    ADMINS    MASTER    FARM/OWNER    ANIMALS    **ABATTOIRS**    MEAT PLANTS    VETERINARIANS    REPORTS    LOGOUT

Current Date Time: September 06, 2013 13:33:58

---

**Edit Abattoir Enrollment**

**Proforma for Abattoir Registration :**

Name of Slaughter House:

APEDA Registration No.:

Registration No.:

Address: State:  District:   
 Street:  At Post:   
 Mandal:  Pincode:

Type of Ownership:  Others:

Owner or Monitoring Agency:

Abattoir Incharge Contact Address:

Veterinarian Contact Address:

Species Slaughtered:  Cattle     Buffalo  
 Sheep     Goat  
 Chicken     Pig  
 Others

Year of Establishment:

Any Other Information:

---

**Login Information :**

Username:

\* Status:

---

SEARCH:

Abattoir Enrollment						
No.	Reg. No.	Name	Type	Username	Status	action
1.	50009202002	p rama krishna rao	Public	vet_drk@yahoo.com	Approved	
2.	52022002001	FC Alana Pvt Ltd	Private	drdalmikhaieel@yahoo.com	Approved	
3.	50007602001	Alkabeer Exports Pvt Ltd	Private	mustajab9246@yahoo.co.in	Approved	
4.	78113102001	Pig abattoir	Public	nrcmnaip@gmail.com	Approved	
5.	12344444	Agri Meat	Public	contactr@vetware.in	Approved	
6.	50009202001	Municipal Slaughterhouse	Public	girlshipt@rediffmail.com	Approved	
7.	345670	JAI hind agro	Public	contact@vetware.in	Approved	
8.	40000001234	TEST ABATTOIR NAME	Public	rajudas_2002@yahoo.com	Approved	
9.	50009202001	Experimental abattoir	Public	girlshipt@gmail.com	Approved	
10.	1234	TEST SLAUGHTER NAME	Public	rajukkcdas@gmail.com	Approved	

**Fig. 4.7**

**4.6 Veterinarian Approval:** The administrators have rights to approve, reject or hold abattoir registration. After registration of veterinarian, information will come to administrator for approval. Administrator will authenticate data and approve displayed form shown in Fig. 4.8 and after approval Veterinarian will be able to login from his user id and password.

ADMIN    ADMINS    MASTER    FARM/OWNER    ANIMALS    ABATTOIRS    MEAT PLANTS    **VETERINARIANS**    REPORTS    LOGOUT

ADMIN  
Current Date Time: September 06, 2013 13:34:18

**Edit Veterinarian**

**Veterinarian Registration :**

Name of Veterinarian:

Qualification:

Veterinary Council Reg. No.:

Registered at:

Designation:

Nature of Work:

Contact Address:

Telephone/Mobile:

Abattoir:

**Login Information :**

Username:

\* Status:

SEARCH:

Veterinarians									
No.	Reg. No.	Veterinarian	Qualification	Registration At	Designation	Phone/Mobile	Username	Status	action
1.	14343656	bijargi	MVSc	Other	Scientist	98934565879		Waiting for approval	
2.	vbnbbvn	awsdc5DcXZv	Othervbnmx bv	Othercvnzcbn	Other	9987014119	xfgfghfjnrjyjn@gmail.com	Waiting for approval	
3.	3331	Nagappa Karabasanavar	PhD	SVC	Assistant professor	7204776725	pub.nag@gmail.com	Approved	
4.	2535	Umesh BU	MVSc	SVC	Assistant professor	9916208462	umeshbu@rediffmail.com	Approved	
5.	03841	Dr Shailesh Bagale	MVSc	VCI	Senior Research Fellow	7207226309	shaileshbagale@gmail.com	Approved	
6.	03127	dr ramakrishna rao	BVSc	SVC	veterinary officer	09989930357	vet_drrk@yahoo.com	Approved	
7.	02233	Dr Daimi Khaleel	BVSc	SVC	VAS	9959545936	drdaimikhaleel1110@gmail.com	Approved	
8.	AP5VC/03934	Dr. Dipankar pal	BVSc	SVC	VAS	8790997975	drdip.pal@gmail.com	Approved	
9.	apsvc/03958	Dr N Shivakumar	BVSc	SVC	VAS	9533641240	shivavety@gmail.com	Approved	
10.	AP123	Padma Rao	MVSc	SVC	VAS	9704531113	padmarao.masani@gmail.com	Approved	

Prev **1** 2 Next

**Fig 4.8**

**Following animal related data can be updated in the Herdman management system.**

**Vaccination:** Normally, all the animals in the premises are vaccinated hence it is possible to develop premises based vaccination maps for any given area. To enter vaccination details enter in the premises registration page and click ‘Vaccination’, enter all the details and click ‘Save’ to save the data on the server.

**Disease outbreak reporting:** In case of any disease outbreak, the premises-based data can be entered. The outbreak data entry can be done only by an authorized officer. Once the data is entered the alerts are generated for the outbreak investigation agency, which after investigations finally authorize the data updating on the server. It may be noted that unless the outbreak is finally confirmed by the authorized officer, the outbreak is not officially updated on the server.

**Disease incidence:** There is also facility of reporting of diseases of economic importance, such as, mastitis, hereditary disease in calves, tuberculosis, abortions, etc. The diseases to be reported can be decided and entered in the server by the ‘Administrator’. For entry of the disease incidence the authorized officer can enter the information by opening the ‘disease incidence reporting’ page and entering the required information. Please note that even the disease incidence record is first submitted to the authorized officers for scrutiny and only after vetting of the record the information is updated on the server.

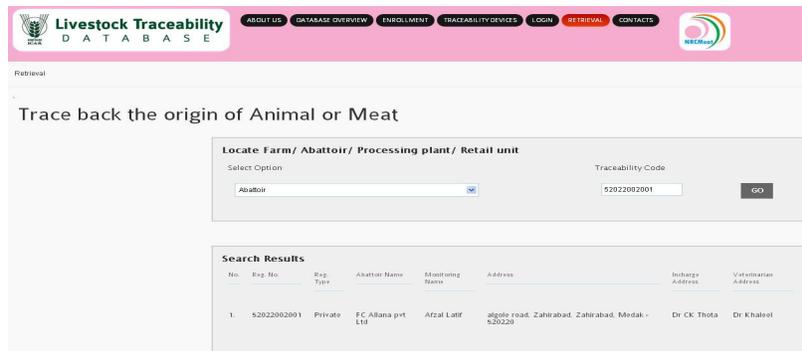
**Supplies:** Under many government agencies the farmers are provided with benefits in terms of free or subsidized material such as, feed, mineral mixture, etc. The records of such supplies can also be maintained. To enter the records, open the supplies data entry format and enter all the information and submit the record for update in the server.

**Reports related to premises:** The primary aim of premises registration is to enable rapid tracing of the premises where particular types of animals are maintained. For example, if in a village few cases of FMD have been detected and the team has to get in touch with all the farmers rearing large animals, say around 5 km perimeter of the hot spot, the database would be able to generate such a list with contact details. An alert message then can be sent to these farmers and in a planned way the outbreak investigations and preventive measures can be implemented. The reports however can be generated only by designated officers of the Department.

## 5.0 Retrieval

### 5.1 Online Retrieval

Information pertaining to contact details and address of the abattoirs and farms can be retrieved using the traceability code of farm and abattoirs in the retrieval link shown in the home page of the database ([www.livestocktraceindia.com](http://www.livestocktraceindia.com)). Similarly, details of origin of meat, place of its processing, antemortem and postmortem information be retrieved using the traceability code or batch code on the meat package. Details of code for retrieval can be entered as shown in fig 5.1.



The screenshot shows the 'Livestock Traceability DATABASE' website. The navigation bar includes links for ABOUT US, DATABASE OVERVIEW, ENROLLMENT, TRACEABILITY DEVICE, LOGIN, RETRIEVAL, and CONTACTS. The main heading is 'Trace back the origin of Animal or Meat'. Below this is a form titled 'Locate Farm/ Abattoir/ Processing plant/ Retail unit'. The form has two input fields: 'Select Option' with a dropdown menu set to 'Abattoir', and 'Traceability Code' with the text '52022002001'. A 'GO' button is to the right of the code field. Below the form is a 'Search Results' table with the following data:

No.	Reg. No.	Reg. Type	Abattoir Name	Marketing Name	Address	Marketing Address	Veterinarian Address
1.	52022002001	Private	FC Allana prt Ltd	Afzal Latif	algole road, Zahirabad, Zahirabad, Medak - 520220	Dr CK Thota	Dr Khaleel

Fig 5.1

### 5.2 Retrieval using Short Message Service (SMS)



Fig 5.2

Purchaser or consumer can retrieve the information of abattoir, farm and origin details of the meat using mobile based Short Message Service (SMS). Traceability code can be messaged to 09645221221 in the following format: LS Traceability code (e.g. LS 625252222). Normal SMS charges will be applicable for retrieval.

## 6.0 Herd Management

Upon logging in using farm/ premise username and password, ‘Herdman management’ link will be visible on the main menu (fig 6.1). Click it to open Herdman application.



**Fig 6.1**