



Department of Agriculture & Cooperation
 Ministry of Agriculture
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Agricultural Mission Mode Project under National e-Governance Plan



Providing Information on Livestock Management Draft Software Requirements Specification (SRS)



Agricultural Informatics Division
 National Informatics Centre
 Department of Information Technology
 Ministry of Communications & Information Technology
 Government of India



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1. INTRODUCTION

1.1 Purpose

The purpose of this document is to describe the software requirement specifications for various modules of **Service 12 on Livestock Management Information System** under **NeGP-A Mission Mode Project**.

The SRS document consists of the collection of the requirements and detailed information on how the Livestock Management Information System will work. The document details the various processes involved and an analysis of how the current processes can be reengineered to formulate a system, which will be used to automate the process.

The Objectives of this Document are:

- To identify the user requirements.
- To list department functions and entities.
- To provide details of Software requirements.
- To describe data requirements.
- To identify software acceptance criteria along with various assumptions/dependencies.

The Intended Audiences of this Document are:

1. NIC Coordinators:

NIC Coordinators will analyze the document prepared by NIT and will provide feedback on the work delivered by NIT.

2. Central and state level employees of Ministry of Agriculture (DAC):

The final usage of system will be done by Department users from Ministry and they will be responsible to provide final feedback on work completed by NIT and the authenticity and relevancy of analysis done during requirement gathering, which will further be used to create the software.

The users can read the document to understand on what is being delivered to them and can suggest features, which can make the system better and more users friendly.

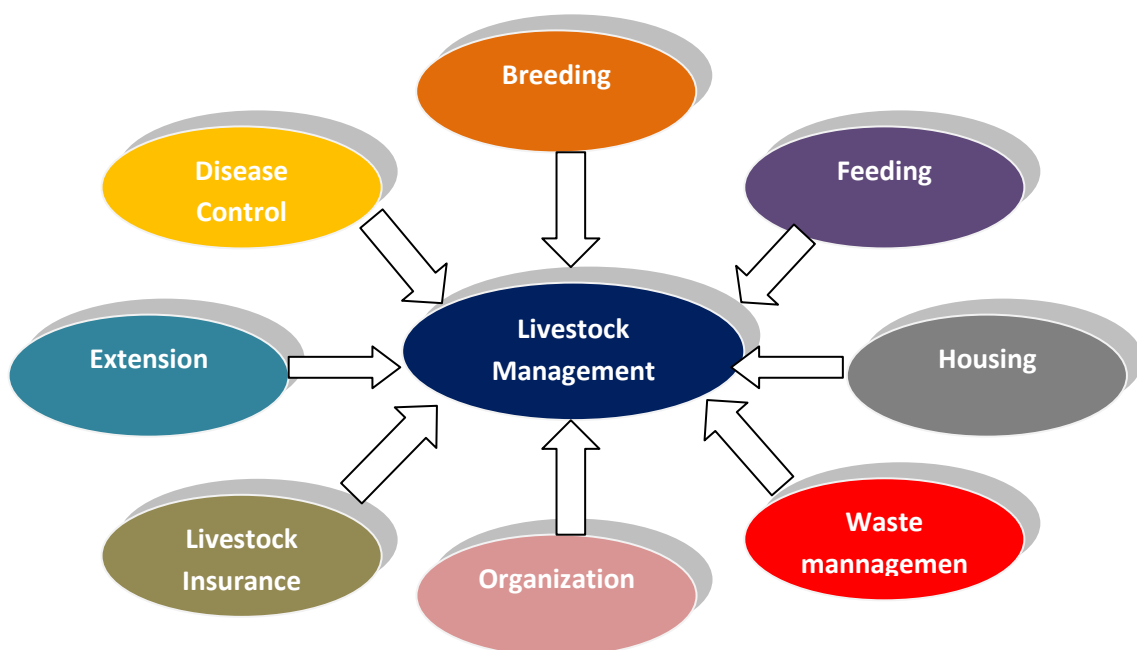
3. Technical / Programming Team

The Technical team will comprise of Senior Project Manager, Project Manager, and Module leads, Developers, Testers for the project, who would all be referring this document to design and develop the software based on the specifications laid out.

- Developers will be using the document to ensure they are developing the right product, as per the specifications given in the document.
- Testers can use this document to prepare their test cases for module testing and complete product testing.
- Project Manager and Senior Project Managers can refer the document to ensure right product is being developed.

1.2 Scope

The NeGP-A Mission Mode Project for Service 12 on Livestock Management Information System aims at providing a web enabled interface at the Centre Level for monitoring the Livestock Management related activities at State Level, which would be the source of relevant information and an interface for providing information on Government Services.



The Proposed System will be covering 7 Pilot States which will in turn be providing detailed as well summarized information on availability of various Livestock Management related activities at State Level, Expert Advisory Services on Livestock Management during Normal, Drought, Flood and Epidemic Circumstances and also information on availability of Feed and Fodder in the nearest region of the Livestock Farmer including various Centrally Sponsored and Central Sector Schemes.

It facilitates “Drill Down” feature at various levels which adds a fine transparency in the reports.

Apart from this it will serve as an important source of information for “Livestock Management Related Activities/Practices “such as:

- Livestock Daily Health
- Feed and Fodder/ Fodder Seed Information
- Medicinal Help
- Expert Advisory Services
- Veterinary Services
- Breeding related Activities/Practices
- Disaster Management
- Preparedness and Surveillance of Animal Diseases
- Artificial Insemination
- Livestock Insurance and Claims
- Livestock Disease Control
- **Forecasted Weather & Agro-Met Advisories**
- **Waster manangement,**
- **Recycle mangement 3**
- **Training**
- **Family tree**
-

The system will also work as an interface for availing of Livestock related Government services like:

- Veterinary Services at Farmer’s door step
- Feed and Fodder Availability
- Livestock and Poultry Products
- Grievances

- Expert Advisory

Table: States to be covered

<i>SNO.</i>	<i>STATES</i>	<i>DISTRICTS</i>	<i>BLOCKS</i>
1	Assam	27	220
2	Himachal Pradesh	12	75
3	Maharashtra	35	358
4	Madhya Pradesh	50	313
5	Jharkhand	24	212
6	Karnataka	29	176
7	Kerala	14	152
Total State Locations		187	1505

All the services can be categorized into the following types:

1.2.1 WORKFLOW BASED

- Disease Reporting
- Availing AI Services
- Availing Veterinary Services
- Livestock Insurance
- Vaccination Services
- Feed and Fodder Management
- Breeding Management
- Poultry Management
- Training of Farmers
- Marketing of Livestock Products
- Import Export of Livestock Products

1.2.2 CONTENT BASED

- Information on various Livestock Diseases
- Information on various Poultry and Duck Diseases

- Information on Superior Breed of Livestock & Poultry
- Information on Livestock Management related Activities
- Information on Poultry Management related Activities
- Information on Feed and Fodder
- Information on Market and Marketing of farm products
- Information on Hatchery units and feed mills
- Information on Government of India Sponsored Schemes
- Information on State Government Sponsored Schemes
- Information on Zoonotic Diseases
- Information on Management of Pet Animals
- Information on Quality of Meat and Meat Products
- Information on Preparedness before Drought Circumstances
- Important information during Drought
- Information on Preparedness before Flood Circumstances
- Important information during Flood Circumstances
- Important information during Epidemic
- Information on Slaughter Houses
- Information on Registered Farmers
- Information on Meteorological Conditions
- Information on Problems due to Different Hazardous weathers

FEEDBACK Given by Kerala

Farmers's requirement in CAP/SAP

- ✚ Procedure for starting a farm (eg. Poultry, Piggery etc.) from whom permission has to be obtained. How to get electricity connection, insurance coverage etc.
- ✚ Designs of farms (10 nos, 20 nos.etc)
- ✚ Information about schemes funded by government, agencies other than government (NABARD, Block Panchayat, Grama Panchayat) and their implementation guidelines.
- ✚ How to get compensation after a natural calamity ? Whom to approach and from where to get compensation.
- ✚ Success stories of farmers' should be made available [With photos, how much price money has been awarded etc.]
- ✚ Screening procedures of diseases
- ✚ Toxic plants in Kerala
- ✚ Disposal of dead animals (whom to contact/how it has to be disposed)biologically
- ✚ Cruelty against animals (whom to contact)
- ✚ Latest GO's, laws & rules related to Poultry/Animal of National/State importance
- ✚ Information about cattle markets, slotter houses, Resource mapping, cattle movement tracks (animal check posts) (to control diseases) etc. to be made available
- ✚ Book references
- ✚ District-wise, Block-wise, Panchayat –wise list of Veterinary institutions, universities, sub center details, polyclinics, office details, staff details (livestock inspectors) with contact details
- ✚ Services rendered by above institutions
- ✚ Details of farms, Training centres, Farm schools, registered private farms etc.

- ✚ Selling price of farm products
- ✚ Availability of fodder , feeds inputs (Government and Private)
- ✚ Livestock insurance details
- ✚ Breeds of livestock and poultry.
- ✚ Package of Practices [Major points – Breeding/Feeding/House Management of Cattle/Goat/buffalo/Pig/Rabbit/Poultry/Duck]
- ✚ Major diseases in animals and poultry along with images and their details
- ✚ District-wise vaccination scheduling in animals & poultry
- ✚ Waste disposal methods
- ✚ Procedure for license (Farm, Dealer license)
- ✚ Details of training programmes
- ✚ Metrological aspects
- ✚ SPC rules/Elephant rules
- ✚ Details of district-wise modernized model farms (Scientifically kept farm) and details of ideal farmers
- ✚ Breeder’s information
- ✚ Disaster Management
- ✚ ABC programme
- ✚ How to patent a new innovation [whom to approach and what have to be done] made by a farmer
- ✚ How to apply for a scheme ?
- ✚ Information about nearest railway stations/bus stands/Airports
- ✚ Epidemic pattern (seasonal outbreak of diseases) of animals and poultry
- ✚ Rabies control
- ✚ Software should be implemented at panchayat level and not at block level.
- ✚ Availability of stock anywhere in Kerala should be updated frequently and made known to the farmer.
- ✚ Project report preparation should be computerized. (For eg. to construct a farm consisting of 100 cattle funded by NABARD).
- ✚ List of registered practitioners (doctors) at government & private sectors

1.2.3 Transaction Based

- Grievance Management
- Expert Advisory
- Registration of Farmer
- Registration of Domesticated animals
- Registration of Pet Animals

1.2.4 GIS BASED

- Animal Diseases
- Cattle & Buffalo Breeding Farms
- Animal Disease Diagnostic Testing Labs
- Veterinary Dispensaries/Hospitals
- livestock Pasture Land for Fodder

- Dairy Cooperatives & Milk Collection Centers
- Artificial Insemination(AI) Centers
- Stockman Centers
- Frozen Semen Bank

Objectives of the System:

- To Deliver an efficient and reliable information and services to realize the basic need of the livestock farmer
- To automate the process of monitoring reports on various Livestock Issues at the centre.
- To bring transparency in the monitoring process.
- To provide a large pool of information on “Livestock Related Issues”.
- Increasing Effectiveness of Government Service Delivery

Benefits of the System:

- Effective Monitoring at Centre
- Reducing time required for data consolidation and reporting of Physical Reports at all Levels
- Improve access of Farmers to timely and relevant information
- Improve access of Farmers to relevant Services
- Increasing Effectiveness of Government Service Delivery
- Makes Public information and Government Services available to Citizens and Officials anytime, anywhere
- Improvement of Audit and Control

1.3 Definitions, Acronyms and Abbreviations

Term	Description / Explanation
ICAR	Indian Council of Agricultural Research
KCC	Kissan Call Center
KVK	Krishi Vigyan Kendra
BE	Budget Estimate
RE	Revised Estimate
AI	Artificial Insemination
DMS	Delhi Milk Scheme
NeGP	National e-Governance Plan

ADDL	Animal Disease Diagnostic Laboratory
ADIU	Animal Disease Intelligence Unit
AHO	Animal Husbandry Officer
AQCS	Animal Quarantine and Certification Services
ASCAD	Assistance to States for Control of Animal Diseases
AVFO	Assistant Veterinary Field Officer
BAHO	Block Animal Husbandry Officer
BVU	Block Veterinary Unit
BQ	Black Quarter
CVO	Chief Veterinary Officer
DADF	Department of Animal Husbandry, Dairying and Fisheries
DAHO	District Animal Husbandry Officer
DD	Deputy Director
DRS	Disease Reporting System
DVO	District Veterinary Officer
FMD-CP	Foot & Mouth Disease Control Programme
HSDDL	High Security Disease Diagnostic Laboratory
HS	Hemorrhagic Septicemia
IVRS	Interactive Voice Response System
LH & DC	Livestock Health & Disease Control
LEO	Livestock Extension Officer/Stockman
MMA	Macro Management of Agriculture
MIS	Management Information System
NADRS	National Animal Disease Reporting System
NGO	Non-Government Organizations

NIC	National Informatics Centre
NPRE	National Project on Rinderpest Eradications
OBR	Out Break Report
VO	Veterinary Officer
SMS	Short Message Service
SRS	Software Requirement Specification

1.4 References

S. No	Document Reference	Remarks
1	Center Government Visits Examined Current Work Flow as well as the Present System Type.	ANNEXURE-I
2	State visits :Examination of the current manual and automated processes	ANNEXURE-II
3	Talk with the domain experts	ANNEXURE-III
4	Examination of suggestions and problem reports	ANNEXURE-IV
5	NADRS(National Animal Disease Reporting System)	ANNEXURE-V

1.5 Overview

The SRS gives details of the processes used in current system and how the software would implement the features by process reengineering of current process or implementing the current as-is flows depending on the achievement of final objectives of the system.

The rest of document is segregated in to sections like product perspective, product functions, user characteristics, constraints in system, assumptions and dependencies in system, which detail requirements at an **Overview** level and then there are sections like use cases, class diagrams and global collaboration diagram which form a point of reference for development team.

The SRS is also organized keeping in mind the type of users who would be accessing this document. In brief there is, the chapter wise documentation of the SRS:

Chapter 1: Introduction to the SRS

Chapter 2: Overall Description of the Application to be developed

Chapter 3: Specific Requirements detailing Use Cases, Class Diagrams and Global Collaboration Diagram.

1.6 Gap Analysis for 7 Pilot States

1.6.1 Gap Analysis for Karnataka

S. No	Services	Existing Systems	Proposed System
1.	Livestock Daily Health	This service is under http://ah.adfmaharashtra.in but it maintains information on monthly basis and also this service is available in NADRS application.	An online web application which will incorporate NADRS application via web services for the livestock daily health related activities (like Vaccination, Medication etc)
2.	Feed and fodder Information	This service is achieved under NADRS as well as manually.	The proposed web application will provide the daily based fodder seed distributions which will be achieved through NADRS application.
3.	Medicinal Help	This Service is available under http://stg1.kar.nic.in/ahvs .	A web based application which will incorporate the features related to Medicinal Help like issues of medicines etc through http://stg1.kar.nic.in/ahvs via web services.
4.	Expert Advisory Services	No Web application is available. Or manual system is available.	A well web based application to provide Expert Advisory on the Circumstances like (i) Normal, (ii) Drought, (iii) Flood (iv) Epidemic for the topics like Feed & Fodder, Livestock Management etc.

5.	Veterinary Services	This Service is available under NADRS application and even also included into http://stg1.kar.nic.in/ahvs .	A Web Based Application to provide a platform which will access NADRS through web services to achieve daily work along with the progress reports of related issues like Outbreak Reports, Veterinary services on the door steps, Vaccinated animals etc.
6.	Breeding related Activities/Practices	The work is achieved manually.	A web based application to provide breeding related activities at the block level like number of breeding done in a day, number of calf's born , pregnancy etc
7.	Disaster Management	The work is achieved manually.	Web Based guidelines and reporting system & Linkage with other concerning Department.
8.	Preparedness and Surveillance of Animal Diseases	This Service is available under NADRS application and even also included into http://stg1.kar.nic.in/ahvs	A web Based system which will allow the Govt. official to give tips on the preparedness of animal disease and more over will also let them able to keep tracks on the livestock diseases(like how many cases registered etc) Disease surveillance is achieved through NADRS via web services.
9.	Artificial Insemination	This Service is available under NADRS application and even also included into http://stg1.kar.nic.in/ahvs	A Well Defined online based system to capture the day to day work related to artificial insemination like Breeding management, semen stations entries, etc by a web service which will pull the Required data from NADRS application.

10.	Livestock Insurance	This Service is available under NADRS application	A web based system which will provide the information related to livestock insurance like the name of the companies, Animal Insured, Claims Made, Fund Utilization etc via Web services From NADRS application.
11.	Livestock Disease Control	This Service is available under NADRS application and even also included into http://stg1.kar.nic.in/ahvs	A web Based system which allow the Govt. official to keep track on diseases outbreak, affected livestock, Dead, Disease Wise Incidences etc through NADRS via Web Services.
12.	Veterinary services at Farmer's door step	This Service is available under NADRS application and even also included into http://stg1.kar.nic.in/ahvs	An online workflow based system which will incorporate NADRS via Web services to provide the farmers and common channels a medium to avail the veterinary services, and also make those services available at their door steps. Services like vaccination, castration, semen distribution etc.
13.	Grievances	This Service comes under NADRS	A online based system which will use NADRS application to give the farmer as well as Govt. official a privilege to lodge their Grievances, it also provide the status check feature to enable the user to the track the current status of his Grievances.

1.6.2 Gap Analysis for Kerala

S. No	Services	Existing Systems	Proposed System
1.	Livestock Daily Health	This service is available under http://ahdkerala.gov.in/ahead and also in NADRS application.	An online web application which will incorporate NADRS application via web services for the livestock daily health related activities (like Vaccination, Medication etc)
2.	Feed and fodder Information	This service is under NADRS.	The proposed web application will provide the daily based fodder seed distributions.
3.	Medicinal Help	This service is available under http://ahdkerala.gov.in/ahead/	A web based application which will incorporate the features related to Medicinal Help like issues of medicines etc through http://ahdkerala.gov.in/ahead via web services.
4.	Expert Advisory Services	" Expert Advisory service for Livestock Management - The service is available in Touch screen kiosk software developed by Animal Husbandry department and installed in various locations through out the state. Manually it is available in all the Livestock Management training Centres of the Department.	A well web based application to provide Expert Advisory on the Circumstances like (i) Normal, (ii) Drought, (iii) Flood (iv) Epidemic for the topics like Feed & Fodder, Livestock Management etc.

5.	Veterinary Services	This service is available under http://ahdkerala.gov.in/ahead/ , also under NADRS application	A Web Based Application to provide a platform which will access NADRS through web services to achieve daily work along with the progress reports of related issues like Outbreak Reports, Veterinary services on the door steps, Vaccinated animals etc.
6.	Breeding related Activities/Practices	This service is available under http://ahdkerala.gov.in/ahead/	A web based application which will incorporate through http://ahdkerala.gov.in/ahead/ via web services to provide breeding related activities at the block level like number of breeding done in a day, number of calf's born , pregnancy etc
7.	Disaster Management	There is no Present application	Web Based guidelines and reporting system & Linkage with other concerning Department.
8.	Preparedness and Surveillance of Animal Diseases	The Service is under NADRS and http://ahdkerala.gov.in/ahead/ .	The Proposed web system will incorporate all the features of NADRS related to Disease Surveillance and Controls also will provide the information regarding preparedness of disease control.
9.	Artificial Insemination	The Service is under NADRS and http://ahdkerala.gov.in/ahead/	The Proposed web system will incorporate all the features of NADRS related to Artificial Insemination like times of insemination done, number of straws used etc.
10.	Insurance	This Service is available under NADRS	The Proposed web system will incorporate all the features of NADRS related to Livestock Insurance like name of the company, location etc.

11.	Disease Control	The Service is under NADRS and http://ahdkerala.gov.in/ahead/	The Proposed web system will incorporate all the features of NADRS related to Disease Controls.
12.	Veterinary Services at Farmer's door step	This service is available under NADRS application and also in http://ahdkerala.gov.in/ahead/ .	An online workflow based system which will incorporate NADRS via Web services to provide the farmers and common channels a medium to avail the veterinary services, and also make those services available at their door steps. Services like vaccination, castration, semen distribution etc.
13.	Grievances	This Service is available under NADRS application	An online system which will incorporate the present application Grievances modules through a web service, through which Grievances can be lodge.

14	Disease Diagnostic services		<p>detects inbreeding, tracks cattle ID, pedigree, pasture location, and tracks cattle movements</p> <p><u>Detailed Livestock Records</u></p> <ul style="list-style-type: none"> • Picture Pedigree • Inbreed Detection • Multiple pictures per animal • Record Income & Expenses • Profit & Loss Statement • Show Records • Create Maps • Feeding Plans • Gestation History • Multiple breeds • Breed Records • Due Date Report • ID Tracking • Multiple ID tags • Premises Farm ID • ID Manifest Report • Add Important Notes • Customizable Views & Filters • Customizable Search <p>Unlimited herd size</p> <ul style="list-style-type: none"> • Event Tracking per animal • Actions to Multiple Animals • Pedigree Editor • Herd Performance • Electronic ID Compatible (Allflex, IDology wand readers) • Animal Measurements • Animal Weights • Animal Body Score • Breeding Planner • Ranch Calendar & Journal • Sales Performance • Graphs & Reports • Monthly Data Archive • Historical data • Location History • Pasture location management • Getting Started PDF Manuals • "How Do I" Help screens
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1.6.3 Gap Analysis for Maharashtra

S. No	Services	Existing Systems	Proposed System
1.	Livestock Daily Health	This Service is available under NADRS application	The Proposed system will incorporate the NADRS through Web service for livestock related activities.
2.	Feed and Fodder Information	There is an application http://ah.adfmaharashtra.in/ to avail the information regarding feed and fodder availability, best practices and location also NADRS includes this service.	The proposed web application will provide the daily based fodder seed distributions via pulling data from NADRS application.
3.	Medicinal Help	This service is under available http://ah.adfmaharashtra.in	A web enabled application which will provide to automate the daily Medicinal Activities (like Availability of Vaccines, Location where Vaccines may be available etc).
4.	Expert Advisory Services	No Web application is available.	A well web based application to provide Expert Advisory on the Circumstances like (i) Normal, (ii) Drought, (iii) Flood (iv) Epidemic for the topics like Feed & Fodder, Livestock Management etc.
5.	Veterinary Services	This service is under NADRS application as well as in http://ah.adfmaharashtra.in/ .	A Web Based Application to provide a platform to achieve daily work along with the progress reports of related issues like Outbreak Reports, Veterinary services on the door steps, Vaccinated animals etc which will be achieved by NADRS application through web services.

6.	Breeding related Activities/Practices	Online reporting system for Breeding Related Activities is available http://ah.adfmaharashtra.in/ But no provision on Breeding Practices.	An online based system which will incorporate the present system from http://ah.adfmaharashtra.in/ through web service and also give the information for good practices for breeding management.
7.	Disaster Management	There is no Present application and information available for Disaster Management	Web Based guidelines and reporting system & Linkage with other concerning Department.
8.	Preparedness and Surveillance of Animal Diseases	The Service is under NADRS application and also work is done manually.	The Proposed web system will incorporate all the features of NADRS related to Disease Surveillance and Controls also will provide the information regarding preparedness of disease control.
9.	Artificial Insemination	This Service is available under NADRS application.	The Proposed web system will incorporate all the features of NADRS related to Artificial Insemination like pregnancy, No. of A.I. Done etc.
10.	Insurance	This Service is available under NADRS application.	The Proposed web system will incorporate all the features of NADRS related to Livestock Insurance.
11.	Livestock Disease Control	This Service is available under NADRS	The Proposed web system will incorporate all the features of NADRS related to Disease Controls.

12.	Veterinary Services at Farmer's door step	This Service is available under NADRS application	An online workflow based system which will incorporate NADRS via Web services to provide the farmers and common channels a medium to avail the veterinary services, and also make those services available at their door steps. Services like vaccination, castration, semen distribution etc.
13.	Grievances	There is an present application available http://ah.adfmaharashtra.in & also NADRS have the following service.	An online system which will incorporate the present application Grievances modules through a web service, through which Grievances can be lodge.

1.6.4 Gap Analysis for Himachal

S. No	Services	Existing Systems	Proposed System
1.	Livestock Daily Health	This Service is available under NADRS application	A Web Based Application which will pull data from NADRS application by using web services for Livestock Daily health activities (like Vaccination, Medication etc).
2.	Feed and Fodder Information	This Service is available under NADRS application.	A web based application which will allow to do day to day tasks and even it will submit progress reports related to Feed and Fodder(like Feed, seed & Fodder Distribution , Fodder development etc), the related activities will be done through NADRS application through web services

3.	Medicinal Help	Manual Work is available but no automation is currently available.	A web enabled application which will provide to automate the daily Medicinal Activities (like Availability of Vaccines, Location where Vaccines may be available etc).
4.	Expert Advisory Services	No current process is available, neither as Manual nor as Online.	A well web based application to provide Expert Advisory on the Circumstances like (i) Normal, (ii) Drought, (iii) Flood,(iv) Epidemic for the topics like Feed & Fodder, Livestock Management etc.
5.	Veterinary Services	This Service is available under NADRS application.	A Web Based Application to provide a platform which will access NADRS through web services to achieve daily work along with the progress reports of related issues like Outbreak Reports, Veterinary services on the door steps, Vaccinated animals etc.
6.	Breeding related Activities/Practices	Work is achieved manually.	A web based application to provide breeding related activities at the block level like number of breeding done in a day, number of calf's born , pregnancy etc
7.	Disaster Management	Work is achieved manually	Web Based guidelines and reporting system & Linkage with other concerning Department.
8.	Preparedness and Surveillance of Animal Diseases	Surveillance of animal disease is available under NADRS application but there is no system for preparedness of animal disease.	A web Based system which allow the Govt. official to give tips on the preparedness of animal disease and more over will also let them able to keep tracks on the livestock diseases(like how many cases registered etc) Disease surveillance is achieved through NADRS via web services.

9.	Artificial Insemination	This Service is available under NADRS application.	A Well Defined online based system to capture the day to day work related to artificial insemination like Breeding management, semen stations entries, etc by a web service which will pull the Required data from NADRS application.
10.	Livestock Insurance	This Service is available under NADRS application	A web based system which will provide the information related to livestock insurance like the name of the companies, Animal Insured, Claims Made, Fund Utilization etc via Web services From NADRS application.
11.	Livestock Disease Control	This Service is available under NADRS application	A web Based system which allow the Govt. official to keep track on diseases outbreak, affected livestock, Dead, Disease Wise Incidences etc through NADRS via Web Services.
12.	Veterinary Services at Farmer's door step	This Service is available under NADRS application.	An online workflow based system which will incorporate NADRS via Web services to provide the farmers and common channels a medium to avail the veterinary services, and also make those services available at their door steps. Services like vaccination, castration, semen distribution etc.

13.	Grievances	This Service is available under NADRS application	A online based system which will use NADRS application to give the farmer as well as Govt. official a privilege to lodge their Grievances, it also provide the status check feature to enable the user to the track the current status of his Grievances.
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1.6.5 Gap Analysis for Assam

S. No	Services	Existing Systems	Proposed System
1.	Livestock Daily Health	Information available in manual formats but NADRS Covers this service	An Online based system which will incorporate NADRS for Livestock Daily health activities through web services.
2.	Feed and Fodder Information	Information available in manual formats but NADRS Covers this service	A web based application which will allow to do day to day tasks and even it will submit progress reports related to Feed and Fodder(like Feed, seed & Fodder Distribution , Fodder development etc), the related activities will be done through NADRS application through web services
3.	Medicinal Help	Manual Work is available but no automation is currently available.	A web enabled application which will provide to automate the daily Medicinal Activities (like Availability of Vaccines, Location where Vaccines may be available etc).
4.	Expert Advisory Services	No Manual and Online based solution is present.	A well web based application to provide Expert Advisory on the Circumstances like (i) Normal, (ii) Drought, (iii) Flood,(iv) Epidemic for the topics like Feed & Fodder, Livestock Management etc.

5.	Veterinary Services	This service is available under NADRS	The Proposed online based system will incorporate the NADRS application through web service for veterinary services like vaccination, castration etc.
6.	Breeding related Activities/Practices	No present application or system is available.	A web based application to provide breeding related activities at the block level like number of breeding done in a day, number of calf's born , pregnancy etc
7.	Disaster Management	No present application or system is available	Web Based guidelines and reporting system & Linkage with other concerning Department.
8.	Preparedness and Surveillance of Animal Diseases	Surveillance of animal disease is available under NADRS application but there is no system for preparedness of animal disease.	A web Based system which allow the Govt. official to give tips on the preparedness of animal disease and more over will also let them able to keep tracks on the livestock diseases(like how many cases registered etc) Disease surveillance is achieved through NADRS via web services.
9.	Artificial Insemination	This service is available under NADRS	A Well Defined online based system to capture the day to day work related to artificial insemination like Breeding management, semen stations entries, etc by a web service which will pull the Required data from NADRS application.

10.	Livestock Insurance	This service is available under NADRS	A web based system which will provide the information related to livestock insurance like the name of the companies, Animal Insured, Claims Made, Fund Utilization etc via Web services From NADRS application.
11.	Livestock Disease Control	This service is available under NADRS	A web Based system which allow the Govt. official to keep track on diseases outbreak, affected livestock, Dead, Disease Wise Incidences etc through NADRS via Web Services.
12.	Veterinary Services at Farmer's door step	This service is available under NADRS	An online system which incorporate NADRS application for all the feed and fodder related activities will provide all the information regarding feed and fodder availability like location, GIS based location, variety of fodder seeds, Markets of seed etc.
13.	Grievances	This service is available under NADRS	A online based system which will use NADRS application to give the farmer as well as Govt. official a privilege to lodge their Grievances, it also provide the status check feature to enable the user to the track the current status of his Grievances.

1.6.6 Gap Analysis for Jharkhand

S. No	Services	Existing Systems	Proposed System
1.	Livestock Daily Health	This service is available under NADRS	An Online based system which will incorporate NADRS for Livestock Daily health activities through web services.
2.	Feed and fodder Information	This service is available under NADRS	A web based application which will allow to do day to day tasks and even it will submit progress reports related to Feed and Fodder(like Feed, seed & Fodder Distribution , Fodder development etc), the related activities will be done through NADRS application through web services
3.	Medicinal Help	Manual Work is available but no automation is currently available.	A web enabled application which will provide to automate the daily Medicinal Activities (like Availability of Vaccines, Location where Vaccines may be available etc).
4.	Expert Advisory Services	No present application or system is available	A well web based application to provide Expert Advisory on the Circumstances like (i) Normal, (ii) Drought, (iii) Flood,(iv) Epidemic for the topics like Feed & Fodder, Livestock Management etc.

5.	Veterinary Services	This service is available under NADRS	The Proposed online based system will incorporate the NADRS application through web service for veterinary services like vaccination, castration etc.
6.	Breeding related Activities/Practices	No present application or system is available.	A web based application to provide breeding related activities at the block level like number of breeding done in a day, number of calf's born , pregnancy etc
7.	Disaster Management	No present application or system is available	Web Based guidelines and reporting system & Linkage with other concerning Department.
8.	Preparedness and Surveillance of Animal Diseases	Surveillance of animal disease is available under NADRS application but there is no system for preparedness of animal disease.	A web Based system which allow the Govt. official to give tips on the preparedness of animal disease and more over will also let them able to keep tracks on the livestock diseases(like how many cases registered etc) Disease surveillance is achieved through NADRS via web services.
9.	Artificial Insemination	This service is available under NADRS	A Well Defined online based system to capture the day to day work related to artificial insemination like Breeding management, semen stations entries, etc by a web service which will pull the Required data from NADRS application.

10.	Livestock Insurance	This service is available under NADRS	A web based system which will provide the information related to livestock insurance like the name of the companies, Animal Insured, Claims Made, Fund Utilization etc via Web services From NADRS application.
11.	Livestock Disease Control	This service is available under NADRS	A web Based system which allow the Govt. official to keep track on diseases outbreak, affected livestock, Dead, Disease Wise Incidences etc through NADRS via Web Services.
12.	Veterinary Services at Farmer's door step	This service is available under NADRS	An online system which incorporate NADRS application for all the feed and fodder related activities will provide all the information regarding feed and fodder availability like location, GIS based location, variety of fodder seeds, Markets of seed etc.
13.	Grievances	This service is available under NADRS	A online based system which will use NADRS application to give the farmer as well as Govt. official a privilege to lodge their Grievances, it also provide the status check feature to enable the user to the track the current status of his Grievances.

1.6.7 Gap Analysis for Madhya Pradesh

S. No	Services	Existing Systems	Proposed System
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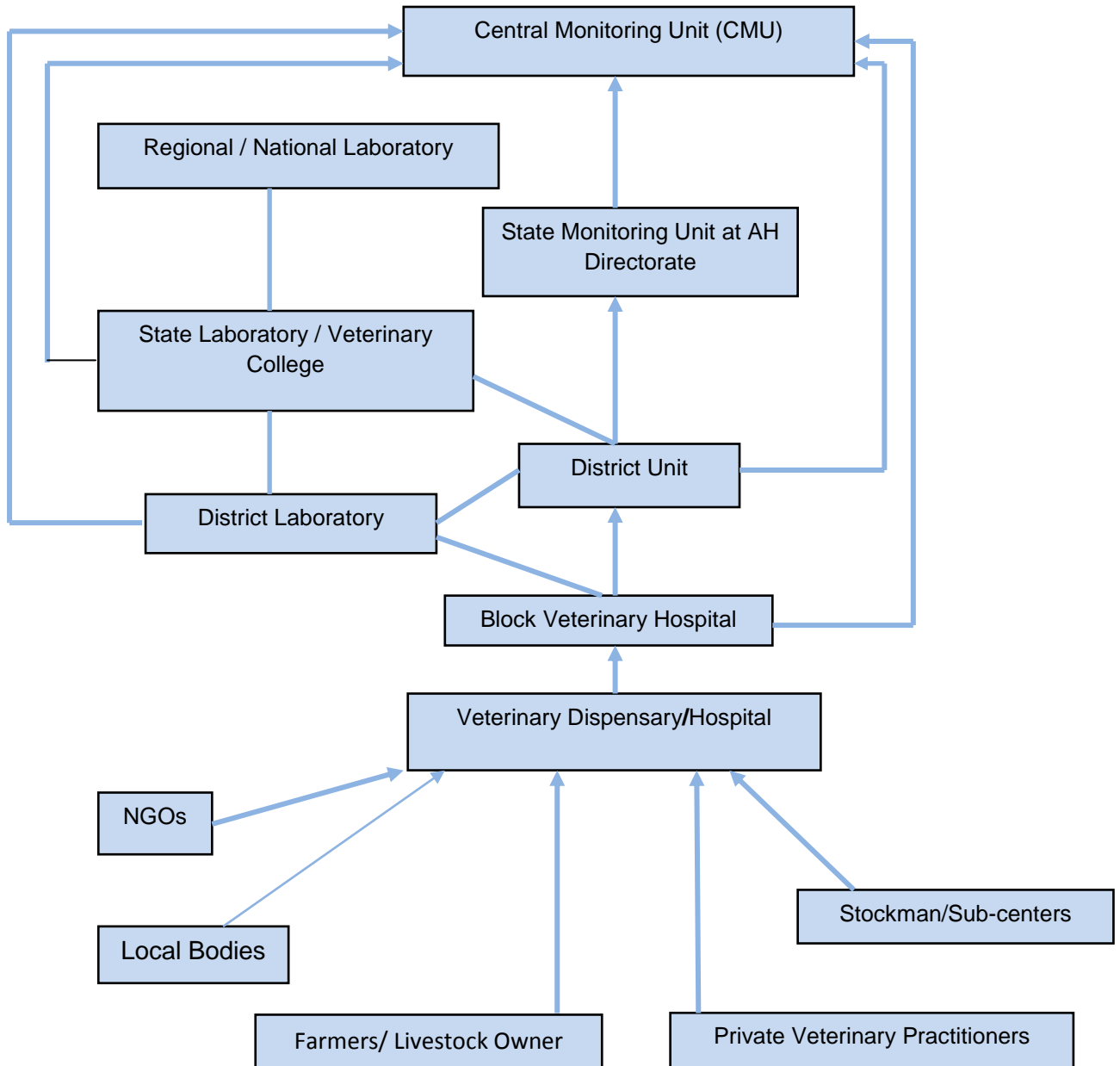
1.	Livestock Daily Health	This service is available under NADRS and also in http://www.mpdah.gov.in	An Online based system which will incorporate NADRS for Livestock Daily health activities through web services.
2.	Feed and Fodder Information	This service is available under NADRS and also in http://www.mpdah.gov.in	A web based application which will allow to do day to day tasks and even it will submit progress reports related to Feed and Fodder (like Feed, seed & Fodder Distribution, Fodder development etc), the related activities will be done through NADRS application through web services
3.	Medicinal Help	Related information to this service is available under http://www.mpdah.gov.in	A web enabled application which will provide to automate the daily Medicinal Activities (like Availability of Vaccines, Location where Vaccines may be available etc).
4.	Expert Advisory Services	No present application or system is available	The Proposed online based system will incorporate the NADRS application through web service for veterinary services like vaccination, castration etc.
5.	Veterinary Services	This service is available under NADRS and also in http://www.mpdah.gov.in	The Proposed online based system will incorporate the NADRS application through web service for veterinary services like vaccination, castration etc.

6.	Breeding related Activities/Practices	Topics related to this service are available under http://www.mplivestock.com/ .	A web based application to provide breeding related activities at the block level like number of breeding done in a day, number of calf's born , pregnancy etc
7.	Disaster Management	There is no working application available.	Web Based guidelines and reporting system & Linkage with other concerning Department.
8.	Preparedness and Surveillance of Animal Diseases	This Service is available under http://www.mpdah.gov.in	A web Based system which allow the Govt. official to give tips on the preparedness of animal disease and more over will also let them able to keep tracks on the livestock diseases(like how many cases registered etc) Disease surveillance is achieved through NADRS via web services.
9.	Artificial Insemination	This service is available under NADRS and also in http://www.mplivestock.com/ .	A Well Defined online based system to capture the day to day work related to artificial insemination like Breeding management, semen stations entries, etc by a web service which will pull the Required data from NADRS application.

10.	Livestock Insurance	This service is available under NADRS	A web based system which will provide the information related to livestock insurance like the name of the companies, Animal Insured, Claims Made, Fund Utilization etc via Web services From NADRS application.
11.	Livestock Disease Control	This service is available under NADRS and also in http://www.mpdah.gov.in	A web Based system which allow the Govt. official to keep track on diseases outbreak, affected livestock, Dead, Disease Wise Incidences etc through NADRS via Web Services.
12.	Veterinary services at Farmer's door step	This service is available under NADRS and also in http://www.mpdah.gov.in	An online system which incorporate NADRS application for all the feed and fodder related activities will provide all the information regarding feed and fodder availability like location, GIS based location, variety of fodder seeds, Markets of seed etc
13.	Grievances	This service is available under NADRS	A online based system which will use NADRS application to give the farmer as well as Govt. official a privilege to lodge their Grievances, it also provide the status check feature to enable the user to the track the current status of his Grievances.

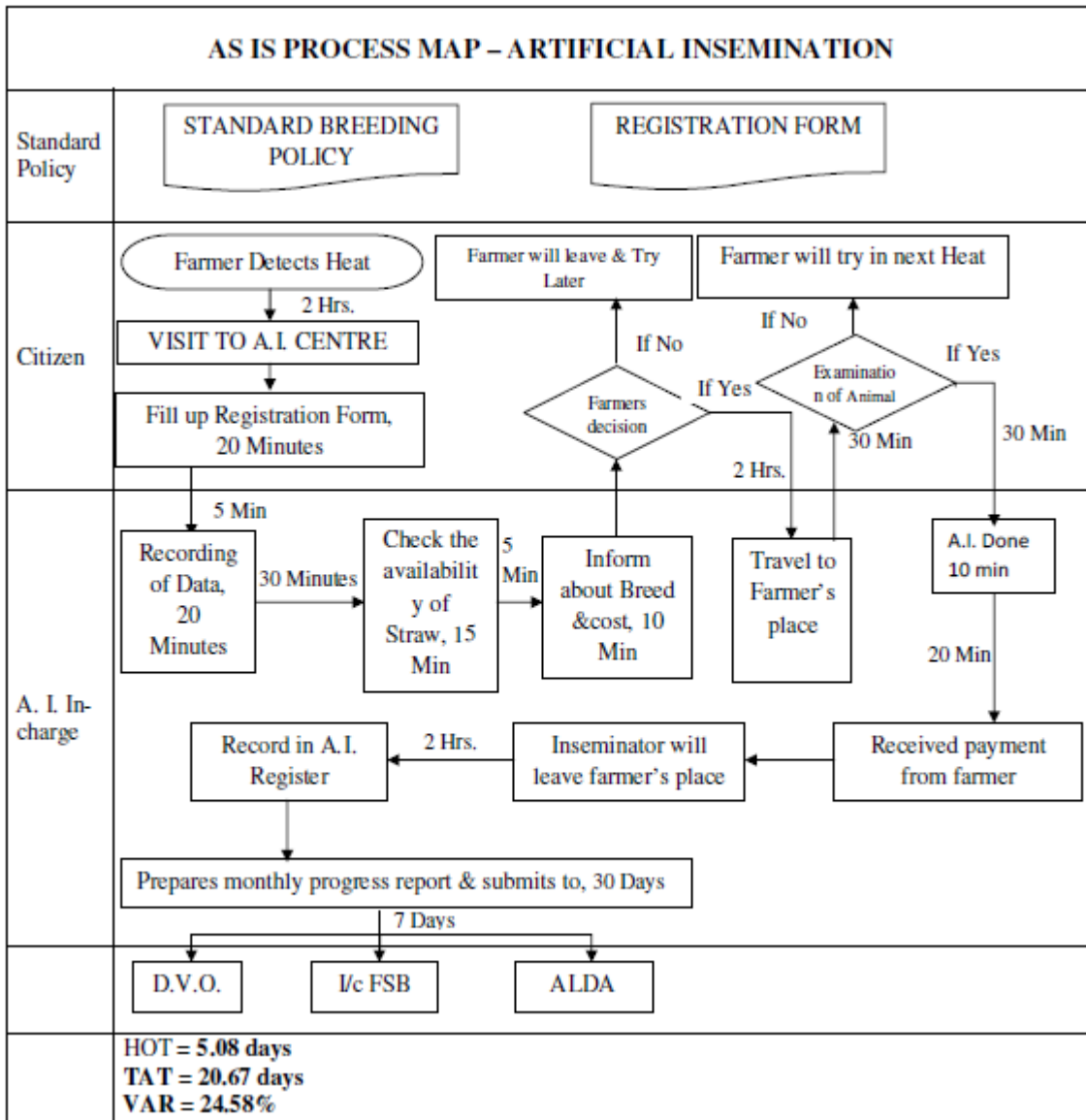
1.7 Work Flows Identified

1.7.1 Work Flow for the Veterinary Center, Castration, Vaccination and Case Treatment.

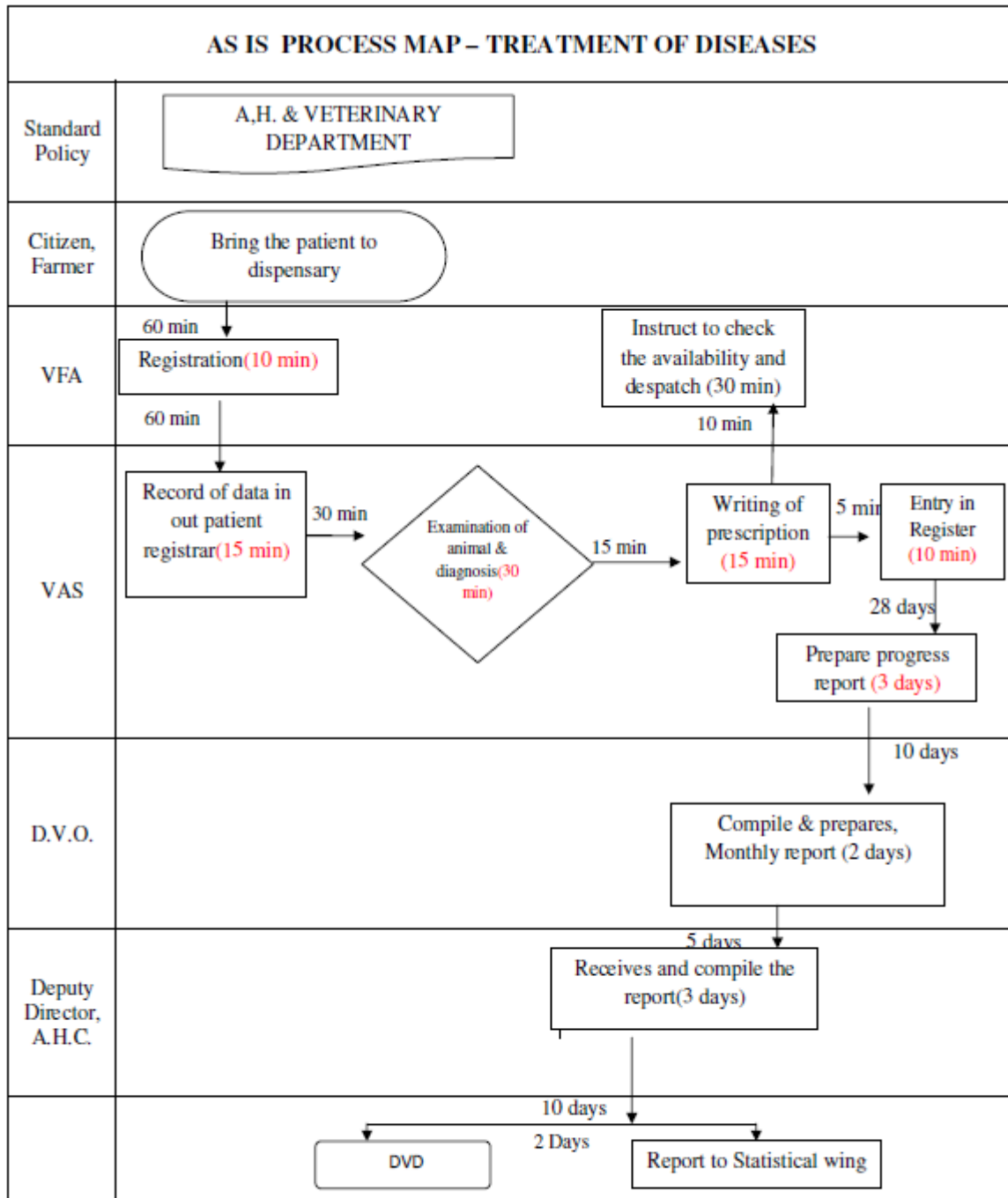


Note: - Assam State has Different Scenario State Veterinary Dispensaries /Block Veterinary Dispensary/ Artificial Insemination Center etc are present to work independently.

1.7.2 Work Flow for Artificial Insemination

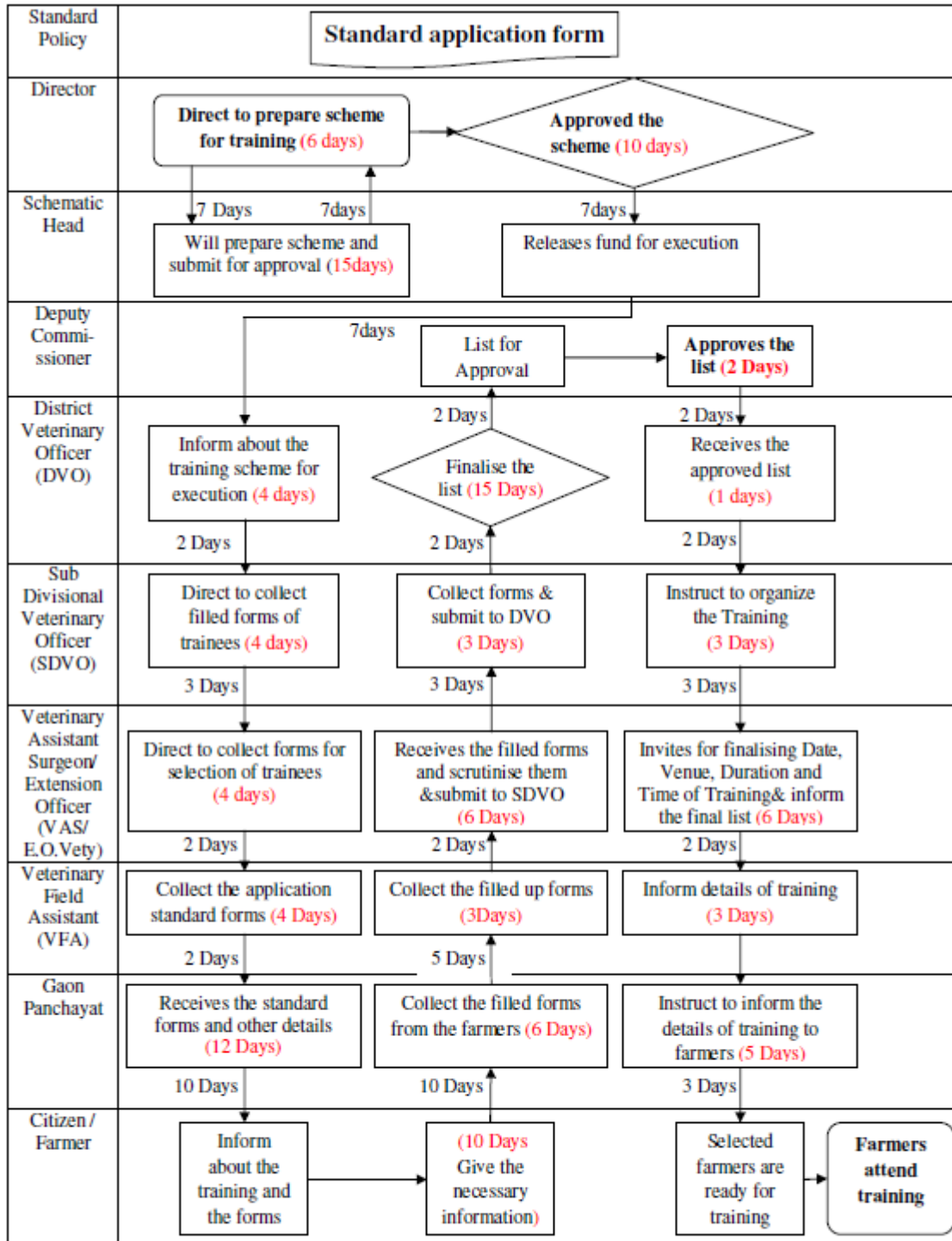


1.7.3 Work Flow for Treatment of Disease



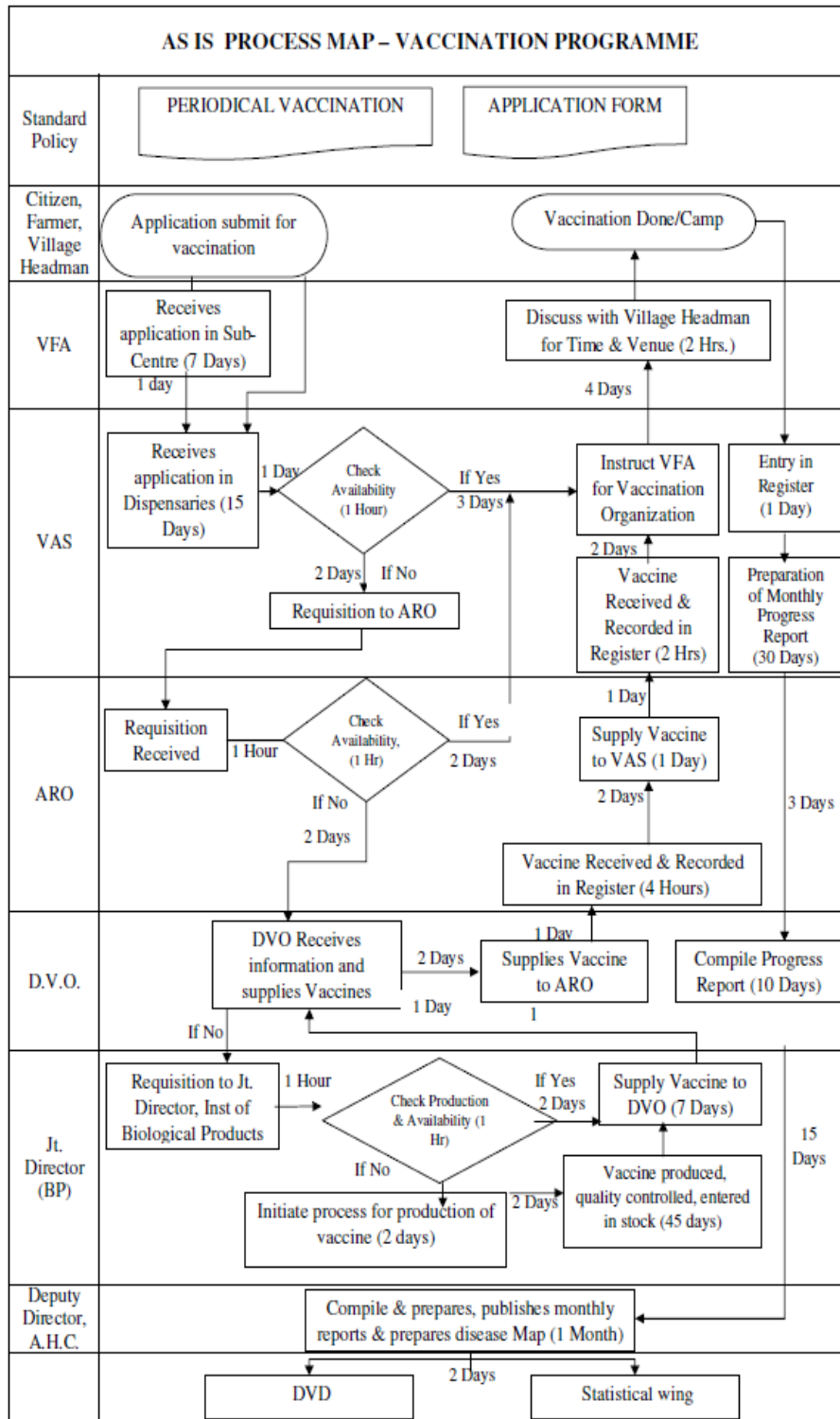
TURN AROUND TIME : 63.20 DAYS
 HANDS ON TIME : 8.08 DAYS
 VALUE ADDED RATIO : 12.78%

1.7.4 Training Program of Farmer s



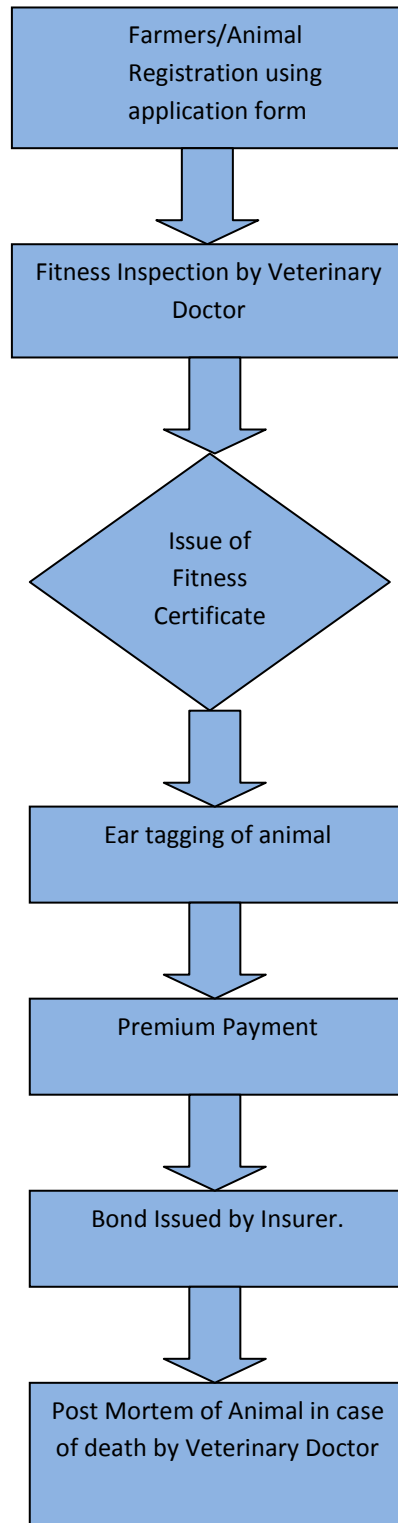
TURN AROUND TIME (TAT) : 211 DAYS
 HANDS ON TIME (HOT) : 125 DAYS
 VALUE ADDED RATIO (VAR) : $HOT/TAT \times 100\%$
 $= 125/211 \times 100\%$
 $= 59.24\%$

1.7.5 Vaccination Program



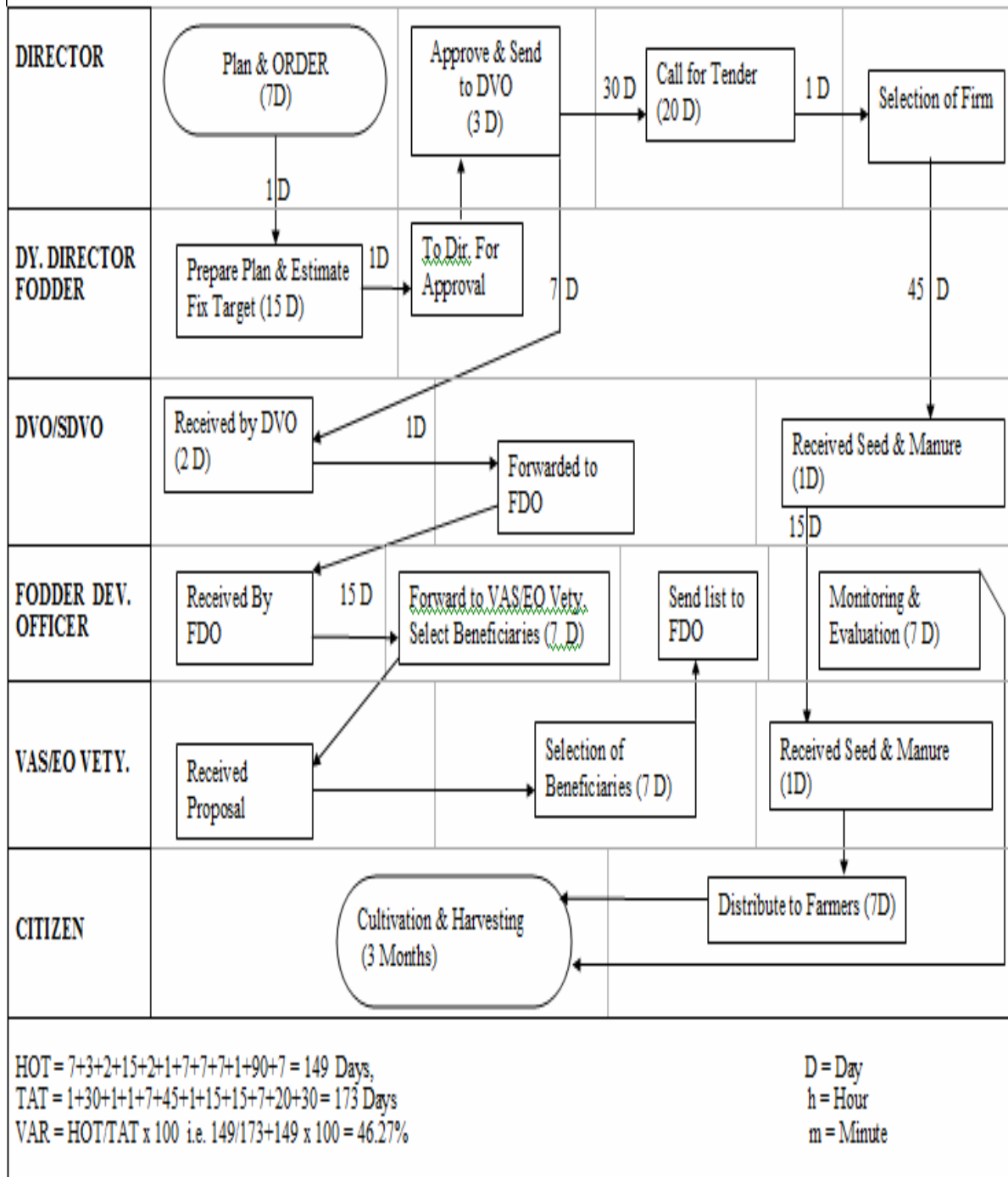
TURN AROUND TIME : 181.54 Days
 HANDS ON TIME : 148.46 Days
 VALUE ADDED RATIO : HOT/TAT X 100% = 81.78%

1.7.6 Work flow for Livestock Insurance

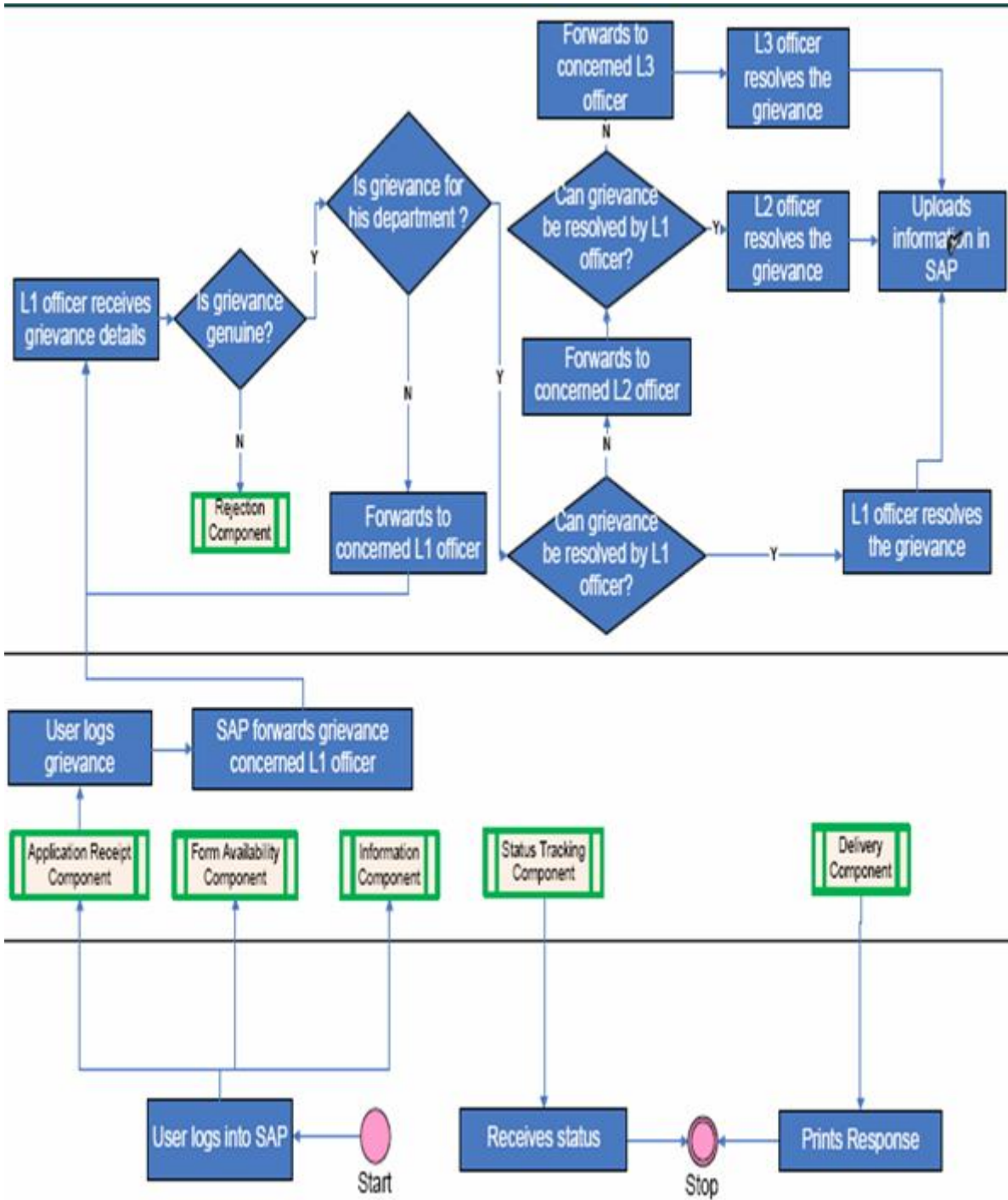


1.7.7 Work Flow for Feed and Fodder/Fodder Seed Distribution

STDs & POLICIES 1. PROCESS MAP OF SUB CLUSER FODDER SEED DISTRIBUTION AS IS PROCESS



1.7.8 Work Flow for Grievance Management



2. OVERALL DESCRIPTION

2.1 Product Perspective

The product will be used to automate the process of report monitoring the basic perspective is to build reliable, transparent and efficient information system on livestock management related activities, Expert Advisory services and feed and fodder management practices at the State level to provide information and services to livestock farmer. It will result into an effective and transparent monitoring system and will thus reduces the time required for data consolidation and reporting of Physical Amount at all levels .It will improve the government service delivery to a great extent and will also serve as an important source of relevant information.

Main Features:

- ✓ *Effective and Transparent report monitoring*
- ✓ *Improve Government service delivery*
- ✓ *Source of information*
- ✓ *Expert Advisory Services*

2.1.1 User Interfaces

The users will be provided interface for entering data and viewing Information. GUI (Graphic User Interface) will be provided to users for interaction with application, where screens will be designed with menu tabs/buttons for different kind of user access control in the system.

Expert Advisory can be done through SMS, Emails and from NeGP Service -12 Livestock Management Web portal. User can also use CSC, KVK, MVK, clinics / Agri Business Centres, Private kiosks, SUWIDHA Centre, Departmental Offices, Extension workers, State Agricultural Universities, Agricultural Colleges, Research Organisations, NGOs active in Agricultural Sector, SMS (pull/Push) on Mobile Phones, Email alerts, State Veterinary University, Government Touch screens, Interactive Voice Recognition System (IVRS), KCC, SCC, web based service, Mass media(TV, Radio, News Papers), Print Media (Pamphlets, Gazettes, Notifications etc.), Advertisement, Postal Services, Gram Panchayats, Dashboard / Digital Notice Board, Farmers Training Centres, Livestock Management Training Centers, ATIS to get the information, where the NADRS Software will further push the data in to disease reporting module in the Software.

Alerts can be received through emails, web based application interface and sms on mobile phones.

2.1.2 Hardware Interfaces

2.1.3 Software Interfaces

2.1.4 Memory Constraints

2.1.5 Operations

2.1.6 Site Adaptation Requirements

2.1.7 User Training

Initial user level training will be given by implementation agency to NIC officials along with the e-learning material, which will be used in Training programmers, which will be conducted by other agencies to create awareness about the system.

2.1.8 Communication Interfaces

2.2 User Characteristics

The users of the system are expected to be computer literates, who should be able to access and use the system through web based technology. They are also expected to be given a training of multiple levels to make them averse with the functionality of the applications.

The users of the system are also expected to know about how all the mediums like web portal, email, sms etc will relate to the web application. Awareness about usage of all the mediums will be provided to users.

2.3 Constraints

- Slow information transfer
- No single repository for information storage and generating reports
- Decreasing productivity
- Increased cost of production
- Food safety issues
- Constraints in feeding and management
- Increased labor cost
- Decreasing land availability
- Decreasing returns from Livestock farming
- Frequent outbreaks of diseases
- Market threat from nearby states
- Constraints in livestock products marketing
- Environmental issues
- Gaps in farmer knowledge
- How research derived information can be transformed in to farmer knowledge
- Sustained growth in demand of livestock products
- Lack of awareness: System of rearing, Economic benefits, Breeding policies, Shrinkage of grazing land, Human population inflation

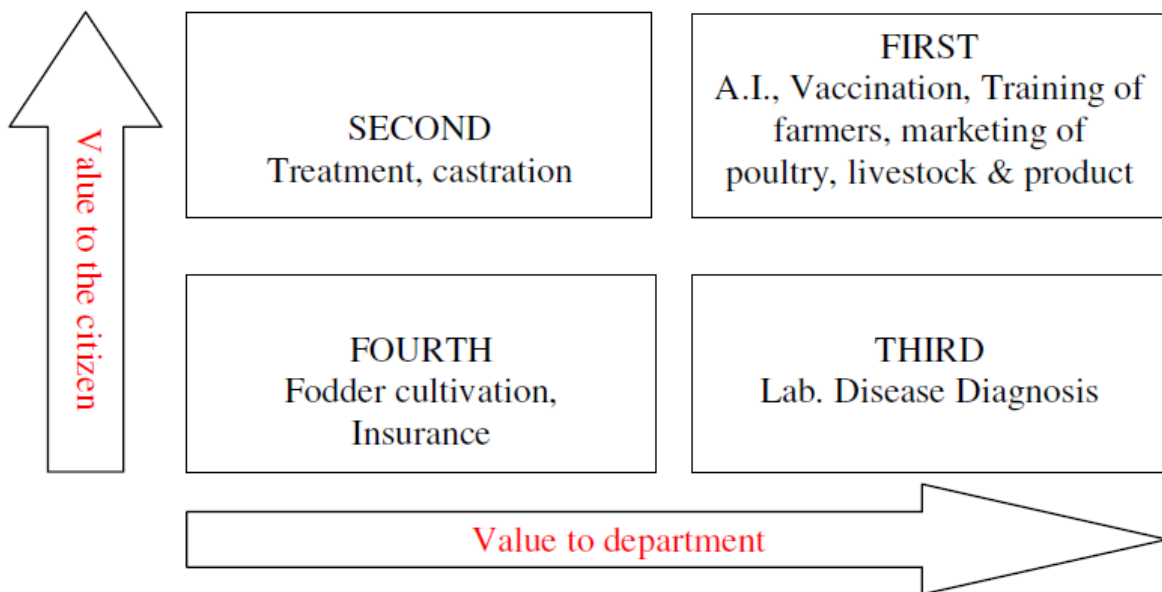
- Poor production performance
- Loss of indigenous genetic resources, local breeds
- Shrinkage of grasslands
- Disturbed grass land ecosystem
- Farmers have to heavily depend on the Vet officers for every information/advice as there is no alternate source.
- Vet Officers may not have up-to-date information which in turns affects the farmers.

2.4 Assumptions and Dependencies

- Availability of machines and required infrastructure at block level for entering information on daily disease reporting.
- Availability of machines and required infrastructure at District/State/Centre Govt. to view reports.
- Seamless integration with NADRS Application to pull output from the application.
- Availability of machines and required infrastructure with various stakeholders to view reports.
- Dependency on the portal for receiving information through web portal.
- User Must Be Computer Literate.
- Login for all internal users.

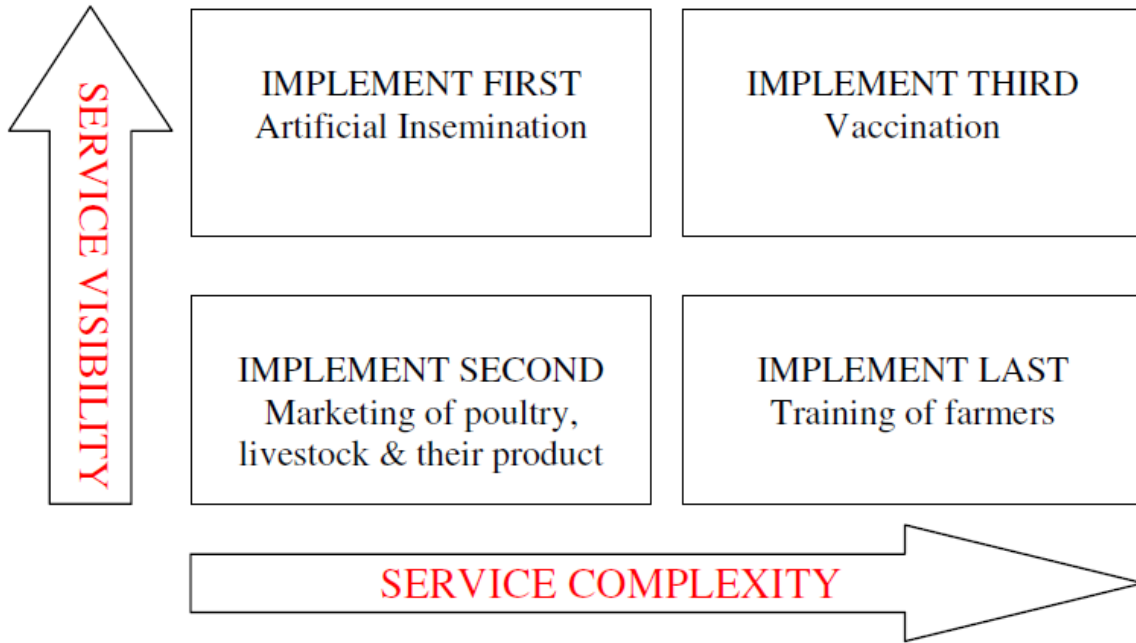
2.5 Prioritization Framework for all the Services

2.5.1 The Implementation of the high value Services though maximum value to the Department and Maximum value to the Farmer

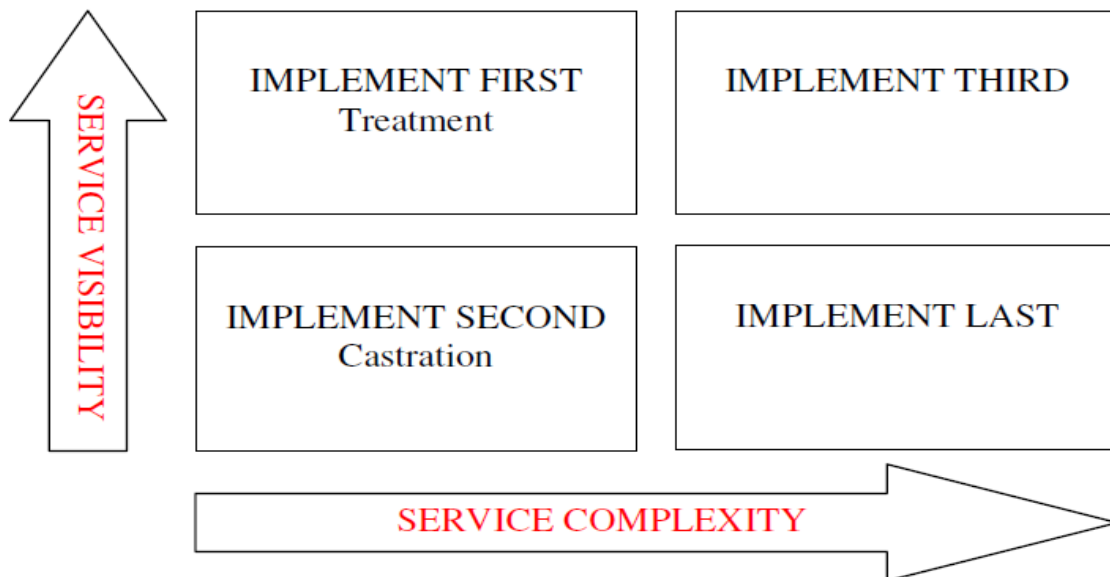


This Show the highly prioritized services which comes under Service-12 Livestock Management

2.5.2 Prioritization between Artificial Insemination, Marketing of Poultry, Livestock & their products, Vaccination, Training to the Farmer on the basis of Service Visibility and Service Complexity

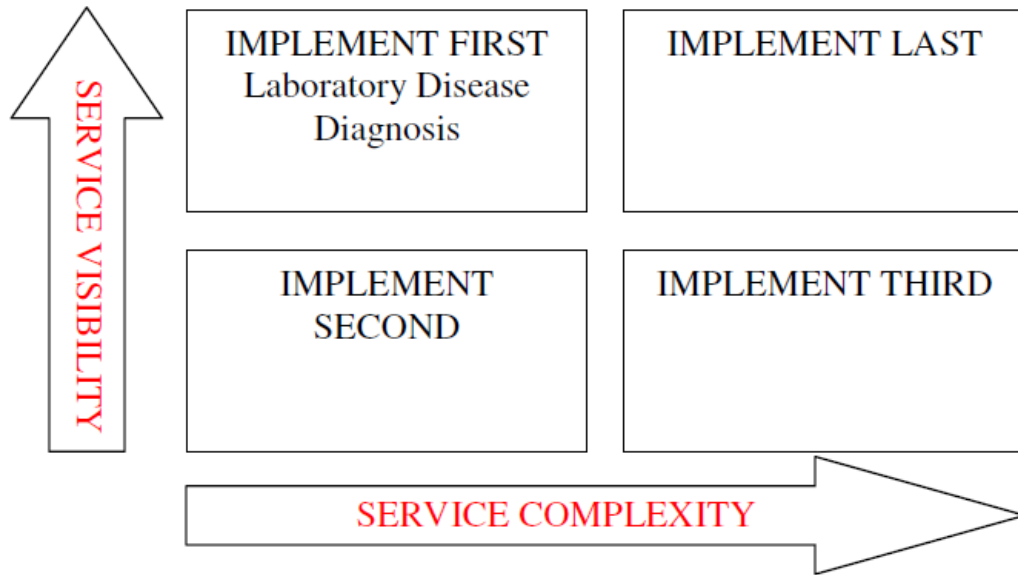


2.5.3 Service Prioritization for Treatment and Castration on the behalf of Service Visibility and Service Complexity



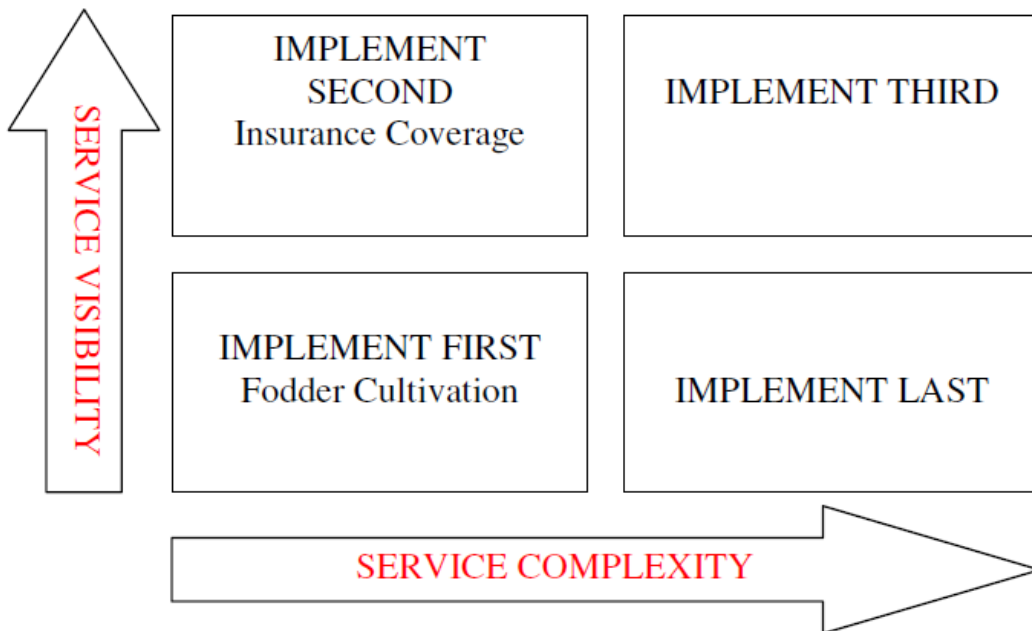
2.5.4 Service Prioritization for Laboratory Disease Diagnosis on the behalf of Service Visibility and Service Complexity

Laboratory Disease Diagnosis



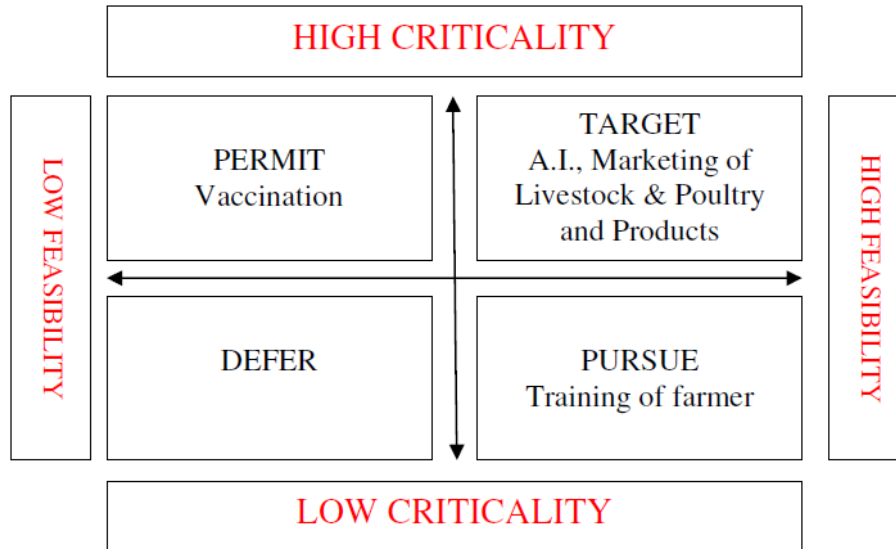
2.5.5 Service Prioritization on Insurance Coverage, Fodder Cultivation on the behalf of Service Visibility and Service Complexity

Insurance Coverage, Fodder Cultivation



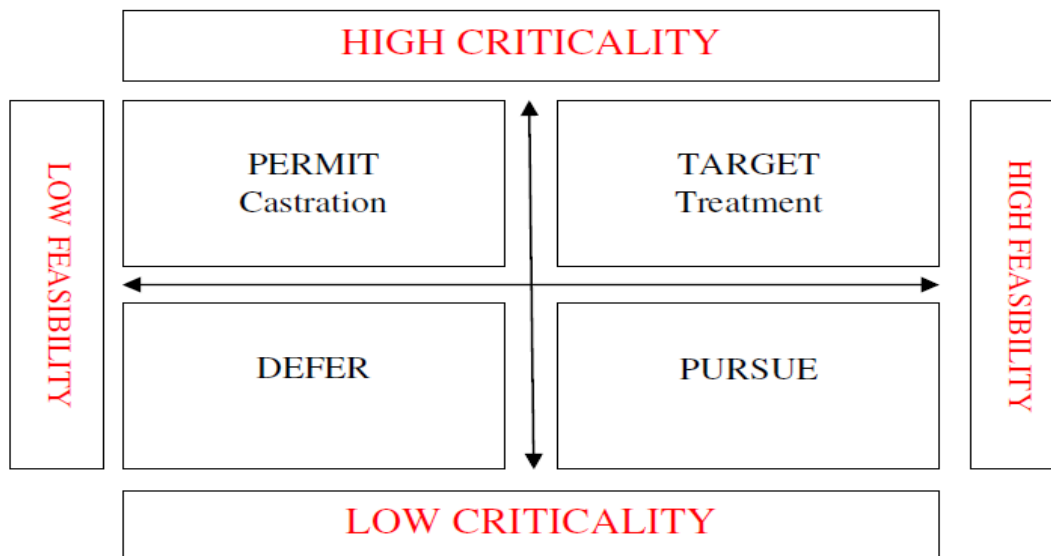
2.5.6 Service Prioritization for Artificial Insemination, Marketing of Poultry, Livestock & their Products, Vaccination on the behalf of High/Low Criticality and High/Low Feasibility

Artificial Insemination (A.I.), Marketing of poultry, livestock & their product, Vaccination, Training of farmers



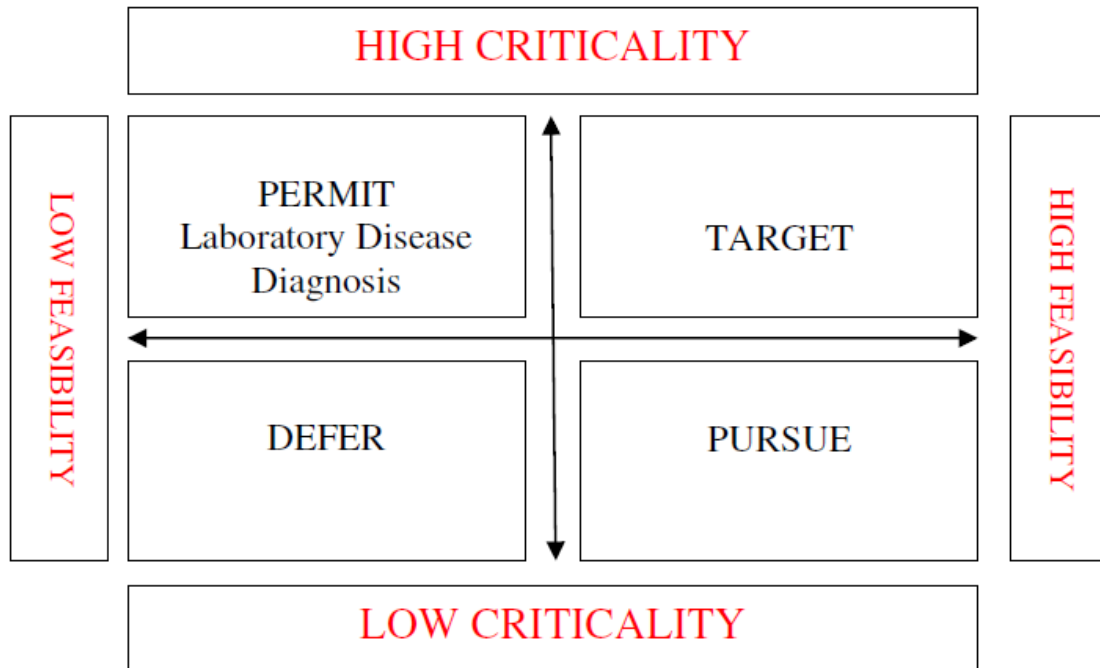
2.5.7 Service Prioritization for Treatment and Castration on the behalf of High/Low Criticality and High/Low Feasibility

Treatment, Castration

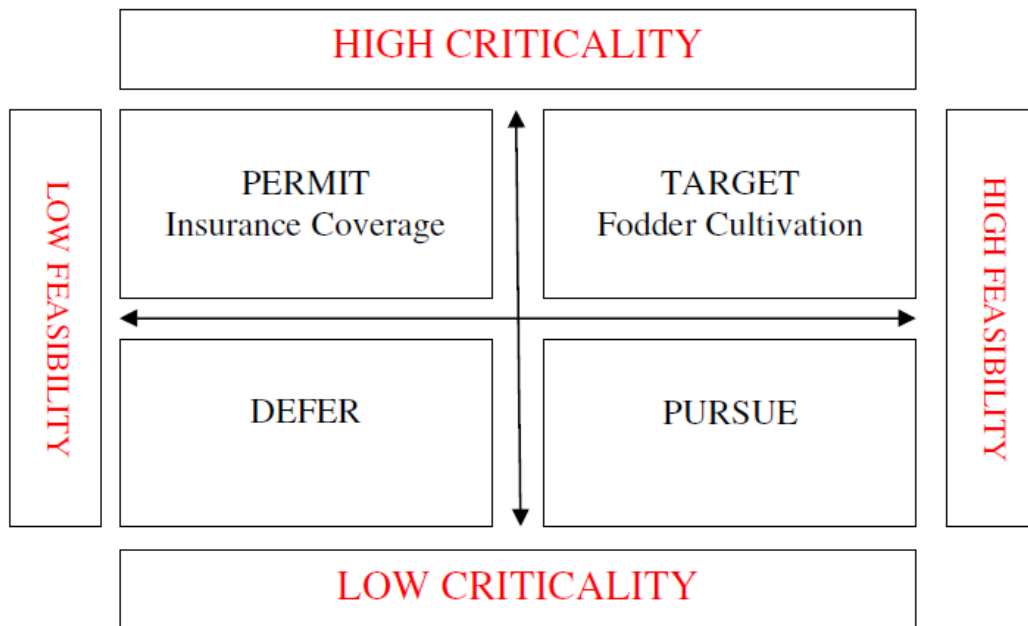


2.5.8 Service Prioritization for Laboratory Disease Diagnosis on the behalf of High/Low Criticality and High/Low Feasibility

Laboratory Disease Diagnosis



2.5.9 Service Prioritization for Insurance Coverage and Fodder Cultivation on the behalf of High/Low Criticality and High/Low Feasibility
Insurance Coverage, Fodder Cultivation



3. SPECIFIC REQUIREMENTS

3.1 Software Product Feature

3.1.1 Functional Requirement

<i>FEAT ID</i>	<i>Feature Description</i>
FEAT_ 1	This functionality gives the access to the main page of NeGP –A Service-12.
FEAT_ 2	This functionality enables the actor to view AI center reports and also provide the Drill Down Facility till the Block level
FEAT_ 3	This functionality enables the actor to Add & Update the Distribution and management of AI Services at block level
FEAT_ 4	This functionality enables the actor to view Performance of Semen Station and also provide the Drill Down Facility till the Block level.
FEAT_ 5	This functionality enables the actor to Add, Update and maintains the data at block level.
FEAT_ 6	This functionality enables the actor to View the lower level wise distribution of semen station report and also provide till the Drill Down facility
FEAT_ 7	This functionality enables the actor to View the Demand and availability of feed and fodder report and also Drill down facility till the block level.
FEAT_ 8	This functionality enables the actor to Manage Feed and Fodder at Block Level
FEAT_ 9	This functionality enables the actor to Managing Fodder seeds Distribution at Block Level.
FEAT_ 10	This functionality enables the actor to view View Avian Influenza outbreaks report and also provide the Drill down facility till the block level.
FEAT_ 11	This feature enables the actor to Manage Disease Surveillance and Control at Block Level
FEAT_ 12	This feature will enable the actor to Manage Daily Incidence Disease at block Level.
FEAT_ 13	This functionality enables the actor to Manage FIR (First Information Report) at block level.

FEAT_14	This functionality enables the actor to View Unstructured Reports sent by External Users at block level.
FEAT_15	This functionality enables the actor to Create a Structured Report under Disease Surveillance and Control
FEAT_16	This functionality enables the actor to View report for the Milk procured by DMS and it also provides drill down facility till the Block level..
FEAT_17	This functionality enables the actor manage Production and marketing service of milk & milk products at Block Level
FEAT_18	This functionality enables the actor to View the performance/capacity utilization report of DMS and also provides the drill down facility till the Block level.
FEAT_19	This feature enables the actor to View report for the Financial Outlay/ Expenditure details of DMS and also provides the drill down facility till Block level
FEAT_20	This functionality enables the actor to View the Production of major Livestock products report and it also provides the drill down facility till the block level.
FEAT_21	This functionality enables the actor to Manage Production of major Livestock products report at Block Level
FEAT_22	This functionality enables the actor to View the Veterinary institutes report and it also provides the drill down facility till the block level.
FEAT_23	This feature enables the actor to Manage Center (Camps) at Block Level
FEAT_24	This functionality enables the actor to View the Import Export of livestock products of AQCS stations report and it also provides the drill down facility till the block level.
FEAT_25	This functionality enables the actor to Maintain Import Export of livestock products at Block Level
FEAT_26	This functionality enables the actor to View the Species wise incidence of livestock diseases report and it also provide the drill down facility till the block level.
FEAT_27	This Functionality enables the actor to Add New Case Treatment in the Center at Block Level.

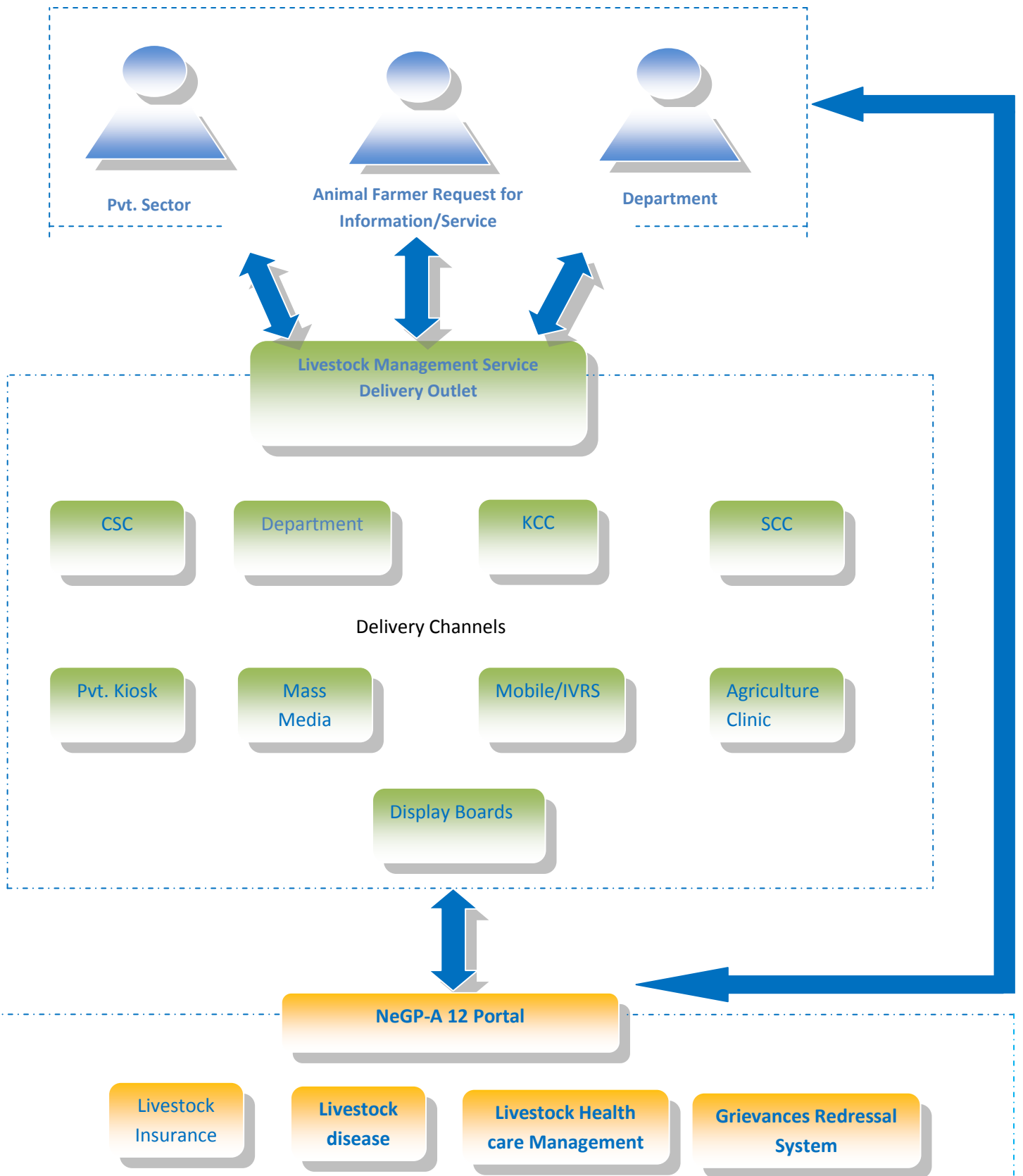
FEAT_28	This functionality enables the actor to Add New Vaccination done to a case treatment in the Centers at Block Level.
FEAT_29	This functionality enables the actor to View districts under the scheme “LIVE STOCK INSURANCE” report and it also provides the drill down facility till the block level.
FEAT_30	This functionality enables the actor to Manage Livestock and Poultry Insurance details at Block Level.
FEAT_31	This functionality enables the actor to Manage Stocks at Block level.
FEAT_32	This functionality enables the actor to View Stocks Report and it also provides the drill down facility till the block level.
FEAT_33	This functionality enables the actor to View Extension Services /Practices
FEAT_34	This functionality enables the actor to submit and track their grievances redresses
FEAT_35	This functionality enables the actor to authenticate to Register as an Expert Advisory.
FEAT_36	The Actor Seeks For Expert Advisory.
FEAT_37	This Feature Enables the actor to View Expert Advisory Query for Expert Advisor
FEAT_38	This feature enables the actor to answer the query sent for Expert Advisory.
FEAT_39	This feature enables the actor to View Expert Advisory Queries and their Answers Respectively.
FEAT_40	This Feature enables the actor to choose the Different Circumstances and view information and seek Expert Advisory as per his need.
FEAT_41	This functionality will provide information and Expert Advisory on Animal Diseases to the actor
FEAT_42	This functionality will provide the information and Expert Advisory On Superior breed of Livestock/Poultry to the actor
FEAT_43	This functionality will provide the information and Expert Advisory On Livestock Management Practices to the actor

FEAT_44	This functionality will provide information and Expert Advisory On Poultry management practices to the actor
FEAT_45	This functionality will provide information and Expert Advisory On Feeds, fodder, fodder seeds, cuttings and saplings to the actor
FEAT_46	This functionality will provide information and Expert Advisory On Centrally Sponsored Schemes to the actor
FEAT_47	This functionality will provide information and Expert Advisory On Zoonotic Diseases to the actor
FEAT_48	This functionality will provide information and Expert Advisory On Market & Marketing of Farm products to the actor
FEAT_49	This functionality will provide information and Expert Advisory On State Government Sponsored Schemes to the actor
FEAT_50	This functionality will provide Information and Expert Advisory on various Management Services /Practices to the actor
FEAT_51	This functionality will provide information and Expert Advisory on providing information On Feed and Fodder management activities Preparedness for drought
FEAT_52	This Functionality will provide information and Expert Advisory on Disaster Management Activities during Drought Circumstances.
FEAT_53	This Feature will be able to providing information and Expert Advisory On Availability of emergency veterinary services to the actor
FEAT_54	This functionality will provide information and Expert Advisory On Feed, fodder and medicines to the actor
FEAT_55	This functionality will provide information and Expert Advisory On Carcass disposal facilities to the actor
FEAT_56	This functionality will provide information and Expert Advisory On Rehabilitation of affected livestock to the actor
FEAT_57	This functionality will provide information and Expert Advisory On Available nearest sources of feed and fodder to the actor
FEAT_58	This functionality will provide information and Expert Advisory On Available sources of drinkable water to the actor

FEAT_59	This functionality will provide information and Expert Advisory On Available sources of succulent fodder and market prices to the actor
FEAT_60	This feature will provide information and Expert Advisory On Fodder to be fed to the livestock to the actor
FEAT_61	This feature will provide information and Expert Advisory on housing and sanitation system to the actor
FEAT_62	This feature will provide information and Expert Advisory on vaccination and medicament to the actor
FEAT_63	This Functionality will provide information and Expert Advisory on vaccination of livestock and birds to the actor
FEAT_64	This functionality will provide information and Expert Advisory on sources of feeds and fodder during flood circumstances to the actor
FEAT_65	This feature will provide information and Expert Advisory on locally available grass and fodder during flood circumstances to the actor
FEAT_66	This feature will provide information and Expert Advisory on treatment of water for drinking purpose to the actor
FEAT_67	This feature will provide information and Expert Advisory On sanitation during flood circumstances to the actor
FEAT_68	This feature will enable the actor to update system with information on various modules
FEAT_69	This feature enables the actor to Availing veterinary services in Epidemic Circumstances.
FEAT_70	This Feature enables the actor to have Information and Expert Advisory on Food Safety
FEAT_71	This Feature enables the actor to have Information and Expert Advisory on Environmental Hazards
FEAT_72	Managing Stocks at Block Level
FEAT_73	This feature enables the actor to view the information and to get the Expert Advisory on.
FEAT_74	This feature enables the actor and has Expert Advisory on list of cattle shows which being organized by government.

FEAT_75	This feature enables the actor to view the success stories sites shared by other famers
FEAT_76	This Activity enables the actor to manage the Training of farmers elated to Livestock and fodder related activities.
FEAT_77	This activity enables the actor to view the reports on the training related activities all over India (year wise)
FEAT_78	This Feature provides the Facility to the actor for Meteorological Information and Expert Advisory through automatic updates and alerts on the Emails, SMS, and Website.
FEAT_79	This Enables the Actor these programs can be used to counter contagious Problems and also gives information
FEAT_80	This Enables the Actor these programs can be used to obtain the information related to the slaughter houses
FEAT_81	This Enables the Actor to view the all the farmers which has been registered
FEAT_82	This Enables the Actor to perform Registration
FEAT_83	This Enables the Actor to Register Domesticated Animals and Pet Animals

3.1.1 Graphical Description of Proposed System



Livestock Production & Development

Expert Advisory System

Livestock feed and fodder Development

Livestock Breeding and Artificial Insemination

Livestock Infrastructure

Livestock Management Training for Block/District Veterinary Officers



Livestock Databases

Poultry Development

Livestock Infrastructure

Feed and Fodder Development

Animal Health & Disease

Piggery Development

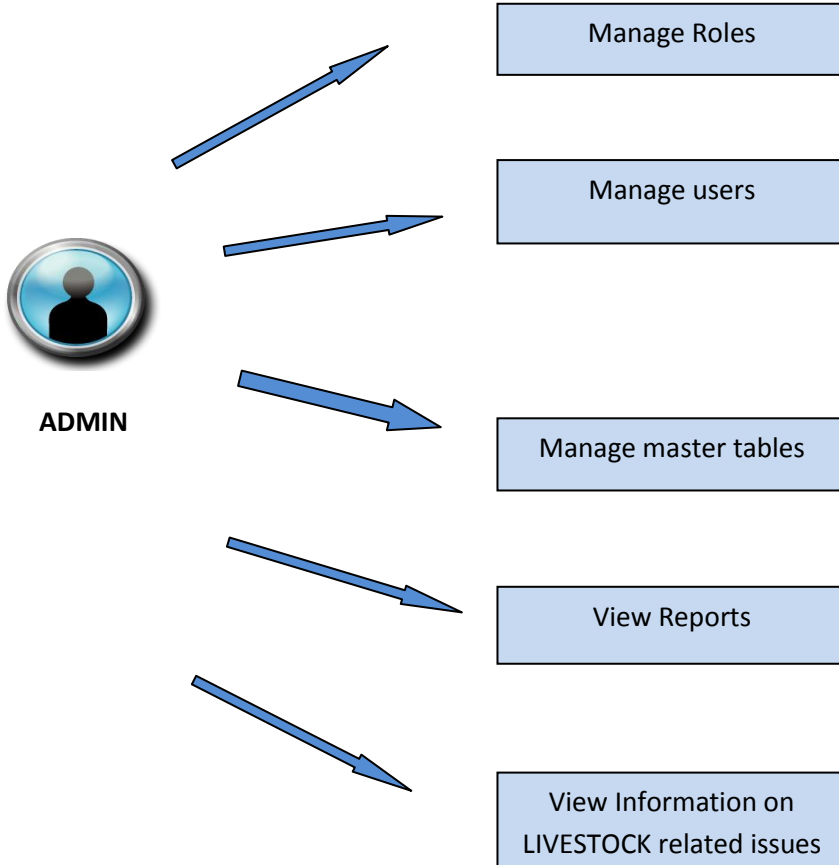
Sheep & Goat Development

Cattle & Buffalo Development

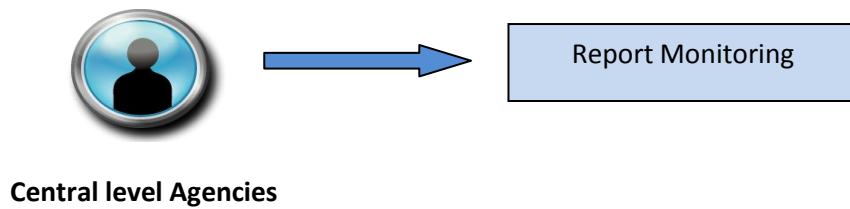
Livestock Insurance

3.1.2 Actors

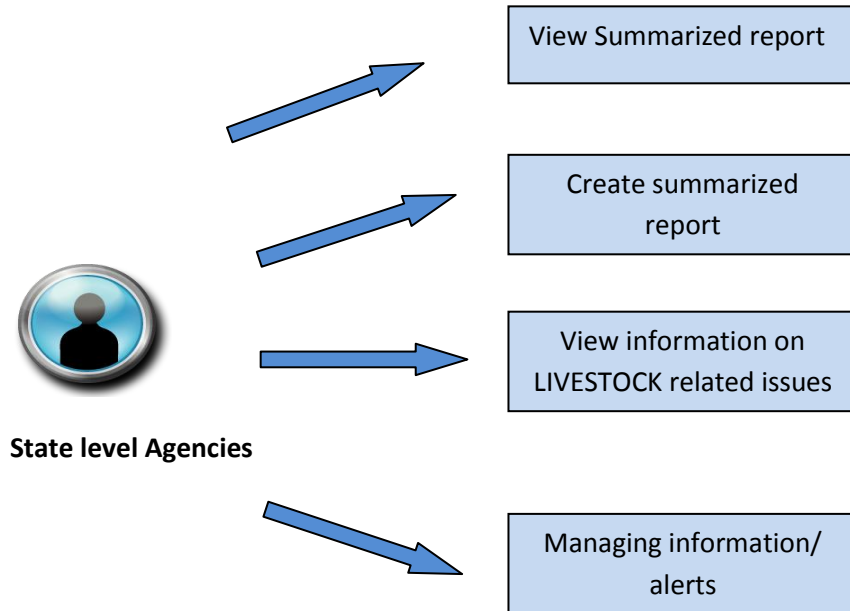
3.1.2.1 Admin



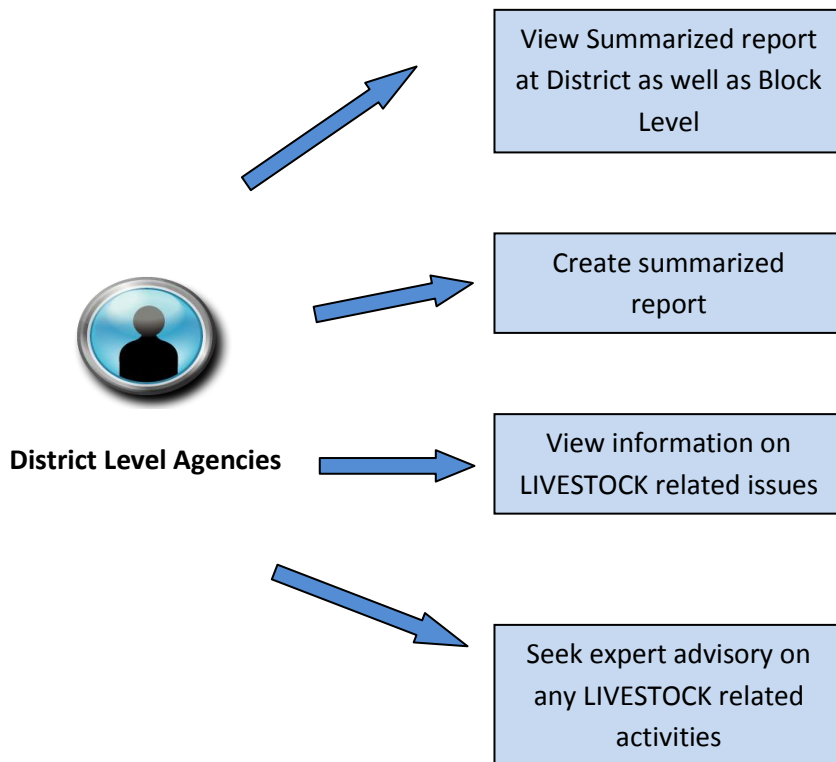
3.1.2.2 Central level Agencies



3.1.2.3 State level Agencies



3.1.2.4 District Level Agencies



3.1.2.5 Block Level Govt. Agencies & Block Level Non govt.

Agencies



View Summarized report

Create Detailed Report

View information on Livestock Related issues

Block Level Govt. Agencies

Seek expert advisory on any Livestock related activities

Avail information on Government services



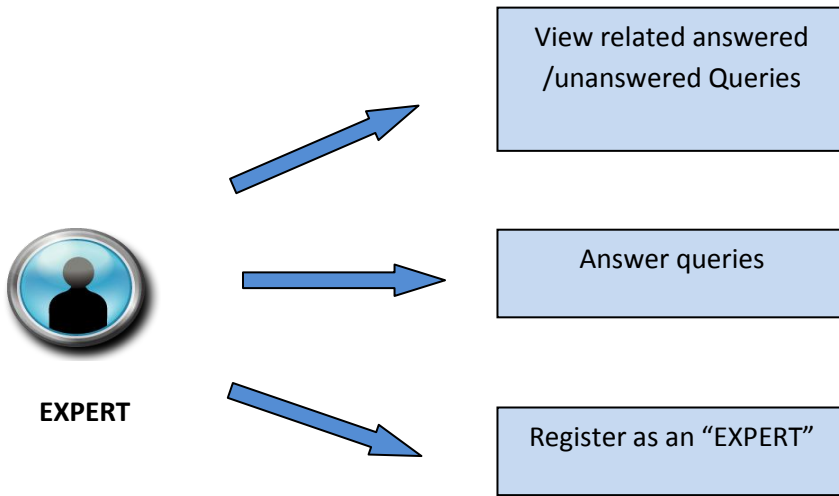
Block Level Non govt. Agencies

View Summarized report

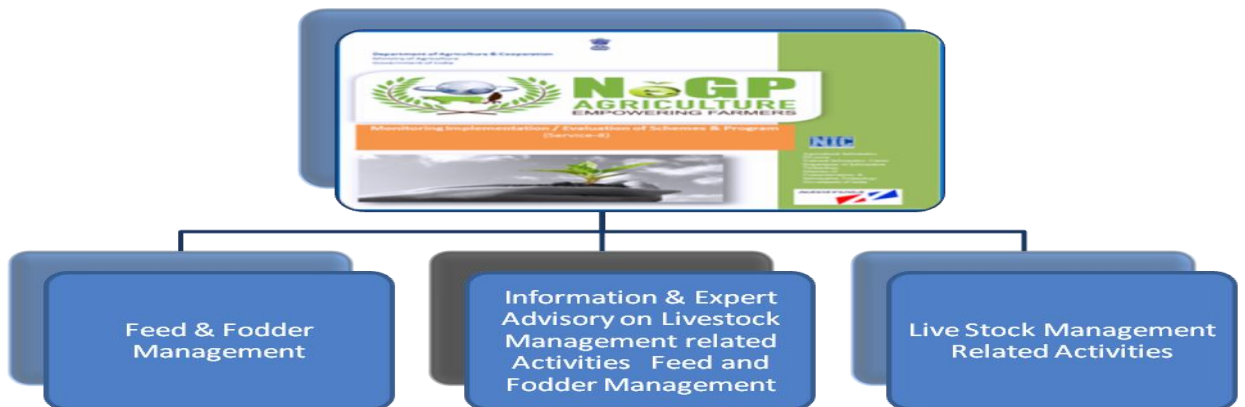
Seek expert advisory on any LIVESTOCK related Issues

View information on LIVESTOCK related issues

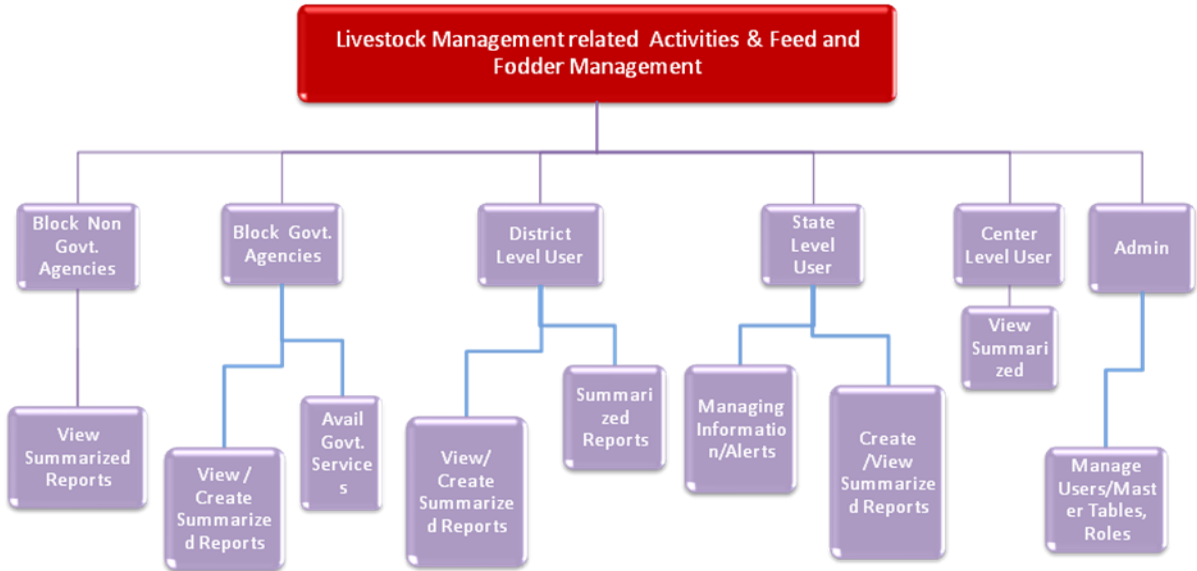
3.1.2.6 EXPERT



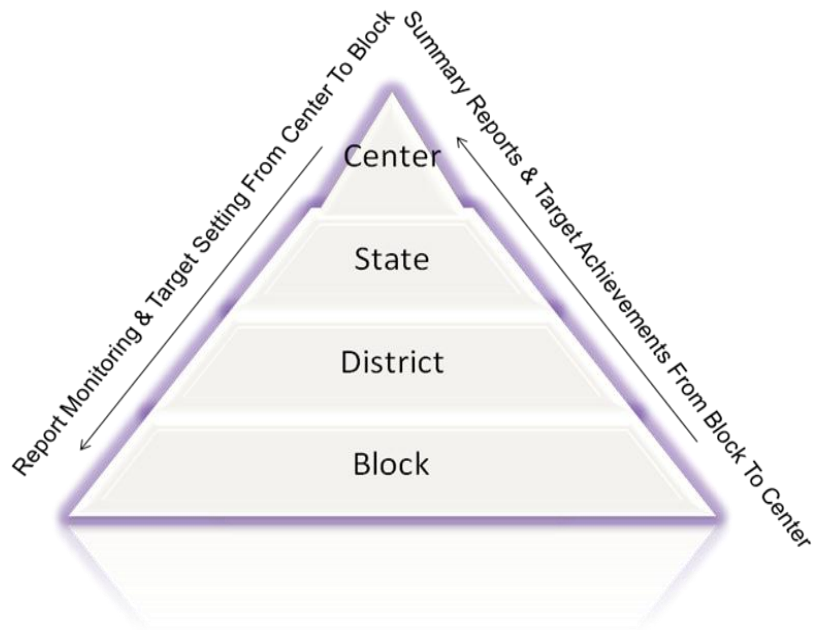
3.2 Scope



Active Users

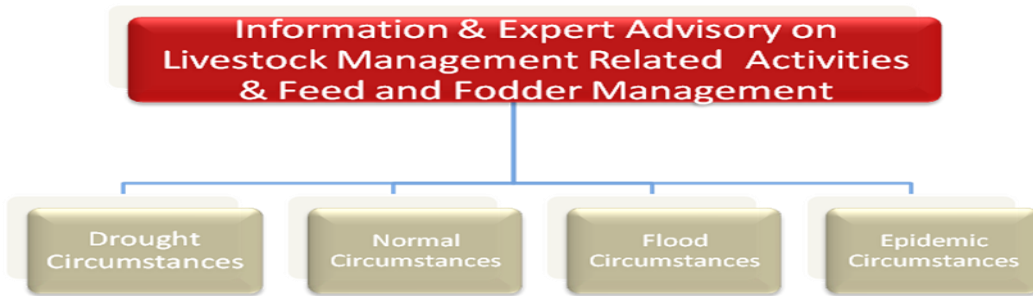


Information Flow



3.2.3

Components

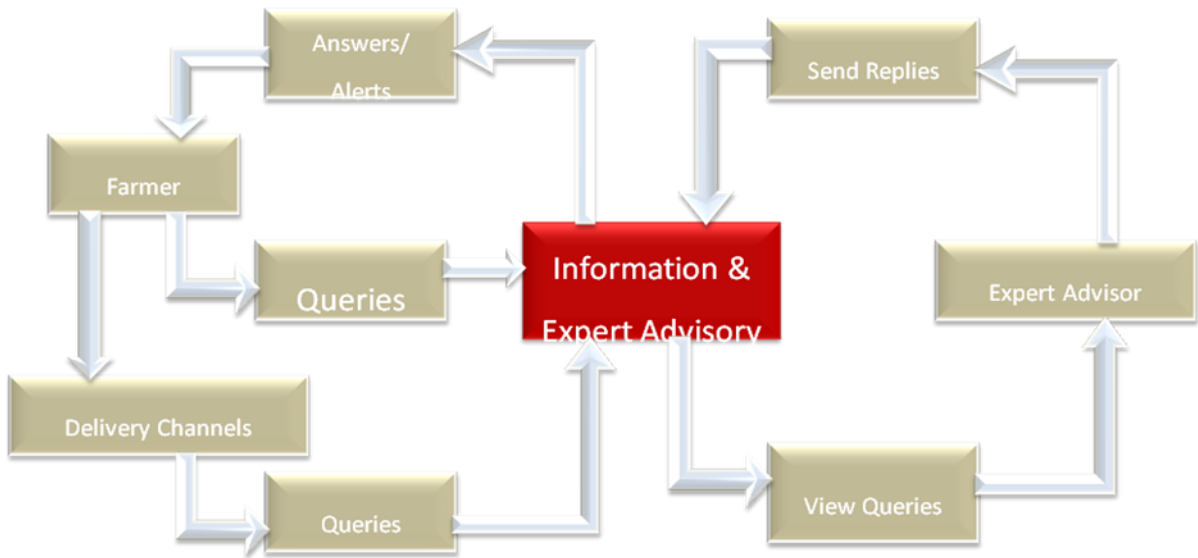


3.2.4

Interface



Workflow

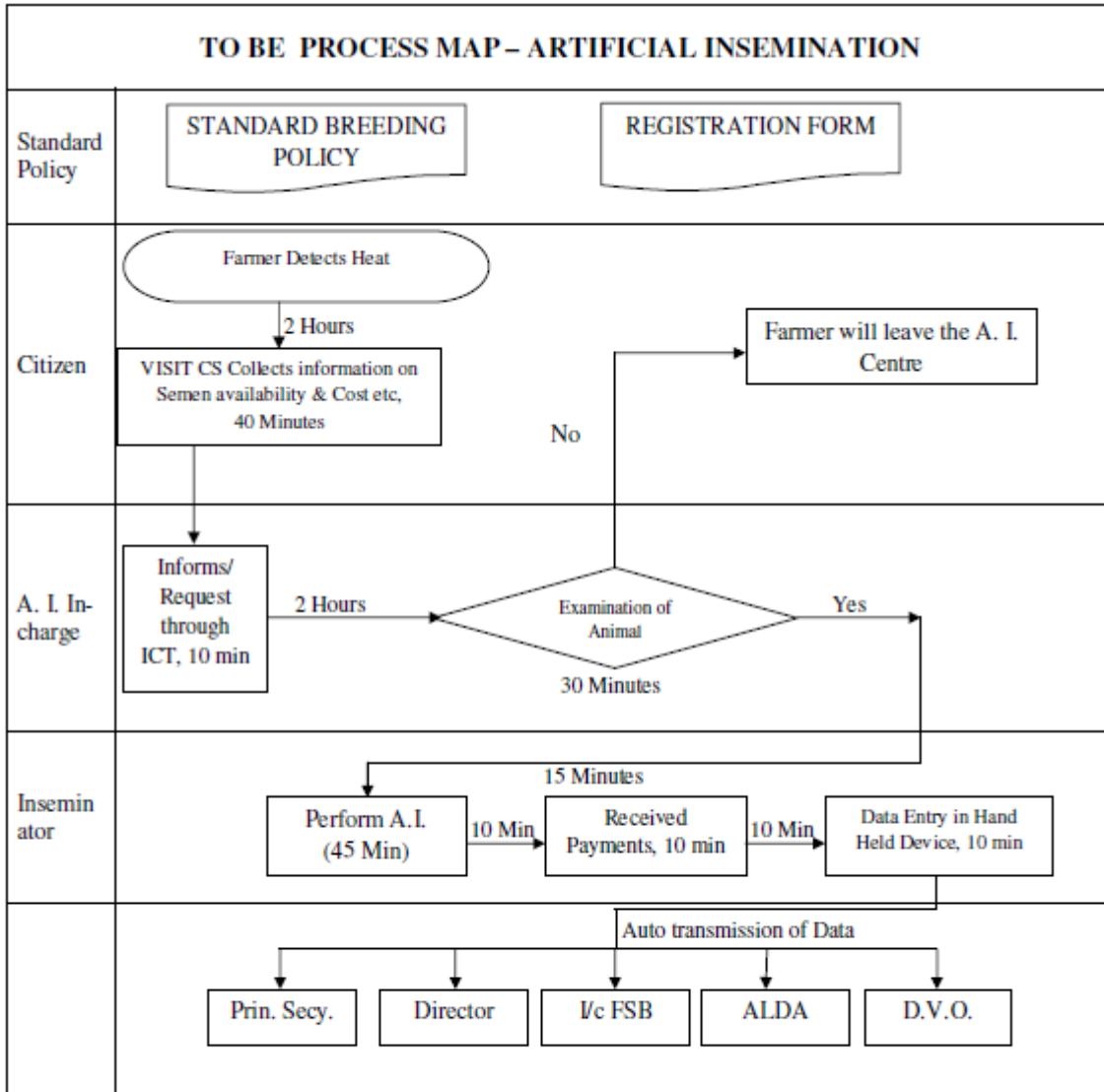


Features at farmer's end



3.3 Some of the To Be Process with the Time Constraints

3.3.1 To Be Process for the Artificial Insemination with the Time Constraint which will be achieved by Automatic Triggers

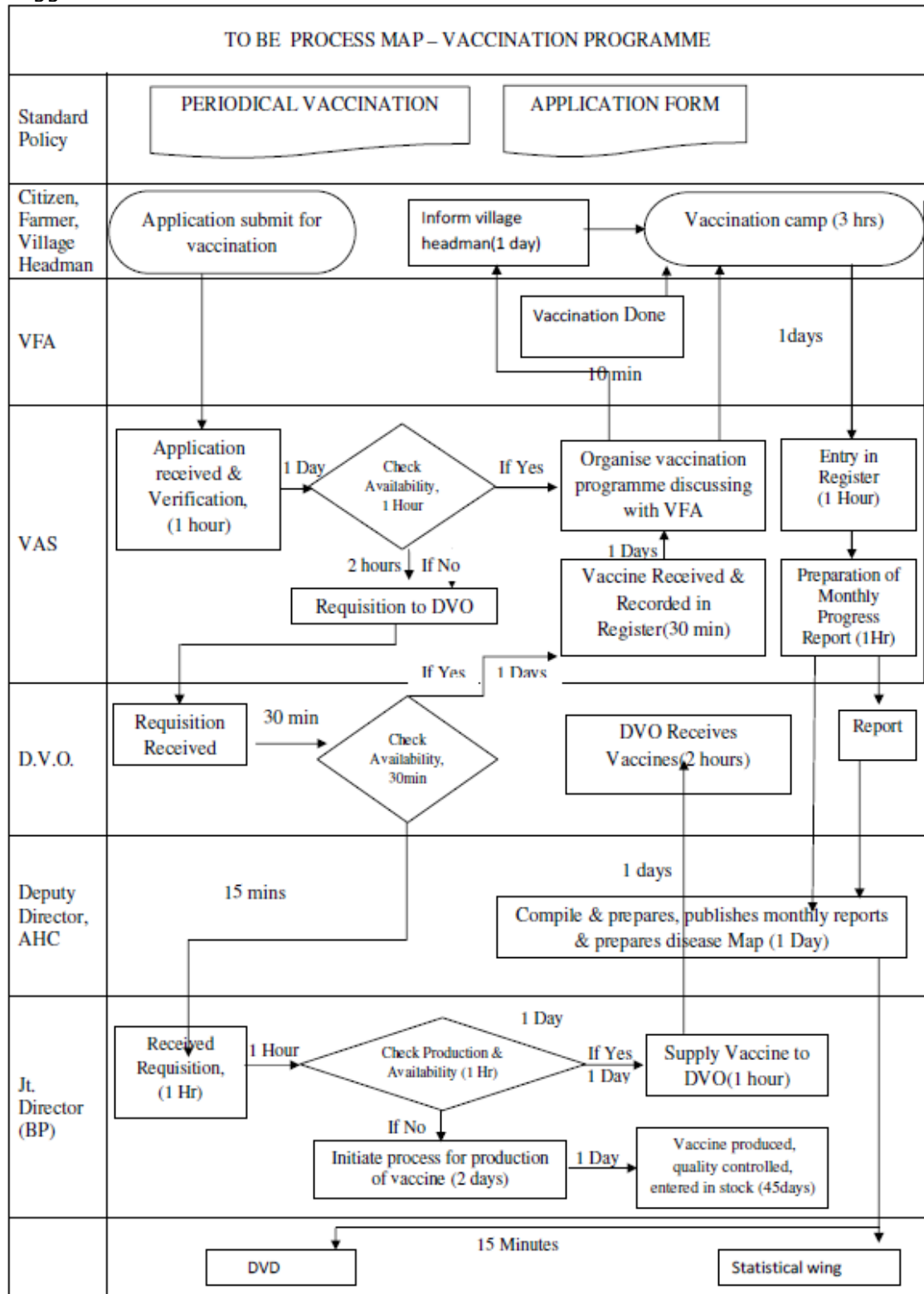


HOT= 145 MIN

TAT= 400 MIN

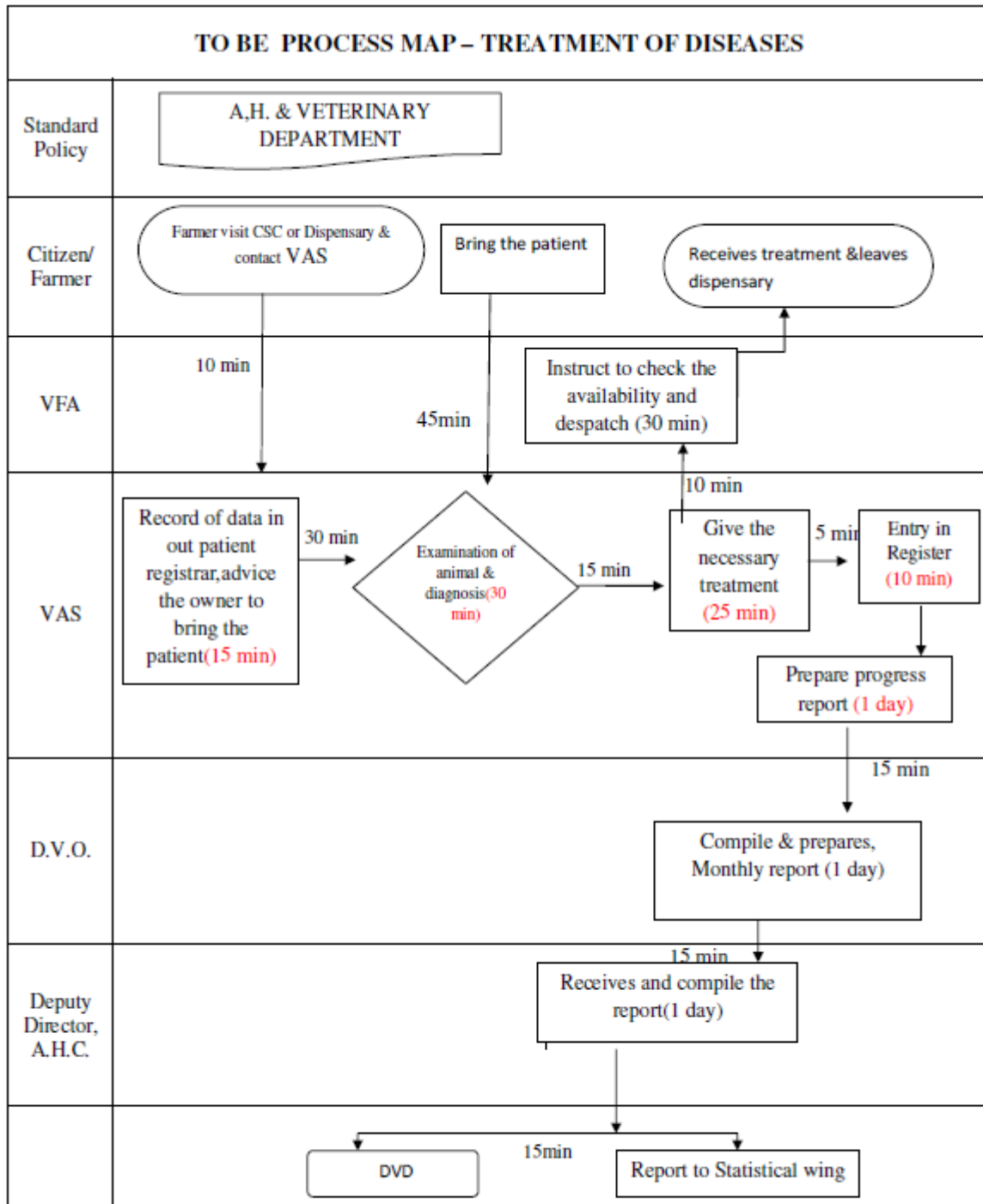
VAR= 36.25 %

3.3.2 To Be Process for the Vaccination Program with the Time Constraint which will be achieved by Automatic Triggers



TURN AROUND TIME : 57.73days
 HANDS ON TIME : 49.54days
 VALUE ADDED RATIO : 85.81%

3.3.3 To Be Process for the Treatment of Disease with the Time Constraint which will be achieved by Automatic Triggers

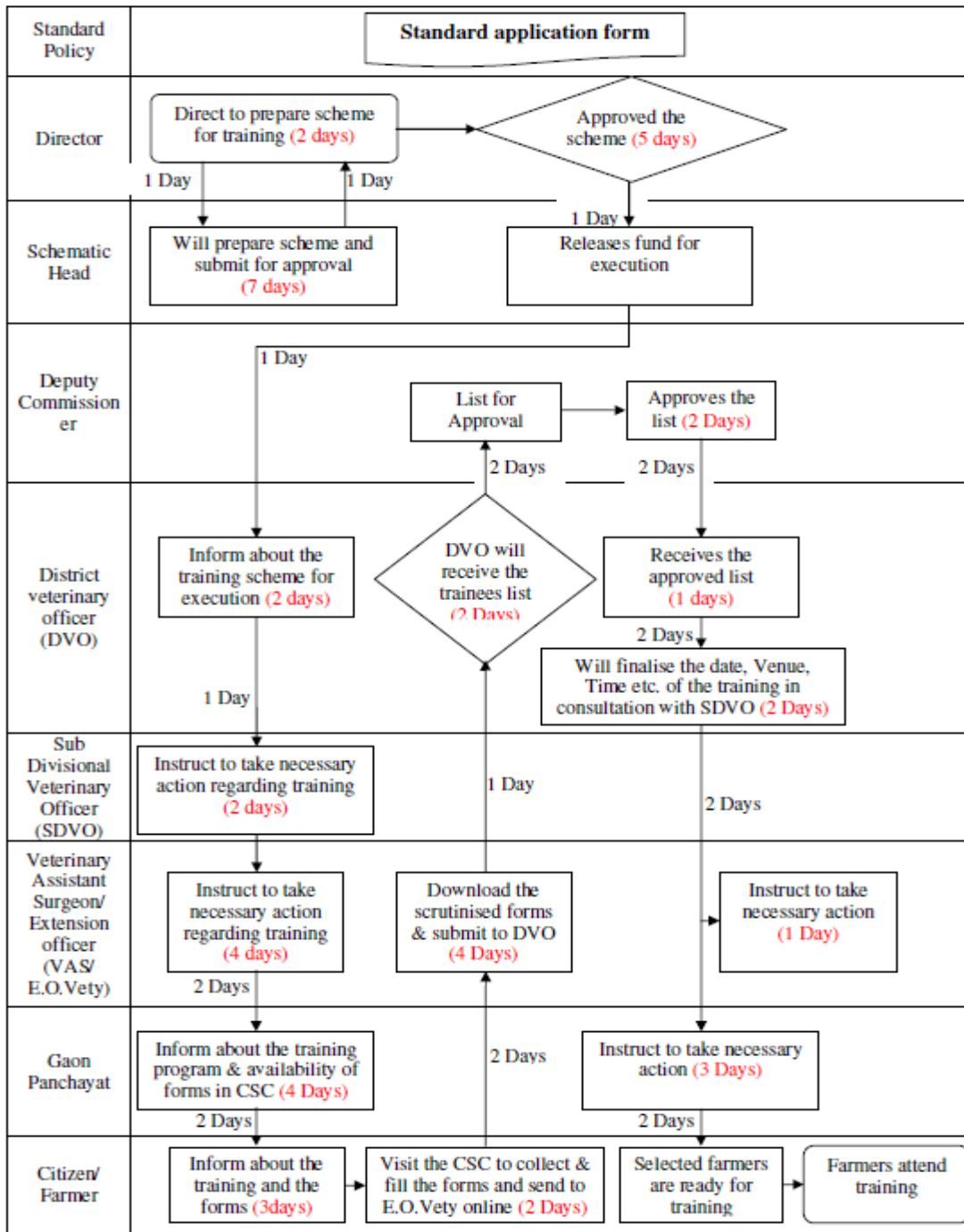


TURN AROUND TIME : 76.25 hours

HANDS ON TIME : 73.83 hours

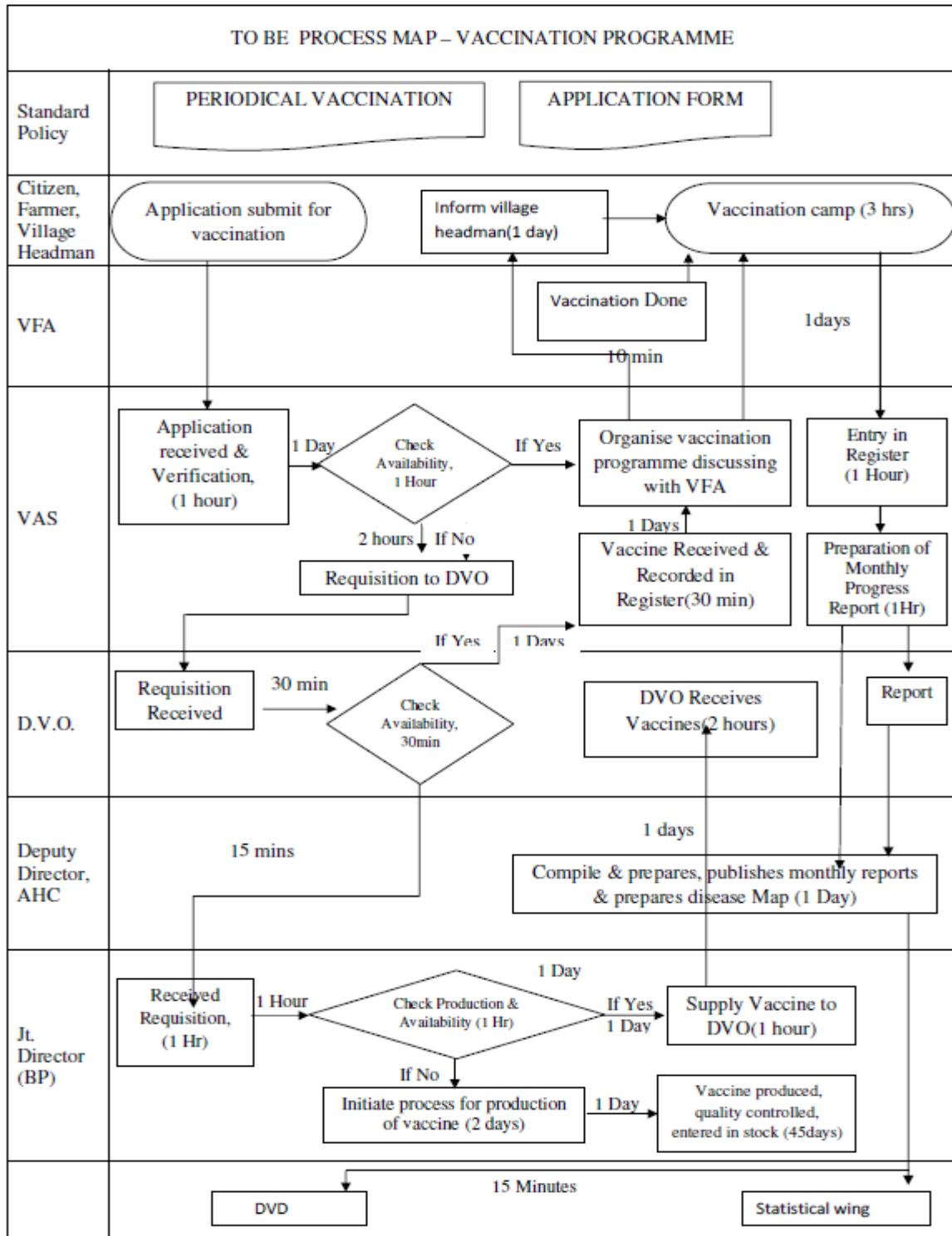
VALUE ADDED RATIO : 96.83 %

3.3.4 To Be Process for the Training Program for the Farmers with the Time Constraint which will be achieved by Automatic Triggers



TURN AROUND TIME (TAT) : 68 DAYS
 HANDS ON TIME (HOT) : 48 DAYS
 VALUE ADDED RATIO (VAR) : $\text{HOT/TAT} \times 100\%$
 $= 48/68 \times 100\%$
 $= 70.59\%$

3.3.5 To Be Process for the Vaccination Program for the Farmers with the Time Constraint which will be achieved by Automatic Triggers



TURN AROUND TIME : 57.73days
 HANDS ON TIME : 49.54days
 VALUE ADDED RATIO : 85.81%

3.4 High level Use Cases

3.4.1 NeGP-A Service-12 Livestock Management

Overview: This Activity Enables the Actor to have the access Over NeGP-A Service-12

Scope: The Actor Can View Main Three Components of the NeGP-A Service-12

Those three components are mentioned as follow:-

- Information on Livestock Management related activities at the state level
- Information and Expert Advisory on livestock management during normal, drought , Flood and Epidemic circumstances
- Information on Feed And Fodder availability & Management practices in the nearest region of the farmer

Use Case ID:	UC_1
Use Case Name:	NeGP-A Service-12 Livestock Management
Feature ID	FEAT_1

Actors:	Block, District, State, Central level agencies and Admin
Stake Holder:	Department of Animal Husbandry, Poultry Development
Description:	<p>The Actor Can View Main Three Components of the NeGP-A Service-12</p> <p>Those two components are mentioned as follow:-</p> <ul style="list-style-type: none"> • Livestock Management related activities at the state level • Information and Expert Advisory on livestock management during normal, drought , Flood and Epidemic circumstances • Feed And Fodder Management
Trigger:	Initiate the web portal
Pre conditions:	<p>Availability of internet</p> <p>Login Required in the case of two components Livestock Management and Feed & Fodder Management.</p>

Post conditions:	<p>Check from which state the actor is accessing the Web Portal; give the actor the facility of changing the language as per his region.</p> <p>Login Required in the case</p> <p>If the Actor is authenticated then only he can see the Livestock management and Feed and Fodder Management Link Buttons</p>	
Input:	<ul style="list-style-type: none"> ▪ Click on one of the link button :- <ul style="list-style-type: none"> • Livestock Management related activities and Feed And Fodder Management • Information and Expert Advisory on livestock management during normal, drought , Flood and Epidemic circumstances 	
Output:	Desired Form will get open.	
Normal Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ▪ The actor clicks on the related button 	<p>System Responses</p> <ul style="list-style-type: none"> ▪ Page opens up with desired Form
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions	System Response
Includes other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:		
Special Requirements:		

Assumptions:	
Dependency:	
Notes and Issues:	

3.4.2 View Performance Report of AI Centers

Overview: This activity enables the actor to view the Performance of AI centers

Scope: The actor can view the Agency wise (Govt., Private, NGO and Cooperative)

- No. of AI centers
- AI done
- No. of AI performed monthly/quarterly/Half yearly/ yearly
- Drill down facility till the village level for inner /last level detailed information

Use Case ID:	UC_2
Use Case Name:	View the Performance Report of AI centers
Feature ID	FEAT_2

Actors:	Block, District, State, Central level agencies and Admin
Stake Holder:	Department of Animal Husbandry, Poultry Development
Description:	<p>The actor can view the Agency wise (Govt. ,Private ,NGO and Cooperative)</p> <ul style="list-style-type: none"> • No. of AI centers • AI done quantum of • No. of AI performed monthly/quarterly/Half yearly/ yearly
Trigger:	View the Performance report of AI centers
Pre conditions:	Login by authenticated user

Post conditions:	<ul style="list-style-type: none"> • If the Actor is from Center the reports will be shown state wise and UT's wise. • If the Actor is from state the reports will be shown District Wise. • If the Actor is from District the Reports will be shown Block wise. • If the Actor is From Block the Reports will be shown of its own block. 	
Input:	Click on "Performance OF AI Centers" Link Button	
Output:	Desired report will be shown with the parameters like Agency name No of AIC, AI (Million), No of AI performed, per month ,per quarter, yearly, half yearly. Total	
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ The actor clicks on the related button 	System Responses <ul style="list-style-type: none"> ▪ Page opens up with desired Report
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Drilling for the information not available/information not fed to the system	System Response The system will throw error
Includes other use case id	UC_3	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/frequent/ medium/ less/ rare	Frequent	
Business Rules:	Drill down facility till the village level for inner /last level detailed information	

Special Requirements:	“Drill down” for transparency
Assumptions:	The AI done will be in Million nos.
Dependency:	This use case is dependent on UC_3.
Notes and Issues:	“Drill down” for transparency

3.4.3 Managing Distribution and Management of AI Services at Block Level

Overview: This activity enables the actors to fill in the details of the AI done by the agencies at the village level.

Scope: The actor can fill in the Details of Number of AI done per Centre.

Use Case ID:	UC_3
Use Case Name:	Managing Distribution and Management of AI Services at Block Level
Feature ID	FEAT_3

Actors:	Block, District, State and Center user(Government and Non Government user)
Stake Holder:	
Description:	The actor can fill in the detailed information for the AI done per centre only.
Trigger:	A Web Service will pull the fields from the NADRS Application’s Block Level Application only if the actor is a state, district or block user.
Pre conditions:	Login by authenticated user

<p>Post conditions:</p>	<p>Central level official cannot do modification and addition in the details</p> <p>If the Actor is from same level or from the upper level then only the target details pan gets visible and also modification or addition took place in other fields.</p>
<p>Input:</p>	<p>There are certain parameters need to be filled which are stated below:-</p> <p>Location Details:- State, District, Rural, Block, Village</p> <p>Center Details:- Veterinary Center, Date</p> <p>Animal 1 :- Animal 1, No of AI Done 1, No Verified for Pregnancy1, No of Positive Cases 1, Heifer Calf Born 1, No of Positive Cases 1, Heifer Calf Born 1, Bull Calf Born 1</p> <p>Animal 2 :- Animal 2, No of AI Done 2, No Verified for Pregnancy2, No of Positive Cases 2, Heifer Calf Born 2, No of Positive Cases 2, Heifer Calf Born 2, Bull Calf Born 2</p> <p>Animal 3 :- Animal 3, No of AI Done 3, No Verified for Pregnancy3, No of Positive Cases 3, Heifer Calf Born 3, No of Positive Cases 3, Heifer Calf Born 3, Bull Calf Born 3</p> <p>Animal 4 :- Animal 4, No of AI Done 4, No Verified for Pregnancy4, No of Positive Cases 4, Heifer Calf Born 4, No of Positive Cases 4, Heifer Calf Born 4, Bull Calf Born 4</p> <p>Animal 5 :- Animal 5, No of AI Done 5, No Verified for Pregnancy5, No of Positive Cases 5, Heifer Calf Born 5, No of Positive Cases 5, Heifer Calf Born 5, Bull Calf Born 5</p> <p>Target Details: Start Date, End Date, Veterinary Center, Target, Parent Target</p>
<p>Output:</p>	<p>Record is Saved Successfully into the Database for MIS or Report Generation.</p>

Normal Flow:	<p>Actor Actions</p> <p>All the operations are Performed as those are achieved in NADRS Application.</p> <p>Web service will get the related data from get method and submits the related data with set method.</p>	<p>System Responses</p> <p>The record will be saved successfully</p>
Alternative Flow:	<p>Actor Actions</p>	<p>System Responses</p>
Exceptional Flow:	<p>Actor Actions</p> <p>Mandatory fields not filled/ incomplete form submission</p>	<p>System Response</p> <p>System will throw an error highlighting the fault</p>
Includes other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	One block cannot see the data of the another block	
Special Requirements:	Strict Data ownership	
Assumptions:	Will use Get and Set Methods in Web services.	
Dependency:	NADRS application	
Notes and Issues:	Strict Data ownership	

3.4.4 View the Performance of Semen Stations

Overview: This activity enables the actor to view the Performance of Semen stations all over India

Scope: The actor can view the Agency wise (Govt., Private, NGO and Cooperative)

- Semen stations
- No. of bulls
- Semen production quantity in million Doses
- Bulls per station
- Doses produced per station

Drill down facility till the village level for inner /last level detailed information

Use Case ID:	UC_4
Use Case Name:	View the Performance report semen's stations of AI centers report
Feature ID	FEAT_4

Actors:	Block, District, State, Central level agencies and Admin
Stake Holder:	
Description:	<p>The actor can view the Agency wise (Govt. ,Private ,NGO and Cooperative)</p> <ul style="list-style-type: none"> • Semen stations nos. • No. of bulls • Semen production quantity in million doses • Bulls per station nos. • Doses produced per station in lakhs
Trigger:	View the Performance of Semen stations
Pre conditions:	Login by authenticated user

Post conditions:	<ul style="list-style-type: none"> • If the Actor is from Center the reports will be shown state wise and UT's wise. • If the Actor is from state the reports will be shown District Wise. • If the Actor is from District the Reports will be shown Block wise. • If the Actor is From Block the Reports will be shown of its own block. 	
Input:	<ul style="list-style-type: none"> ▪ Select Year from drop down button, Click on Performance of semen station link button 	
Output:	Desired report will be shown with the parameters like :- Agency, Semen Stations, No of Bulls, Semen Production, Bulls per Station, Doses Produced per Station, Total	
Normal Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ▪ The actor clicks on the related button 	<p>System Responses</p> <ul style="list-style-type: none"> ▪ Page opens up with desired Report
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	<p>Actor Actions</p> <p>Drilling for the information not available/information not fed to the system</p>	<p>System Response</p> <p>The system will throw error</p>
Includes other use case id	UC_5	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Drill down facility till the village level for inner /last level detailed information	

Special Requirements:	“Drill down” for transparency
Assumptions:	The semen produced will be in Million nos. Doses produced will be in Lakh
Dependency:	This use case is fully dependent of UC_5
Notes and Issues:	“Drill down” for transparency

3.4.5 Managing Production and Marketing Service of Semen at Block Level

Overview: This activity enables the actors to fill in the details of the semen produced by the agencies at the village level

Scope: The actor can fill in the detailed information for the Semen produced per centre.

Use Case ID:	UC_5
Use Case Name:	Managing Production and Marketing Service of Semen at Block Level
Feature ID	FEAT_5

Actors:	Block, District, State and Center user(Government and Non Government user)
Stake Holder:	
Description:	The actor can fill in the detailed information for the Semen produced per centre.
Trigger:	Fill in the detailed information for the Semen produced
Pre conditions:	Login by authenticated user
Post conditions:	Central level official cannot do modification and addition in the details If the Actor is from same level or from the upper level then only the target details pan gets visible and also modification or addition took place in other fields.

Input:	<p>Production:- State, District, Rural/Urban, Block, Opening Balance of DFS, DFS produced, DFS received from other sperm stations, DFS purchased, Total Straws, Straws discarded during processing, Straws supplied to A.I. Centre's, Straws supplied to Semen Banks, Total supply, DFS sold, Closing balance of DFS Species, Breed , Total, Grade of the Center.</p> <p>Marketing :- Species, Breed, Semen availability, quantity, Name of the person who will deliver at the door step, cost, variety, state, Market area, Name of the market, type of the market, available category.</p>	
Output:	Record is Saved Successfully into the Database for MIS or Report Generation.	
Normal Flow:	<p>Actor Actions</p> <p>The actor fills in the detailed form</p>	<p>System Responses</p> <p>The record will be saved successfully</p>
Alternative Flow:	<p>Actor Actions</p>	<p>System Responses</p>
Exceptional Flow:	<p>Actor Actions</p> <p>Mandatory fields not filled/ incomplete form submission</p>	<p>System Response</p> <p>System will throw an error highlighting the fault</p>
Includes other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	One block cannot see the data of another block and upper level.	
Special Requirements:	Strict Data ownership	
Assumptions:	Login by authenticated user	

Dependency:	
Notes and Issues:	Strict Data ownership

3.4.6 View the State Wise Distribution of semen station report

Overview: This activity enables the actor to view the state wise distribution of semen station with grades awarded all over India

Scope: The actor can view the state wise Distribution of semen stations categorized into **Grade A, Grade B, Grade C, Not Graded and Not Evaluated**

Drill down facility till the village level for inner /last level detailed information

Use Case ID:	UC_6
Use Case Name:	View the state wise distribution of semen station with grades awarded all over India
Feature ID	FEAT_6

Actors:	Block, District, State, Central level agencies and Admin
Stake Holder:	
Description:	The actor can view the Lower Level wise Distribution of semen stations categorized into Grade A, Grade B, Grade C, Not Graded and Not Evaluated Drill down facility till the Block level for inner /last level detailed information.
Trigger:	View the Level wise distribution of semen station with grades awarded all over India
Pre conditions:	Login by authenticated user

Post conditions:	<ul style="list-style-type: none"> • If the Actor is from Center the reports will be shown state wise and UT's wise. • If the Actor is from state the reports will be shown District Wise. • If the Actor is from District the Reports will be shown Block wise. • If the Actor is From Block the Reports will be shown of its own block. 	
Input:	Select First Year and second year from the two drop down lists ,Click on State-wise distribution of semen stations with the grades awarded link button	
Output:	Desired report will be shown with the parameters like:- S.No, State, Grade A, Grade B, Grade C, Not Graded, Not Evaluated, Total Stations, Total	
Normal Flow:	<p>Actor Actions</p> <p>The actor clicks on the related button</p>	<p>System Responses</p> <p>Page opens up with desired Report</p>
Alternative Flow:	<p>Actor Actions</p>	<p>System Responses</p>
Exceptional Flow:	<p>Actor Actions</p> <p>Drilling down for information not available</p>	<p>System Response</p> <p>System will throw error</p>
Includes other use case id	UC_5	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	

Business Rules:	Drill down facility till the village level for inner /last level detailed information
Special Requirements:	“Drill down” for transparency
Assumptions:	Grade A will be 80 & above; Grade B will be 66 to 79; Grade C will be 65 to 50; Not Graded will be Below 49, Not Evaluated will be NE
Dependency:	UC_5
Notes and Issues:	“Drill down” for transparency

3.4.7 View the Demand and Availability of Feed and Fodder Report

Overview: This activity enables the actor to view the Demand and availability of feed and fodder all over India (year wise)

Scope: The actor can view the Type of feed wise

- Demand
- Availability
- Gap

Drill down facility till the village level for inner /last level detailed information

Use Case ID:	UC_7
Use Case Name:	View the Demand and availability of feed and fodder all over India
Feature ID	FEAT_7

Actors:	Block, District, State, Central level agencies and Admin
Stake Holder:	

Description:	The actor can view the Type of feed wise <ul style="list-style-type: none"> • Demand • Availability • Gap 	
Trigger:	View the Demand and availability of feed and fodder all over India	
Pre conditions:	Login by authenticated user	
Post conditions:	<ul style="list-style-type: none"> • If the Actor is from Center the reports will be shown state wise and UT's wise. • If the Actor is from state the reports will be shown District Wise. • If the Actor is from District the Reports will be shown Block wise. • If the Actor is From Block the Reports will be shown of its own block. 	
Input:	Select first year and second year from drop downs respectively, Click on Demand & Availability of Feed & Fodder link button	
Output:	Desired report will be shown with the parameters like S. No., Feed, Fodder ,Demand, Availability, Gap	
Normal Flow:	Actor Actions The actor clicks on the related button	System Responses Page opens up with desired Report
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Drilling down for information not available/not fed to the system	System Response System will throw error
Includes other use case id	UC_8 and UC_9	
UI: required/not required	Required	

Priority: Low/medium/high	High
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	Drill down facility till the Block level for inner /last level detailed information
Special Requirements:	"Drill down" for transparency
Assumptions:	The census will be in Million nos. & Gap will come with the percentage as well as in decimal digits.
Dependency:	This Use Case is Fully Dependent on UC_8 and UC_9
Notes and Issues:	"Drill down" for transparency

3.4.8 Feed and Fodder Management at Block Level

Overview: - This Activity enables the actors to fill the details related to Feed and Fodder Management at Block Level.

Scope: - The Actor can fill the detailed information for the feed and fodder management like:-

- Feed and Fodder Development
- Hay Making and silage making
- Straw Enrichment
- Demonstration plots for fodder cultivation
- Grass Land Development
- Fodder Seed Production at Farm (Kg.)

Use Case ID:	UC_8
Use Case Name:	Managing Feed & Fodder Management at Block Level
Feature ID	FEAT_8

Actors:	Block, District, State, Central level user
Stake Holder:	
Description:	<p>The Actor can fill the detailed information for the feed and fodder management like:-</p> <ul style="list-style-type: none"> • Feed and Fodder Development • Hay Making and silage making • Straw Enrichment • Demonstration plots for fodder cultivation • Grass Land Development • Fodder Seed Production at Farm(Kg.)
Trigger:	Filled data will be stored in the database
Pre conditions:	Login by authenticated user
Post conditions:	<p>Central level official cannot do modification and addition in the details</p> <p>If the Actor is from same level or from the upper level then only the target details pan gets visible and also modification or addition took place in other fields.</p>
Input:	<p>Click on “Feed and Fodder Management” Link Button form will open with the parameters like :-</p> <p>Location Details: - State, District, Rural/Urban, Village, Block, Crop name,</p> <p>Center:- Type of Center, Name of the Center</p> <p>Production of Fodder/Grass/Silage etc.(in Quintals):- S.No. , Name of Production, Opening Balance, Production, Received from other sources, Total, Sold to breeders, Consumed at Farms, Sent to other Farms, Closing Balance, Remarks</p> <p>Other Activities: - Roots Produced at Farm, Fodder Plants Produced in Nursery.</p>
Output:	The record will be saved successfully and stored for the MIS and Report Generation

Normal Flow:	Actor Actions View Reports generated from the block level application	System Responses The record will be showed and saved successfully
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Mandatory fields not filled/ incomplete form submission	System Response System will throw an error highlighting the fault
Includes other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	One block cannot see the data of the another block	
Special Requirements:	Strict Data ownership	
Assumptions:	login required	
Dependency:		
Notes and Issues:	Strict Data ownership	

3.4.9 Managing Fodder Seeds Distribution at Block Level

Overview: This Activity enables the actors to fill in the details of Fodder Seeds Distribution or development at the Block Level.

Scope: The Actor can fill in the detailed information for the Fodder Seed Distribution and Development at Block Level

Use Case ID:	UC_9
Use Case Name:	Managing Fodder Seeds Distribution at Block Level
Feature ID	FEAT_9

Actors:	Block, District, State, Central level user
Stake Holder:	
Description:	The actor can fill in the information for the Feed & Fodder Management Practices used at centers.
Trigger:	Fill in the detailed information for the Livestock and Poultry Insurance details which will get stored into database with help of NADRS application via Web services via get and set methods.
Pre conditions:	Login by authenticated user
Post conditions:	<ul style="list-style-type: none"> Central level official cannot do modification and addition in the details If the Actor is from same level or from the upper level then only the target details pan gets visible and also modification or addition took place in other fields.

<p>Input:</p>	<p>Click on “Feed and Fodder Management” Link Button form will open with the parameters like :-</p> <p>Location Details: - State, District, Rural/Urban, Village, Block, Crop name,</p> <p>Veterinary Center :- Veterinary Center,</p> <p>Farmer: - Farmer.</p> <p>Seeds Distribution Details: - Date, Season, Variety name, Seeds/Slips, Seed Quantity, Unit of Quantity.</p>	
	<p>Other Details:- Previously Sown Crop, Demonstration Conducted, micro nutrient contents of crops/ soil Germination%, Date of Sowing, Method Of Sowing, No. of Irrigation with date, No. Of Cuttings and Yields, Pest or Disease Noticed, Insecticides or fungicides applied, Pest or Disease Noticed, Preparation, Nutrient dose(Kg/hac), Basal Dose, Top Dressing Date wise.</p> <p>Feedback:- Financial Benefit obtained(rs), Seed Retained, Officers Reaction about Crop Performance, Farmer Reaction About Crop Performance, Remarks of Inspection officer</p>	
<p>Output:</p>	<p>The record will be saved successfully into the database for MIS and Report Generation.</p>	
<p>Normal Flow:</p>	<p>Actor Actions</p> <p>All the operations are Performed as those are achieved in NADRS Application.</p> <p>Web service will get the related data from get method and submits the related data with set method.</p>	<p>System Responses</p> <p>The record will be saved successfully</p>
<p>Alternative Flow:</p>	<p>Actor Actions</p>	<p>System Responses</p>
<p>Exceptional Flow:</p>	<p>Actor Actions</p> <p>Mandatory fields not filled/ incomplete form submission</p>	<p>System Response</p> <p>System will throw an error highlighting the fault</p>

Includes other use case id	
UI: required/not required	Required
Priority: Low/medium/high	High
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	One block cannot see the data of the another block
Special Requirements:	Strict Data ownership
Assumptions:	No login required: service is open to all
Dependency:	
Notes and Issues:	Strict Data ownership

3.4.10 View Avian Influenza Outbreaks Report

Overview: This activity enables the actor to view the Avian Influenza outbreaks all over India.

Scope: The actor can view the Avian Influenza outbreaks details per

- State
- Districts
- Name of epicenters
- Birds culled
- Compensation paid

Drill down facility till the village level for inner /last level detailed information

Use Case ID:	UC_10
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Use Case Name:	View Avian Influenza outbreaks all over India
Feature ID	FEAT_10

Actors:	Block, District, State, Central level agencies and Admin
Stake Holder:	
Description:	<p>The actor can view the Avian Influenza outbreaks details per</p> <ul style="list-style-type: none"> • State • Districts • Name of epicenters • Birds culled • Compensation paid <p>Drill down facility till the village level for inner /last level detailed information</p>
Trigger:	View Avian Influenza outbreaks all over India
Pre conditions:	Login by authenticated user
Post conditions:	<ul style="list-style-type: none"> • If the Actor is from Center the reports will be shown state wise and UT's wise. • If the Actor is from state the reports will be shown District Wise. • If the Actor is from District the Reports will be shown Block wise. • If the Actor is From Block the Reports will be shown of its own block.
Input:	Select first date, month, year and second date, month, year from the drop downs respectively, Click on "Outbreaks of Avian Influenza" link button
Output:	Desired report will be shown with the parameters like:- Period, State affected, Number of Districts, Number of Epicenters, Birds culled, Compensation paid, Total

Normal Flow:	Actor Actions The actor clicks on the related button	System Responses Page opens up with desired Report
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions	System Response
Includes other use case id	UC_12 and UC_13	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Drill down facility till the village level for inner /last level detailed information	
Special Requirements:	"Drill down" for transparency	
Assumptions:	Birds culled will be in lakh, Compensation paid will be in lakh	
Dependency:	This Use Case Depends on UC_12 and UC_13	
Notes and Issues:	"Drill down" for transparency	

3.4.11 Managing Disease Surveillance and Control Block Level

Overview: This activity enables the actors to fill in the details of disease reported at the village level

- Daily Incidence Disease Cases Reporting
- Creation of First Information Report (FIR) in case of outbreak
- Escalation of daily case as outbreak, in case of outbreak
- Follow up for outbreak

Scope: The actor can fill in the detailed information of disease reported

Use Case ID:	UC_11
Use Case Name:	Managing Disease Surveillance and Control Block Level
Feature ID	FEAT_11

Actors:	Block, District, State, Central level agencies and Admin
Stake Holder:	
Description:	<ul style="list-style-type: none"> • Daily Incidence Disease Cases Reporting • Creation of First Information Report (FIR) in case of outbreak • Escalation of daily case as outbreak, in case of outbreak • Follow up for outbreak
Trigger:	Fill in the detailed information for the Disease
Pre conditions:	Login by the actor.
Post conditions:	<p>Only Central level official cannot do modification and addition in the details</p> <p>If the Actor is from same level or from the upper level then only the target details pan gets visible and also modification or addition took place in other fields.</p>
Input:	<p>Click on “Daily Incidence Disease Cases Reporting” Link Button.</p> <p>Click “Creation of First Information Report (FIR) in case of outbreak” Link Button.</p> <p>Click on “ View Unstructured Reports ” Link Button</p> <p>Click on “ Create Structured Reports” Link Button</p>
Output:	Desired form will open on the click.

Normal Flow:	<p>Actor Actions</p> <p>All the operations are Performed as those are achieved in NADRS Application.</p> <p>Web service will get the related data from get method and submits the related data with set method.</p>	<p>System Responses</p> <p>The record will be saved successfully</p>
Alternative Flow:	<p>Actor Actions</p>	<p>System Responses</p>
Exceptional Flow:	<p>Actor Actions</p> <p>Mandatory fields not filled/ incomplete form submission</p>	<p>System Response</p> <p>System will throw an error highlighting the fault</p>
Includes other use case id	UC_12, UC_13	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	One block cannot see the data of the another block	
Special Requirements:	Strict Data ownership	
Assumptions:	No login required: service is open to all	
Dependency:		
Notes and Issues:	Strict Data ownership	

3.4.12 Daily Incidence Disease Reporting at Block Level

Overview: This activity enables the actors to do Daily Incidence Disease Case Reporting

Scope: The actor can fill the daily incidence disease case Reporting.

- Location Details
- Case Information
- Animal Details
- Disease Symptoms
- Animal wise details
- Treatment details
- Lab Test Details in case lab test is recommended.
- Outbreak
- Vaccination
- Disease Identification

Use Case ID:	UC_12
Use Case Name:	Daily Incidence Disease Reporting.
Feature ID	FEAT_12

Actors:	Block, District, State, Central level agencies and Admin
Stake Holder:	

<p>Description:</p>	<p>The actor can fill the daily incidence disease case Reporting.</p> <ul style="list-style-type: none"> • Location Details • Case Information • Animal Details • Disease Symptoms • Animal wise details • Treatment details • Lab Test Details in case lab test is recommended. • Outbreak • Vaccination • Disease Identification
<p>Trigger:</p>	<p>A Web Service will pull the fields from the NADRS Application's Block Level Application only if the actor is a state, district or block user.</p>
<p>Pre conditions:</p>	<p>Login by authenticated user.</p>
<p>Post conditions:</p>	<p>Central level official cannot do modification and addition in the details</p> <p>If the Actor is from same level or from the upper level then only the target details pan gets visible and also modification or addition took place in other fields.</p>

<p>Input:</p>	<p>Location Details - state, district, block, veterinary centre, Rural/Urban, Village.</p> <p>Case information - patient type, animal owner, Date of Reporting, Type of Case.</p> <p>Animal Details – species, habitat, breed, number of animals, Species Category, animal.</p> <p>Disease & Symptoms</p> <p>Animal wise details for each animal: - adult/young, age, Gender, Exotic/Indigenous/Crossbreed, Lab Test Recommended.</p> <p>Treatment details – Daily Incidence Case No., From Date, To Date, Treatment Category, Treatment Category, Treatment Medicines vaccination details.</p> <p>Lab test details in case lab test is recommended: – Daily incidence serial no., Tentative disease, Date of Reporting, Veterinary doctor confirmation, Veterinary Centre, Parent lab test and confirmation, Case type, Remarks</p> <p>Lab Test Details:- Sample Unique Code, Mode of transportation, Specimen/Sample name, Purpose of sample collection, For example, Sample collection date, Lab test category, Laboratory.</p> <p>Test Performed & Result:- Select Lab test name, Sample unique Code, Range, Result, Test Result, Remarks.</p> <p>Treatment Details on Daily Basis :- Vaccinated(if Yes) then show Vaccination Date, Vaccine Name</p> <p>Outbreak: - Date Of Initial Occurrence, Date Of Visit, Remarks, and Outbreak Confirmed?</p> <p>Disease Mode Of Identification:- No. of Animal Affected, No. of Death, Source Of Infection, Disease Mode of Introduction</p>
<p>Output:</p>	<p>The Record is successfully stored in the Data Base for MIS and Report Generation.</p>

Normal Flow:	<p>Actor Actions</p> <p>All the operations are Performed as those are achieved in NADRS Application.</p> <p>Web service will get the related data from get method and submits the related data with set method.</p>	<p>System Responses</p> <p>Will show:</p> <p>The record will be saved successfully into the database for MIS and Report Generation.</p>
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	<p>Actor Actions</p> <p>Mandatory fields not filled/ incomplete form submission</p>	<p>System Response</p> <p>System will throw an error highlighting the fault</p>
Includes other use case id	UC_11	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	One District cannot see the data of the another district	
Special Requirements:	Strict Data ownership	
Assumptions:	Access to the NADRS Application	
Dependency:	NADRS Application and on the UC_11	

Notes and Issues:	Strict Data ownership
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3.4.13 FIR (First Information Report)

Overview: This activity enables the actors to Report the First Incidence took place.

Scope: The actor can fill in

- Location Details
- Incidence Details
- Disease Details
- Disease Symptoms
- Animal Details
- Animal Disease Specifications Details
- Treatments Details
- Lab Test Details in case lab test is recommended.
- Following Up for the Outbreaks
- Control Measures
- Disease Introduction , Identification and verification
- Outbreak Species
- Estimated Loss On Production/productivity
- Manifestation of Malady

Use Case ID:	UC_13
Use Case Name:	First Information Report (FIR)
Feature ID	FEAT_13

Actors:	Block, District, State, Central level agencies and Admin
Stake Holder:	

Description:	<p>The actor can fill the daily incidence disease case Reporting.</p> <ul style="list-style-type: none"> • Location Details • Incidence Details • Disease Details • Disease Symptoms • Animal Details • Animal Disease Specifications Details • Treatments Details • Lab Test Details in case lab test is recommended. • Following Up for the Outbreaks • Control Measures • Disease Introduction , Identification and verification • Outbreak Species • Estimated Loss On Production/productivity • Manifestation of Malady
Trigger:	Use Web services to operate the information with get and set method of web service methodology.
Pre conditions:	Login by authenticated user.
Post conditions:	<p>Central level official cannot do modification and addition in the details</p> <p>If the Actor is from same level or from the upper level then only the target details pan gets visible and also modification or addition took place in other fields.</p>

Input:	<p>Location Details - state, district, block, veterinary centre, Rural/Urban, Village.</p> <p>Case information - patient type, animal owner, Date of Reporting, Type of Case.</p> <p>Animal Details – species, habitat, breed, number of animals, Species Category, animal.</p>
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	<p>Disease & Symptoms</p> <p>Animal wise details for each animal: - adult/young, age, Gender, Exotic/Indigenous/Crossbreed, Lab Test Recommended.</p> <p>Treatment details – Daily Incidence Case No., From Date, To Date, Treatment Category, Treatment, Treatment Medicines vaccination details.</p> <p>Lab test details in case lab test is recommended: – Daily incidence serial no., Tentative disease, Date of Reporting, Veterinary doctor confirmation, Veterinary Centre, Parent lab test and confirmation, Case type, Remarks, reference lab test results</p> <p>Lab Test Details:- Sample Unique Code, Mode of transportation, Specimen/Sample name, Purpose of sample collection, For example, Sample collection date, Lab test category, Laboratory.</p> <p>Test Performed & Result: - Select Lab test name, Sample unique Code, Range, Result, Test Result, and Remarks.</p> <p>Treatment Details on Daily Basis :- Vaccinated(if Yes) then show Vaccination Date, Vaccine Name</p> <p>Outbreak: - Date Of Initial Occurrence, Date Of Visit, Remarks, and Outbreak Confirmed?</p> <p>Disease Mode Of Identification: - No. of Animal Affected, No. of Death, Source Of Infection, Disease Mode of Introduction.</p> <p>Following Up for the job: - Follow Up Job Allocation officer.</p> <p>Control Measure Adopted: - Type of Control Measures.</p> <p>Disease Introduction & Identification: - Disease, Animal, Disease Mode of Introduction, Type of Animal, Casual Agents.</p> <p>Estimated Loss of Production:- Milk Quantity(Ltr), Milk Value, Meat Quantity(Kg.) , Meat Value, Egg Quantity(No.), Egg Value, wool Quantity(No.), wool value, Draught Bullock Power Days(No), Draught Bullock Power Value.</p> <p>Manifestation Of Malady: - Type Of Manifestation Of Malady.</p>
Output:	The Record is successfully stored in the Data Base for MIS and Report Generation.

Normal Flow:	<p>Actor Actions</p> <p>All the operations are Performed as those are achieved in NADRS Application.</p> <p>Web service will get the related data from get method and submits the related data with set method.</p>	<p>System Responses</p> <p>Will show:</p> <p>The record will be saved successfully into the database for MIS and Report Generation.</p>
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	<p>Actor Actions</p> <p>Mandatory fields not filled/ incomplete form submission</p>	<p>System Response</p> <p>System will throw an error highlighting the fault</p>
Includes other use case id	UC_11	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	One District cannot see the data of the another district	
Special Requirements:	Strict Data ownership	
Assumptions:		
Dependency:	NADRS Disease Reporting Application and on UC_11	

Notes and Issues:	Strict Data ownership
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3.4.14 View Unstructured Reports Sent by External Users

Overview: - This enables to give a view of unstructured report, sent by the External Users.

Scope: - This enables the Actor to view the Unstructured Reports sent by External Users.

Use Case ID:	UC_14
Use Case Name:	First Information Report (FIR)
Feature ID	FEAT_14

Actors:	Block, District, State, Central level agencies and Admin
Stake Holder:	
Description:	The actor can view the Unstructured Reports submitted by the External user disease case Reporting.
Trigger:	Fetch the Reports From the NADRS Disease Reporting System Application
Pre conditions:	Login by authenticated user.
Post conditions:	<ul style="list-style-type: none"> • If the Actor is from Center the reports will be shown state wise and UT's wise. • If the Actor is from state the reports will be shown District Wise. • If the Actor is from District the Reports will be shown Block wise. • If the Actor is From Block the Reports will be shown of its own block.
Input:	Mobile Number, Date Of Reporting, Message Text, Unstructured Reports, Unstructured Reports, Search.

Output:	The Record is successfully stored in the Data Base for MIS and Report Generation.	
Normal Flow:	<p>Actor Actions</p> <p>All the operations are Performed as those are achieved in NADRS Application.</p> <p>Web service will get the related data.</p>	<p>System Responses</p> <p>Will show:</p> <p>Unstructured Reports by actors choice.</p>
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	<p>Actor Actions</p> <p>Mandatory fields not filled/ incomplete form submission</p>	<p>System Response</p> <p>System will throw an error highlighting the fault</p>
Includes other use case id	UC_11	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	One District cannot see the data of the another district	
Special Requirements:	Strict Data ownership	
Assumptions:		
Dependency:	NADRS Disease Reporting Application and on UC_11	

Notes and Issues:	Strict Data ownership
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3.4.15 Create a Structured Report under Disease Surveillance and Control

Overview: This activity enables the actors to Create a report based on livestock related disease reported across the country.

Scope: The actor can Create Structured disease case reported across the country which will work as an alert for the related bodies for appropriate action.

Use Case ID:	UC_15
Use Case Name:	Create a Structured Report under Disease Surveillance and Control
Feature ID	FEAT_15

Actors:	Block, District, State, Central level agencies and Admin
Stake Holder:	
Description:	The actor can create the Disease Surveillance and Control Report
Trigger:	Use Web services to operate the information with get and set method of web service methodology.
Pre conditions:	Login Required
Post conditions:	Central level official cannot do modification and addition in the details If the Actor is from same level or from the upper level then only the target details pan gets visible and also modification or addition took place in other fields.

Input:	New Structured report inputs will be like :- Conversation of Users Reported Unstructured Information to structured:- Case Number, Unstructured Report, Date of Reporting, User Key, SMS/IVR/e-Mail/Message, Message Mode, Validity Message Code, Animal Code, Disease Code Suspected, Clinical Symptoms Code1, Clinical symptoms Code2, Clinical Symptoms Code3, Phone No.	
Output:	Record will be stored successfully for MIS and Report Generation.	
Normal Flow:	Actor Actions The Actor can achieve the following operations from the NADRS Disease Reporting Application through web services via get set method of web services methodology	System Responses The Database will get updated
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Show not available report	System Response System will throw an error highlighting the fault
Includes other use case id	UC_11	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Actor can see reports or can fill the data only on his level or lower level.	

Special Requirements:	Strict Data ownership
Assumptions:	Access of NADRS Application.
Dependency:	NADRS Disease Reporting Application and on UC_11
Notes and Issues:	Strict Data ownership

3.4.16 View Report for the Milk Procured by DMS

Overview: This activity enables the actor to view the Milk procured by DMS

Scope: The actor can view the

- Total qty. of milk procured
- Average /per day

Drill down facility till the village level for inner /last level detailed information

Use Case ID:	UC_16
Use Case Name:	View the Milk Procured by DMS
Feature ID	FEAT_16

Actors:	Block, District, State, Central level agencies and Admin
Stake Holder:	
Description:	<p>The actor can view the</p> <ul style="list-style-type: none"> • Total qty. of milk procured • Average /per day <p>Drill down facility till the village level for inner /last level detailed information</p>
Trigger:	View the Milk procured by DMS

Pre conditions:	Login by authenticated user	
Post conditions:	<ul style="list-style-type: none"> • If the Actor is from Center the reports will be shown state wise and UT's wise. • If the Actor is from state the reports will be shown District Wise. • If the Actor is from District the Reports will be shown Block wise. • If the Actor is From Block the Reports will be shown of its own block. 	
Input:	Select first year and second year from the drop downs respectively, Click on "Milk Procured by DMS" link button	
Output:	Desired report will be shown with the Fields like :- Year, Total Qty. of milk procured, Average/ per day	
Normal Flow:	<p>Actor Actions</p> <p>The actor clicks on the related button</p>	<p>System Responses</p> <p>Page opens up with desired Report</p>
Alternative Flow:	<p>Actor Actions</p>	<p>System Responses</p>
Exceptional Flow:	<p>Actor Actions</p> <p>Drilling down for the information not available/ not fed to the system</p>	<p>System Response</p> <p>System will throw error</p>
Includes other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	

Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	Drill down facility till the village level for inner /last level detailed information
Special Requirements:	“Drill down” for transparency
Assumptions:	The census will be in Million nos.
Dependency:	This Use Case Depends on the UC_17
Notes and Issues:	“Drill down” for transparency

3.4.17 *Managing Production and Marketing Service of Milk & Milk Products at Block Level*

Overview: This activity enables the actors to fill in the details of the Milk produced as well as the Marketing of the milk products by the agencies at the village level

Scope: The actor can fill in the detailed information for the Semen produced per centre.

Use Case ID:	UC_17
Use Case Name:	Managing Production and Marketing Service of Milk & Milk Products at Block Level
Feature ID	FEAT_17

Actors:	Block, District, State, Central level Agencies and Admin
Stake Holder:	

Description:	The actor can fill in the details of the Milk produced as well as the Marketing of the milk products	
Trigger:	Fill in the detailed information for the Milk produced and Marketing of Milk Products	
Pre conditions:	Login by authenticated user	
Post conditions:	Only Central level official cannot do modification and addition in the details If the Actor is from same level or from the upper level then only the target details pan gets visible and also modification or addition took place in other fields.	
Input:	There are certain inputs which are as follow :- Name of Farm, Milk Production, Milk Disposal, Sold to Consumers, Fed To Suckling calves/Lambs, Total Number Of Cows, Average Number of Cows in Milk, Wet Average, Herd Average, Remarks, Date, State , District, Block, Allotment of Budget(In Rupees.), Previous Expenditure(In Rupees.), Exp. During the month (In Rupees.), Progressive Exp.(In Rupees), Income From Sale of Milk.	
Output:	The Record will be saved successfully into database and will be used for MIS and Report Generation.	
Normal Flow:	Actor Actions	System Responses
	The actor fills in the detailed form	The record will be saved successfully
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions	System Response
	Mandatory fields not filled/ incomplete form submission	System will throw an error highlighting the fault
Includes other use case id		
UI: required/not required	Required	

Priority: Low/medium/high	High
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	One block cannot see the data of the another block
Special Requirements:	Strict Data ownership
Assumptions:	Login by authenticated user
Dependency:	
Notes and Issues:	Strict Data ownership

3.4.18 View the Performance/Capacity Utilization Report of DMS

Overview: This activity enables the actor to view the performance/capacity utilization Of DMS

Scope: The actor can view the performance/capacity utilization Of DMS showing the

Previous and Present years:

- Capacity utilization
- Milk sale
- Variable cost
- Fixed cost
- Total cost

Drill down facility till the village level for inner /last level detailed information

Use Case ID:	UC_18
Use Case Name:	View the performance/capacity utilization Of DMS
Feature ID	FEAT_18

Actors:	Block, District, State, Central level agencies and Admin	
Stake Holder:		
Description:	<p>The actor can view the performance/capacity utilization Of DMS showing the</p> <p>Previous and Present year's:</p> <ul style="list-style-type: none"> • Capacity utilization • Milk sale • Variable cost • Fixed cost • Total cost 	
Trigger:	View the performance/capacity utilization Of DMS	
Pre conditions:	Login by authenticated user	
Post conditions:	<ul style="list-style-type: none"> • If the Actor is from Center the reports will be shown state wise and UT's wise. • If the Actor is from state the reports will be shown District Wise. • If the Actor is from District the Reports will be shown Block wise. • If the Actor is From Block the Reports will be shown of its own block. 	
Input:	Select Year-I and Year-II from the drop downs respectively, Click on "Performance of DMS" link button	
Output:	Desired report will be shown with the parameters like: - Year, Capacity utilization, Milk Sale, Variable Cost, Fixed Cost, and Total Cost.	
Normal Flow:	Actor Actions	System Responses
	The actor clicks on the related button	Page opens up with desired Report
Alternative Flow:	Actor Actions	System Responses

Exceptional Flow:	Actor Actions Drilling down for information not available/not fed to the system	System Response The system will throw error
Includes other use case id	UC_17	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Drill down facility till the village level for inner /last level detailed information	
Special Requirements:	"Drill down" for transparency	
Assumptions:	Capacity utilization in percentage, Milk sale in Lakh liter, Variable cost in Rs. Per liter, Fixed cost in Rs. Per liter, Total cost in Rs. Per liter	
Dependency:	This Use Case is Dependent on UC_17	
Notes and Issues:	"Drill down" for transparency	

3.4.19 View Report for the Financial Outlay/ Expenditure Details of DMS

Overview: This activity enables the actor to view the Financial Outlay/ Expenditure details of DMS

Scope: The actor can view the scheme wise expenditure details for the Pervious and present year

Specifying the:

- Budget estimates
- Revised estimates

Drill down facility for transparency in the report

Use Case ID:	UC_19
Use Case Name:	View the Financial Outlay/ Expenditure details of DMS
Feature ID	FEAT_19

Actors:	Block, District, State, Central level agencies and Admin
Stake Holder:	
Description:	<p>The actor can view the scheme wise expenditure details for the Pervious and present year specifying the :</p> <ul style="list-style-type: none"> • Budget estimates • Revised estimates <p>Drill down facility for transparency in the report</p>
Trigger:	View the Financial Outlay/ Expenditure details of DMS
Pre conditions:	Login by authenticated user
Post conditions:	<ul style="list-style-type: none"> • If the Actor is from Center the reports will be shown state wise and UT's wise. • If the Actor is from state the reports will be shown District Wise. • If the Actor is from District the Reports will be shown Block wise. • If the Actor is From Block the Reports will be shown of its own block.
Input:	Select Year-I and Year-II from the drop downs respectively, Click on "Performance of DMS" link button

Output:	Desired report will be shown with the parameters like:- Head/Scheme, Year-I, Year-II, B.E for year-I., R.E for Year-I., Exp for year-I, B.E for year-II., R.E for Year-II., Exp for year-II	
Normal Flow:	Actor Actions The actor clicks on the related button	System Responses Page opens up with desired Report
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Drilling down for information not available/not fed to the system	System Response System will throw the error
Includes other use case id	UC_17	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Drill down facility for transparency in the report	
Special Requirements:	"Drill down" for transparency	
Assumptions:	The B.E and R.E will be in crores	
Dependency:	This Use Case is Dependent on UC_17	
Notes and Issues:	"Drill down" for transparency, B.E. stands for Budget Estimation, R.E. stands for Revised Estimation, Exp stands for Expenditure.	

3.4.20 View the Production of Major Livestock Products Report

Overview: This activity enables the actor to view the Production of major Livestock products

Scope: The actor can view the yearly progress in production of:

- Milk
- Eggs
- Wool , Skin and Hides
- Meat

Drill down facility till the village level for inner /last level detailed information

Use Case ID:	UC_20
Use Case Name:	View the Production of Major Livestock Products
Feature ID	FEAT_20

Actors:	Block, District, State, Central level agencies and Admin
Stake Holder:	
Description:	<p>The actor can view the yearly progress in production of</p> <ul style="list-style-type: none"> • Milk • Eggs • Wool • Skin & Hides • Meat <p>Drill down facility till the village level for inner /last level detailed information</p>
Trigger:	View the Production of major Livestock products
Pre conditions:	Login by authenticated user

Post conditions:	<ul style="list-style-type: none"> • If the Actor is from Center the reports will be shown state wise and UT's wise. • If the Actor is from state the reports will be shown District Wise. • If the Actor is from District the Reports will be shown Block wise. • If the Actor is From Block the Reports will be shown of its own block. 	
Input:	Select first year and second year from the drop downs respectively, Click on "Production Of Major Livestock Products- All India" link button	
Output:	Desired report will be shown with the parameters like:- Year, Milk, Eggs, Wool, Meat, Skin and Hides	
Normal Flow:	<p>Actor Actions</p> <p>The actor clicks on the related button</p>	<p>System Responses</p> <p>Page opens up with desired Report</p>
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	<p>Actor Actions</p> <p>Drilling down for information not available/not fed to the system</p>	<p>System Response</p> <p>The system will throw error</p>
Includes other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	

Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	Drill down facility till the village level for inner /last level detailed information
Special Requirements:	“Drill down” for transparency
Assumptions:	<ul style="list-style-type: none"> • Milk (Million Tones) • Eggs (Million Nos.) • Wool (Million Kgs.) • Meat (Million Tones) • Skin and Hides (Million k.g.)
Dependency:	This Use Case is dependent of UC_21
Notes and Issues:	“Drill down” for transparency

3.4.21 *Managing Production of major Livestock Products at Block Level*

Overview: This activity enables the actors to fill in the details of the Livestock products as well as the Marketing of the milk products by the agencies at the village level

Scope: The actor can fill in the detailed information for the Semen produced per centre.

Use Case ID:	UC_21
Use Case Name:	Managing Production Livestock Products at Block Level
Feature ID	FEAT_21

Actors:	Block, District, State, Central level agencies and Admin	
Stake Holder:		
Description:	The actor can fill in the details of the Livestock Products	
Trigger:	Fill in the detailed information for the Livestock Products	
Pre conditions:	Login by authenticated user	
Post conditions:	<p>Central level official cannot do modification and addition in the details</p> <p>If the Actor is from same level or from the upper level then only the target details pan gets visible and also modification or addition took place in other fields.</p>	
Input:	<p>There are certain inputs which are as follow :-</p> <p>Location Details: - State, District, Block, Rural/Urban, Village, Farm name.</p>	
	<p>Product :- Particular, Animal, Species</p> <p>Target Details:- Target Fixed, Parent Target, Start Date, End Date, Remarks</p> <p>Production: - Type of Product, Achieved up to previous month, Achieved the month, Progressive Achievement.</p>	
Output:	The Record will be saved successfully into database and will be used for MIS and Report Generation.	
Normal Flow:	Actor Actions	System Responses
	The actor fills in the detailed form	The record will be saved successfully
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions	System Response
	Mandatory fields not filled/ incomplete form submission	System will throw an error highlighting the fault
Includes other use case id	UC_20	

UI: required/not required	Required
Priority: Low/medium/high	High
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	One block cannot see the data of the another block
Special Requirements:	Strict Data ownership
Assumptions:	Login by authenticated user
Dependency:	
Notes and Issues:	Strict Data ownership

3.4.22 View the Veterinary institutes report

Overview: This activity enables the actor to view the Veterinary institute s all over India

Scope: The actor can view the state wise

- Veterinary Hospitals/Polyclinics
- Veterinary Dispensaries
- Veterinary aid centers/stockmen centers/Mobile dispensaries
- And can further drill down till the village level details

Use Case ID:	UC_22
Use Case Name:	View the Veterinary institutes all over India
Feature ID	FEAT_22

Actors:	Block, District, State, Central level agencies and Admin
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Stake Holder:		
Description:	<p>The actor can view the state wise</p> <ul style="list-style-type: none"> • Veterinary Hospitals/Polyclinics • Veterinary Dispensaries • Veterinary aid centers/stockmen centers/Mobile dispensaries • And can further drill down till the village level details 	
Trigger:	View the Veterinary institutes all over India	
Pre conditions:	Login by authenticated user	
Post conditions:	<ul style="list-style-type: none"> • If the Actor is from Center the reports will be shown state wise and UT's wise. • If the Actor is from state the reports will be shown District Wise. • If the Actor is from District the Reports will be shown Block wise. • If the Actor is From Block the Reports will be shown of its own block. 	
Input:	Select Year-I and Year-II from the drop downs respectively, Click on “ view the veterinary instates report ” link button	
Output:	Desired report will be shown with the parameters like:- S. No., States/Union Territories, Veterinary Hospitals/ Veterinary Dispensaries, Veterinary Aid Center/ Stockmen Center/ Mobile Dispensaries, Total	
Normal Flow:	<p>Actor Actions</p> <p>The actor clicks on the related button view veterinary institutes state wise</p>	<p>System Responses</p> <p>Page opens up with desired Report</p>
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	<p>Actor Actions</p> <p>Drilling down for information not available/not fed to the system</p>	<p>System Response</p> <p>The system will throw error</p>

Includes other use case id	UC_23
UI: required/not required	Required
Priority: Low/medium/high	High
Frequency of Use: Continuous/frequent/ medium/ less/ rare	Frequent
Business Rules:	Drill down facility till the village level for inner /last level detailed information
Special Requirements:	"Drill down" for transparency
Assumptions:	Login by authenticated user
Dependency:	This Use Case is Dependent to the UC_23
Notes and Issues:	"Drill down" for transparency

3.4.23 Manage Center (Camps) at Block Level

Overview: In this the actor can Add, Update or Delete the new camps

Scope: - The Actor can add new camp or veterinary Centers.

Use Case ID:	UC_23
Use Case Name:	Manage Centers at Block Level
Feature ID	FEAT_23

Actors:	Block, District, State and Center user(Government and Non Government user)	
Stake Holder:		
Description:	The actor can fill in the detailed information for New Centers	
Trigger:	A Web Service will pull the fields from the NADRS Application's Block Level Application only if the actor is an state, district or block user.	
Pre conditions:	Login by authenticated user	
Post conditions:	Central level official cannot do modification and addition in the details If the Actor is from same level or from the upper level then only the target details pan gets visible and also modification or addition took place in other fields.	
Input:	There are certain parameters need to be filled which are stated below:- Location Details:- State, District, Rural, Block, Village Center Details:- Name OF the Center, Type of the Center, Start Date, End Date, Name of Institution Conducting the camp, Number of Prize Distributed, Remarks	
Output:	Record is Saved Successfully into the Database for MIS or Report Generation.	
Normal Flow:	<p>Actor Actions</p> <p>All the operations are Performed as those are achieved in NADRS Application.</p> <p>Web service will get the related data from get method and submits the related data with set method.</p>	<p>System Responses</p> <p>The record will be saved successfully</p>
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	<p>Actor Actions</p> <p>Mandatory fields not filled/ incomplete form submission</p>	<p>System Response</p> <p>System will throw an error highlighting the fault</p>

Includes other use case id	UC_22
UI: required/not required	Required
Priority: Low/medium/high	High
Frequency of Use: Continuous/frequent/ medium/ less/ rare	Frequent
Business Rules:	One block cannot see the data of the another block
Special Requirements:	Strict Data ownership
Assumptions:	Will use Get and Set Methods in Web services.
Dependency:	NADRS application
Notes and Issues:	Strict Data ownership

3.4.24 View the Import Export of livestock Products of AQCS Stations Report

Overview: This activity enables the actor to view the report on Import/ Export of livestock products of AQCS stations in India

Scope: The actor can view report the Import and Export of livestock products of AQCS stations in India specifying:

- Livestock Products
- Import
- Export

Drill down facility till the village level for inner /last level detailed information

Use Case ID:	UC_24
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Use Case Name:	View the report Import and Export of livestock products of AQCS stations in India
Feature ID	FEAT_24

Actors:	Block, District, State, Central level agencies and Admin
Stake Holder:	
Description:	<p>The actor can view the report on Import and Export of livestock products of AQCS stations in India specifying:</p> <ul style="list-style-type: none"> • Livestock Products • Import • Export <p>Drill down facility till the village level for inner /last level detailed information</p>
Trigger:	View the Livestock Population report all over India
Pre conditions:	Login by authenticated user
Post conditions:	<ul style="list-style-type: none"> • If the Actor is from Center the reports will be shown state wise and UT's wise. • If the Actor is from state the reports will be shown District Wise. • If the Actor is from District the Reports will be shown Block wise. • If the Actor is From Block the Reports will be shown of its own block.
Input:	Select first year and second year from the drop downs respectively, Click on "Import Export Details of Livestock & Livestock Products of AQCS Stations in India" link button
Output:	Desired report will be shown with the fields like:- SL. No., Livestock, Import, Export, Livestock Products

Normal Flow:	Actor Actions The actor clicks on the related button	System Responses Page opens up with desired Report
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions	System Response
Includes other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Drill down facility till the village level for inner /last level detailed information	
Special Requirements:	"Drill down" for transparency	
Assumptions:	Import Field will be in Numbers, Export Field will be in Numbers	
Dependency:	This Use Case depend on UC_25	
Notes and Issues:	"Drill down" for transparency	

3.4.25 Managing Import and Export of Livestock Products at Block Level

Overview: This activity enables the actor to fill the Import Export of livestock products of AQCS stations in India at block level.

Scope: The actor can view the Import Export of livestock products of AQCS stations in India at Block

Level specifying:

Livestock Products

- Import
- Export

Drill down facility till the village level for inner /last level detailed information

Use Case ID:	UC_25
Use Case Name:	Managing Import and Export of Livestock Products at Block level
Feature ID	FEAT_25

Actors:	Block, District, State, Central level agencies and Admin
Stake Holder:	
Description:	The actor can view the Import Export of livestock products of AQCS stations in India at Block Level specifying:
	<ul style="list-style-type: none"> • Livestock Products • Import • Export <p>Drill down facility till the village level for inner /last level detailed information</p>
Trigger:	Store the Data into the database
Pre conditions:	Login by authenticated user
Post conditions:	Central level official cannot do modification and addition in the details If the Actor is from same level or from the upper level then only the target details pan gets visible and also modification or addition took place in other fields.

Input:	There are certain inputs which are as follow :- Livestock species, Import, Export, Livestock Products type.	
Output:	The Record will be saved successfully into database and will be used for MIS and Report Generation.	
Normal Flow:	Actor Actions The actor fills in the detailed form	System Responses The record will be saved successfully
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Mandatory fields not filled/ incomplete form submission	System Response System will throw an error highlighting the fault
Includes other use case id	UC_24	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	One block cannot see the data of the another block	
Special Requirements:	Strict Data ownership	
Assumptions:	Login by authenticated user	
Dependency:		
Notes and Issues:	Strict Data ownership	

3.4.26 View the Species Wise Incidence of Livestock Diseases Report

Overview: This activity enables the actor to view the Species wise incidence of livestock diseases all over India

Scope: The actor can view the disease wise details showing

- Species
- Outbreak
- Attack
- Death

The diseases can be further be drilled down till the village level details for transparency in the report

Use Case ID:	UC_26
Use Case Name:	View the Species Wise Incidence of Livestock Diseases all over India
Feature ID	FEAT_26

Actors:	Block, District, State, Central level agencies and Admin
Stake Holder:	
Description:	<p>The actor can view the disease wise details showing</p> <ul style="list-style-type: none"> • Species • Outbreak • Attack • Death <p>The diseases can be further be drilled down till the village level details for transparency in the report</p>
Trigger:	View the Species wise incidence of livestock diseases
Pre conditions:	Login by authenticated user

Post conditions:	<ul style="list-style-type: none"> • If the Actor is from Center the reports will be shown state wise and UT's wise. • If the Actor is from state the reports will be shown District Wise. • If the Actor is from District the Reports will be shown Block wise. • If the Actor is From Block the Reports will be shown of its own block. 	
Input:	Select Starting Date, Month & year and End Date, Month & year from the drop downs respectively, Click on "View the Species wise incidence of livestock disease" link button	
Output:	Desired report will be shown with the parameters like:- Sl. No. Disease, Species, Outbreak, Attack, Death, Total	
Normal Flow:	<p>Actor Actions</p> <p>The actor clicks on the related button</p>	<p>System Responses</p> <p>Page opens up with desired Report</p>
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions	System Response
Includes other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	

Business Rules:	Drill down facility till the village level for inner /last level detailed information
Special Requirements:	“Drill down” for transparency
Assumptions:	The census will be in Million nos.
Dependency:	This Use Case is Dependent on UC_27, UC_28
Notes and Issues:	“Drill down” for transparency & there will be “Total” field individually for the sum of Outbreak, Attack, and Death happened as per disease specifically.

3.4.27 Adding New Case Treatment in the Center at Block Level

Overview: This activity enables the actors to fill in the details of the AI done by the agencies at the village level

Scope: The actor can fill the details related to case treatment at the block level.

Use Case ID:	UC_27
Use Case Name:	Managing Veterinary Services at Block Level
Feature ID	FEAT_3

Actors:	Block, District, State and Center user(Government and Non Government user)
Stake Holder:	
Description:	The actor can fill in the detailed of Case Treatment took place.
Trigger:	A Web Service will pull the fields from the NADRS Application’s Block Level Application only if the actor is a state, district or block user.
Pre conditions:	Login by authenticated user

<p>Post conditions:</p>	<p>Central level official cannot do modification and addition in the details</p> <p>If the Actor is from same level or from the upper level then only the target details pan gets visible and also modification or addition took place in other fields.</p>	
<p>Input:</p>	<p>There are certain parameters need to be filled which are stated below:-</p> <p>Location Details:- State, District, Rural, Block, Village</p> <p>Center Details:- Veterinary Center, Date</p> <p>Animal And Case Details: - Date, Farmer, Animal, Medical, Animal Breed, Surgical, Gynecological, Infertility, Castration, De-Worming, Others.</p> <p>Medical Details: - Circulatory System, Congeatial Disease, Deficiency Diseases, Digestive Disease, Metabolic Disorders, Helmioithasis.</p> <p>Gynecological Details:- Abortion, Retention of Placnta, Dystorea, Utrine/Vaguinal Prolapse, Ntesine Torscan, Vaguities.</p> <p>Infertility Details:- Anoestian, Cystic Ovary, Delayed Ovulation, Metutes, Suboeshain, Infantile Geuitalia.</p> <p>Castration Details:- Closed Method, Open Mehtod, Vaccination, Infecateen Diseases, Vaccination.</p> <p>De-Worming</p> <p>Others.</p>	
<p>Output:</p>	<p>Record is Saved Successfully into the Database for MIS or Report Generation.</p>	
<p>Normal Flow:</p>	<p>Actor Actions</p> <p>All the operations are Performed as those are achieved in NADRS Application.</p> <p>Web service will get the related data from get method and submits the related data with set method.</p>	<p>System Responses</p> <p>The record will be saved successfully</p>
<p>Alternative Flow:</p>	<p>Actor Actions</p>	<p>System Responses</p>

Exceptional Flow:	Actor Actions Mandatory fields not filled/ incomplete form submission	System Response System will throw an error highlighting the fault
Includes other use case id	UC_26	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	One block cannot see the data of the another block	
Special Requirements:	Strict Data ownership	
Assumptions:	Will use Get and Set Methods in Web services.	
Dependency:	NADRS application and This use case will be dependent on UC_26	
Notes and Issues:	Strict Data ownership	

3.4.28 New Vaccination in the Centers at Block Level

Overview: This activity enables the actors to fill in the details of vaccination done in the Center.

Scope: The actor can fill in the Details of Vaccination at Block Level

Use Case ID:	UC_28
Use Case Name:	Managing Vaccination at the Block Level
Feature ID	FEAT_28

Actors:	Block, District, State and Center user(Government and Non Government user)
Stake Holder:	
Description:	The actor can fill in the Details of Vaccination at Block Level
Trigger:	A Web Service will pull the fields from the NADRS Application's Block Level Application only if the actor is an state, district or block user.
Pre conditions:	Login by authenticated user
Post conditions:	Central level official cannot do modification and addition in the details If the Actor is from same level or from the upper level then only the target details pan gets visible and also modification or addition took place in other fields.
Input:	There are certain parameters need to be filled which are stated below:- Location Details: - State, District, Rural/Urban, Block, Village. Center Details:- Veterinary Center, Date Animal 1 :- Animal 1, Vaccine 1, No of Animal Affected 1, No of Animal Vaccinated 1 Animal 2:- Animal 2, Vaccine 2, No of Animal Affected 2, No of Animal Vaccinated 2 Animal 3 :- Animal 3, Vaccine 3, No of Animal Affected 3, No of Animal Vaccinated 3 Animal 4 :- Animal 4, Vaccine 4, No of Animal Affected 4, No of Animal Vaccinated 4 Animal 5 :- Animal 5, Vaccine 5, No of Animal Affected 5, No of Animal Vaccinated 5 Target Details: - Center Name, Target, Parent Target, Start Date, End Date..
Output:	Record is Saved Successfully into the Database for MIS or Report Generation.

Normal Flow:	<p>Actor Actions</p> <p>All the operations are Performed as those are achieved in NADRS Application.</p> <p>Web service will get the related data from get method and submits the related data with set method.</p>	<p>System Responses</p> <p>The record will be saved successfully</p>
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	<p>Actor Actions</p> <p>Mandatory fields not filled/ incomplete form submission</p>	<p>System Response</p> <p>System will throw an error highlighting the fault</p>
Includes other use case id	UC_26	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	One block cannot see the data of the another block	
Special Requirements:	Strict Data ownership	
Assumptions:	Will use Get and Set Methods in Web services.	
Dependency:	NADRS application and This use case will be dependent on UC_26	
Notes and Issues:	Strict Data ownership	

3.4.29 View Districts under the Scheme “LIVE STOCK INSURANCE” Report

Overview: This activity enables the actor to view the districts under the scheme “LIVE STOCK INSURANCE” all over India

Scope: The actor can view the district wise & can further drill down till the village level details

Use Case ID:	UC_15
Use Case Name:	View districts under the scheme “LIVE STOCK INSURANCE” all over India
Feature ID	FEAT_15

Actors:	Block, District, State, Central level agencies and Admin
Stake Holder:	
Description:	The actor can view the district wise & can further drill down till the village level details
Trigger:	View the districts under the scheme “LIVE STOCK INSURANCE”
Pre conditions:	Login by authenticated user
Post conditions:	<ul style="list-style-type: none"> • If the Actor is from Center the reports will be shown state wise and UT’s wise. • If the Actor is from state the reports will be shown District Wise. • If the Actor is from District the Reports will be shown Block wise. • If the Actor is From Block the Reports will be shown of its own block.
Input:	Select State Name from the state drop down, Click on “List of 300 Selected Districts under the Schemes ‘Livestock Insurance’” link button,
Output:	Desired report will be shown with the parameters like:-S. No. , Name of Districts.

Normal Flow:	Actor Actions The actor clicks on the related button	System Responses Page opens up with desired Report
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions	System Response
Includes other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Drill down facility till the village level for inner /last level detailed information	
Special Requirements:	"Drill down" for transparency	
Assumptions:		
Dependency:	This Use Case is Dependent on UC_30	
Notes and Issues:	"Drill down" for transparency	

3.4.30 Managing Livestock and Poultry Insurance details at Block Level

Overview: This activity enables the actors to fill in the details of the Livestock and Poultry Health

Management Activities used by the agencies at the village level

Scope: The actor can fill in the detailed information for the Livestock and Poultry Insurance details per centre.

This includes:

- Term and conditions
- Insurance companies details
- Insured animal's details
- Insurances and claims
- Insurance premium

Use Case ID:	UC_30
Use Case Name:	Managing Livestock and Poultry Insurance details at Block Level
Feature ID	FEAT_30

Actors:	Block, District, State, Central level agencies and Admin
Stake Holder:	
Description:	<p>The actor can fill in the detailed information for the Livestock and Poultry Insurance details per centre.</p> <p>This includes:</p> <ul style="list-style-type: none"> • Term and conditions • Insurance companies details • Insured animal's details • Insurance premium • Insurances and claims
Trigger:	Fill in the detailed information for the Livestock and Poultry Insurance details which will get stored into database with help of NADRS application via Web services via get and set methods.
Pre conditions:	Login by authenticated user

Post conditions:	<p>Central level official cannot do modification and addition in the details</p> <p>If the Actor is from same level or from the upper level then only the target details pan gets visible and also modification or addition took place in other fields.</p>	
Input:	<p>Location Details: - State, District, Rural/Urban, Veterinary Center, Village, block.</p> <p>Insurance/Claim*</p> <p>Insurance Details: - Company Name, Policy, Date, Animal, No. Of Animal Insured, Premium Collected From Farmer's.</p> <p>Claims Details: - Company Name, Policy, Date, Animal, No. of Claims settled, and Amount Settled.</p> <p>Insurance Target:- To Veterinary Center, Created By, Start Date, End Date, Parent Target, Target</p>	
Output:	<p>The record will be saved successfully into the database for MIS and Report Generation.</p>	
Normal Flow:	<p>Actor Actions</p> <p>The actor fills in the Summary form which</p>	<p>System Responses</p> <p>The record will be saved successfully</p>
Alternative Flow:	<p>Actor Actions</p>	<p>System Responses</p>
Exceptional Flow:	<p>Actor Actions</p> <p>Mandatory fields not filled/ incomplete form submission</p>	<p>System Response</p> <p>System will throw an error highlighting the fault</p>
Includes other use case id	<p>UC_29</p>	
UI: required/not required	<p>Required</p>	
Priority: Low/medium/high	<p>High</p>	

Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	One block cannot see the data of the another block
Special Requirements:	Strict Data ownership
Assumptions:	Access to the NADRS Block Level Application.
Dependency:	NADRS Block Level Applications
Notes and Issues:	Strict Data ownership

3.4.31 **Managing Stocks at Block level**

Overview: Managing Stocks and Stocks related issues at the block level

Scope: Actor Can:

Manage Information related to:

- Stock
- Adding Stock Ledger Details
- Adding Stock Ledger Details while Transaction Type is Utilized
- Adding Stock Ledger Details While Transaction Type is Damaged
- Adding Stock Ledger Details While Transaction Type is Disposed
- Stock Issued
- Stock Received

Use Case ID:	UC_31
Use Case Name:	Managing Stocks at Block Level
Feature ID	FEAT_31

Actors:	Block level Government Bodies
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Stake Holder:	
Description:	<p>The actor can:</p> <p>Actor Can:</p> <ul style="list-style-type: none"> • Manage Information related to: • Stock • Adding Stock Ledger Details • Adding Stock Ledger Details while Transaction Type is Utilized • Adding Stock Ledger Details While Transaction Type is Damaged • Adding Stock Ledger Details While Transaction Type is Disposed • Stock Issued • Stock Received
Trigger:	Web services will be initiated to achieve fields and parameters from NADRS block level application through get method and will also store the records into the database via set method of web services.
Pre conditions:	login required
Post conditions:	Application will be submitted successfully.

<p>Input:</p>	<p>Stock :- State, Rural/Urban, Block, District, Village, Stock Type, Vaccine Name, Centre, Total Stock</p> <p>Adding Stock Ledger Details :- Date ,Article Name, Centre, Financial Year, Transaction Type, Quantity, Issuing Authority, Commercial eggers parent stock, Rearing of Parent Stock Eggers, Rearing of parent Stock Broilers.</p> <p>Adding Stock Ledger Details while Transaction Type is Utilized:- Utilized</p> <p>Adding Stock Ledger Details While Transaction Type is Damaged:- Reason Of Damage</p> <p>Adding Stock Ledger Details While Transaction Type is Disposed:-Rejection Reason, Date of Purchased, Date of Dispose, Sold, Purchase Cost, How Disposed off, How Replaced?</p> <p>Stock Issued :- Date, Send To, Send Quantity, Issuing Authority, Article Name, Available Quantity, Financial Year</p> <p>Stock Received:- Date, Financial Year, Received From, Quantity Issued, Quantity Received, Damaged, Article Name, Status, Reason For Damage, Receiving Authority</p>	
<p>Output:</p>	<p>Records are successfully stored for MIS and Report Generation.</p>	
<p>Normal Flow:</p>	<p>Actor Actions</p> <p>Submit application</p>	<p>System Responses</p> <p>Application will reach the concerned user successfully</p>
<p>Alternative Flow:</p>	<p>Actor Actions</p>	<p>System Responses</p>
<p>Exceptional Flow:</p>	<p>Actor Actions</p> <p>Mandatory fields not filled</p>	<p>System Responses</p> <p>The system will throw error</p>
<p>Includes other use case id</p>		
<p>UI: required/not required</p>	<p>Required</p>	

Priority: Low/medium/high	High
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	This application will reach the concerned user
Special Requirements:	
Assumptions:	Login required, Some of the fields will be called through NADRS application and rest of them will be taken by its own.
Dependency:	NADRS Block level application and web services
Notes and Issues:	login is required

3.4.32 View Stocks Report

Overview: The Actor can View Stocks related Reports

- Stock
- Stock Ledger Details
- Stock Ledger Details while Transaction Type is Utilized
- Stock Ledger Details While Transaction Type is Damaged
- Stock Ledger Details While Transaction Type is Disposed
- Stock Issued
- Stock Received

Scope: Actor can:

- Manage Stocks related
- View Summary Reports
- Drill Down facility

Use Case Name:	View Stocks report
Feature ID	FEAT_32

Actors:	Block ,District, state , central, level agencies & admin
Stake Holder:	
Description:	<p>Actor Can: Manage Information related to:</p> <p>View Summary Reports and Drill Down facility</p> <ul style="list-style-type: none"> • Stock • Stock Ledger Details • Stock Ledger Details while Transaction Type is Utilized • Stock Ledger Details While Transaction Type is Damaged • Stock Ledger Details While Transaction Type is Disposed • Stock Issued • Stock Received
Trigger:	Web services will be initiated to achieve fields and parameters from NADRS block level application through get method and will also store the records into the database via set method of web services.
Pre conditions:	login required
Post conditions:	<ul style="list-style-type: none"> • If the Actor is from Center the reports will be shown state wise and UT's wise. • If the Actor is from state the reports will be shown District Wise. • If the Actor is from District the Reports will be shown Block wise. • If the Actor is From Block the Reports will be shown of its own block.
input	Check on “ view stock report “ link button

<p>output:</p>	<p>A Report Will open with the following parameters:-</p> <p>Stock :- State, Rural/Urban, Block, District, Village, Stock Type, Vaccine Name, Centre, Total Stock</p> <p>Adding Stock Ledger Details :- Date ,Article Name, Centre, Financial Year, Transaction Type, Quantity, Issuing Authority, Commercial eggers parent stock, Rearing of Parent Stock Eggers, Rearing of parent Stock Broilers.</p> <p>Adding Stock Ledger Details while Transaction Type is Utilized:- Utilized</p> <p>Adding Stock Ledger Details While Transaction Type is Damaged:- Reason Of Damage</p> <p>Adding Stock Ledger Details While Transaction Type is Disposed:-Rejection Reason, Date of Purchased, Date of Dispose, Sold, Purchase Cost, How Disposed off, How Replaced?</p> <p>Stock Issued :- Date, Send To, Send Quantity, Issuing Authority, Article Name, Available Quantity, Financial Year</p> <p>Stock Received:- Date, Financial Year, Received From, Quantity Issued, Quantity Received, Damaged, Article Name, Status, Reason For Damage, Receiving Authority</p>	
<p>Normal Flow:</p>	<p>Actor Actions</p> <p>Submit application</p>	<p>System Responses</p> <p>Application will reach the concerned user successfully</p>
<p>Alternative Flow:</p>	<p>Actor Actions</p>	<p>System Responses</p>
<p>Exceptional Flow:</p>	<p>Actor Actions</p> <p>Mandatory fields not filled</p>	<p>System Responses</p> <p>The system will throw error</p>
<p>Includes other use case id</p>	<p>UC_31</p>	
<p>UI: required/not required</p>	<p>Required</p>	

Priority: Low/medium/high	High
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	This application will reach the concerned user
Special Requirements:	
Assumptions:	Login required, Some of the fields will be called through NADRS application and rest of them will be taken by its own.
Dependency:	NADRS Block level application and it is also dependent to UC_31
Notes and Issues:	login is required

3.4.33 **Extension Services/ Practices**

Overview: This activity enables the actors to view the extension services and practices

Scope: The actor will be redirected to the agricoop.nic.in

Use Case ID:	UC_33
Use Case Name:	View Extension Services /Practices
Feature ID	FEAT_33

Actors:	Government and Non Government user
Stake Holder:	

Description:	The actor can view the extension services and practices	
Trigger:	view the extension services and practices	
Pre conditions:	No Login is required.	
Post conditions:	Server should respond.	
Input:	Click on “Extension Services/ Practices” Link Button.	
Output:	www.agricoop.nic.in will get open.	
Normal Flow:	Actor Actions Click operation and redirected to www.agricoop.nic.in	System Responses Redirected to the related ink
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions	System Response
Includes other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Routed to www.agricoop.nic.in website.	

Special Requirements:	
Assumptions:	
Dependency:	
Notes and Issues:	

3.4.34 Grievance Management

Overview: This activity enables the actors to submit their grievances

Scope: The actor can:

Submit their grievances through NADRS application via web services.

Use Case ID:	UC_34
Use Case Name:	Grievance Management
Feature ID	FEAT_34

Actors:	Government and Non Government user
Stake Holder:	
Description:	The actor can : Submit their Grievances through NADRS Application via Web Services
Trigger:	Submit grievances
Pre conditions:	Login by authenticated user
Post conditions:	

Input:	Fill in grievance form with the inputs like :- Name, Address, Telephone, Email, Fax Number, Department, Description, Subject.	
Output:	Submitted successfully	
Normal Flow:	Actor Actions Fill in grievance form	System Responses Submitted successfully
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Mandatory fields not filled	System Response System will throw error
Includes other use case id	UC_1	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Grievance is directed to specific Department	
Special Requirements:	Department field must not be empty.	
Assumptions:	No Login is required.	
Dependency:	IT depends on UC_1	
Notes and Issues:	All Fields must be filled	

3.4.35 Registration by the Expert Advisory

Overview: This activity enables the actor to register itself as an Expert Advisory in its “Area of expertise” with the system.

Scope: The actor needs to define the “Area of expertise” while registration so that the related queries can be redirected accordingly. The system allows him to respond back to the related queries.

Use Case ID:	UC_35
Use Case Name:	Registration by the Expert Advisory
Feature ID	FEAT_35

Actors:	Expert Advisory	
Stake Holder:		
Description:	This activity enables the actor to register itself as an Expert Advisory in its “Area of expertise” with the system.	
Trigger:	Registration	
Pre conditions:	No login required	
Post conditions:	Related information will be opened /The query is submitted successfully	
Input:	Registration form with the parameters like , User Type, User Type, Name, Password, Mobile, Phone Number, Address, District, State, Block, Division, Id Proof, , Gov. ID Number, Department, Designation, Activity	
Output:	The user will be created successfully	
Normal Flow:	<p>Actor Actions</p> <p>The actor submits Registration form</p>	<p>System Responses</p> <p>The user will be created successfully</p>

Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Mandatory fields not filled/ incomplete form submission i.e. "Area of expertise is mandatory"	System Response System will throw an error highlighting the fault
Includes other use case id	UC_40	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Only Department Specific queries will be redirected to the department specific or domain specific expert advisors	
Special Requirements:	"Field of expertise" matching	
Assumptions:	No login required: service is open to all	
Dependency:	This use case depends on the UC_40	
Notes and Issues:	"Field of expertise" matching	

3.4.36 Seeks for Expert Advisory

Overview: This Enables the Normal User to seek the Expert Advisory.

Scope: The Actor can seek for an expert advice

Use Case ID:	UC_36
Use Case Name:	Seeks for Expert Advisory
Feature ID	FEAT_36

Actors:	Expert advisor	
Stake Holder:		
Description:	The actor can seek for the Expert Advice related to his needs.	
Trigger:	Will enter the Data into the database and will provide that data in other forms.	
Pre conditions:	No login required	
Post conditions:	All Fields are filled.	
Input:	The List of Expert Advisory details opens with the parameters like: - Name, Address, Expert Advisory Type, Type Of Circumstances, Expert Advisory on, Description, Phone Number, Email, Date, Notification, Verification Id Number, Click on Submit Button	
Output:	The Out will be shown with the parameter like:- Confirmation of Submission of Expert Advisory	
Normal Flow:	Actor Actions The actor Submit the query	Will reach the related user's end successfully report advisory
Alternative Flow:	Actor Actions	System Responses

Exceptional Flow:	Actor Actions Mandatory fields not filled	System Response The system will throw error
Includes other use case id	UC_40	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Anyone can Submit Expert Advisory form.	
Special Requirements:	"Field of expertise" matching	
Assumptions:	login required: service is open to all	
Dependency:	This use case depends on the UC_40	
Notes and Issues:	"Field of expertise" matching	

3.4.37 View Expert Advisory Query for Expert Advisor

Overview: This provides a View of Expert Advisory for the Expert Advisor.

Scope: The actor can view the Expert Advisory which are already given and also those which are pending.

Use Case ID:	UC_37
Use Case Name:	View Expert Advisory Query for Expert Advisor
Feature ID	FEAT_37

Actors:	Expert advisor	
Stake Holder:		
Description:	The actor can view the queries matching their "Area of Expertise".	
Trigger:	View queries	
Pre conditions:	login required	
Post conditions:	Identify that which query is answered and which is not.	
Input:	Click on "View Expert Advisory query to Expert Advisor".	
Output:	The List of Expert Advisory details opens with the parameters like: - Name, Address, Expert Advisory Type, Type Of Circumstances, and Expert Advisory on, Description, Phone Number, Email, Date, and Notification.	
Normal Flow:	Actor Actions The actor can view for query	Will be available for the actor successfully
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Mandatory fields not filled	System Response The system will throw error
Includes other use case id	UC_40	

UI: required/not required	Required
Priority: Low/medium/high	High
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	Only the experts with matched "Area of Expertise" will be able to view
Special Requirements:	"Field of expertise" matching
Assumptions:	login required: service is open to all
Dependency:	This use case depends on the UC_40
Notes and Issues:	"Field of expertise" matching

3.4.38 Answering the Expert Advisory query

Overview: This activity enables the actors to reply to the Expert Advisory seekers.

Scope: The actor can revert back to the queries matching their "Area of Expertise".

Use Case ID:	UC_38
Use Case Name:	Answering the Expert Advisory query
Feature ID	FEAT_38

Actors:	Expert Advisory
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Stake Holder:		
Description:	The actor can revert back to the queries matching their “Area of Expertise”.	
Trigger:	Answer queries through SMS, Email, and link butt	
Pre conditions:	login required	
Post conditions:	Related query information will be opened /The reply to query is submitted successfully	
Input:	Name, Address, Expert Advisory Type, Type of Circumstances, Expert Advisory on, Description, Phone Number, Email, Date, answer, Name of the Expert Advisor, Advisory Contact Number, Designation, Department Name, Govt. Unique Id, Submit the reply	
Output:	Will reach the related user’s end successfully	
Normal Flow:	Actor Actions The actor Submit the reply	Will reach the related user’s end successfully
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Mandatory fields not filled	System Response The system will throw error
Includes other use case id	UC_40	
UI: required/not required	Required	
Priority: Low/medium/high	High	

Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	Only the experts with matched "Area of Expertise" will be able to view and reply
Special Requirements:	"Field of expertise" matching
Assumptions:	Login required.
Dependency:	This use case depends on the UC_40
Notes and Issues:	"Field of expertise" matching

3.4.39 View Expert Advisory Queries and their Answers Respectively

Overview: This will enable a normal user to view own and others Expert Advisory.

Scope: The Actor can view the entire Expert Advisory queries and their answers respectively

Use Case ID:	UC_39
Use Case Name:	View Expert Advisory queries and their Answers Respectively
Feature ID	FEAT_39

Actors:	Government and Non Government Bodies
Stake Holder:	
Description:	The actor can view the queries matching their "Area of Expertise".
Trigger:	View Queries can reply
Pre conditions:	No login required

Post conditions:	Related information will be opened /The query is submitted successfully	
Input:	Select Expert Advisory Type, Type of Circumstances and Expert Advisory on from related drop down lists, Click on “View Expert Advisory queries and their Answers Respectively” link button	
Output:	Expert Advisory Type, Type of Circumstances, Expert Advisory on, Description, Phone Number, Email, Date, answer, Name of the Expert Advisor, Advisory Contact Number, Designation, Department Name, Govt. Unique Id.	
Normal Flow:	Actor Actions The actor Submit the reply	Will reach the related user’s end successfully
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Mandatory fields not filled	System Response The system will throw error
Includes other use case id	Uc_40	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Only the experts with matched “Area of Expertise” will be able to view	
Special Requirements:	No Special Requirements	

Assumptions:	No login required.
Dependency:	This use case depends on the UC_40
Notes and Issues:	No Notes

3.4.40 ***View Information and Expert Advisory Topics during Different Circumstances***

Overview: It enables the actor to see the information and Expert Advisory under Different Circumstances.

Scope: The Actor Can see Topics under Different Circumstances such as:-

Normal Circumstances:

- Information and Expert Advisory on Animal Diseases
- Information and Expert Advisory On Superior breed of Livestock/Poultry
- Information and Expert Advisory On Livestock Management Practices
- Information and Expert Advisory On Poultry management practices
- Information and Expert Advisory On Feeds, fodder, fodder seeds, cuttings and saplings
- Information and Expert Advisory On Centrally Sponsored Schemes
- Information and Expert Advisory On Zoonotic Diseases
- Information and Expert Advisory On Market & Marketing of Farm products
- Information and Expert Advisory On State Government Sponsored Schemes
- Information and Expert Advisory on various Management Services /Practices
- Information On Feed and Fodder management activities Preparedness for drought

Drought Circumstances:

- Information and Expert Advisory On Disaster management Activities during Drought circumstances
- Information and Expert Advisory On Availability of emergency veterinary services during Drought
- Information and Expert Advisory On Feed, fodder and medicines during drought
- Information and Expert Advisory On Carcass disposal facilities during drought
- Information and Expert Advisory On Rehabilitation of affected livestock during drought
- Information on Feed and Fodder management activities Preparedness for drought
- Information and Expert Advisory On Available nearest sources of feed and fodder during drought
- Information and Expert Advisory On Available sources of drinkable water during drought
- Information and Expert Advisory On Available sources of succulent fodder and market prices during Drought
- Information and Expert Advisory On Fodder to be fed to the livestock during drought

- Information and Expert Advisory on housing and sanitation system during drought
- Information and Expert Advisory on vaccination and medicament during drought

Flood Circumstances

- Information and Expert Advisory On vaccination of livestock and birds during flood
- Information and Expert Advisory on Available sources of feeds and fodder during flood circumstances
- Information and Expert Advisory On locally available grass and fodder during flood circumstances
- Information and Expert Advisory on treatment of water for drinking purpose during Flood
- Information and Expert Advisory on sanitation during flood circumstances
- Information and Expert Advisory on feed supplement to be incorporated with feeds during flood

Epidemic Circumstances

Information and Expert Advisory on type of Epidemic, control and prevention

Use Case ID:	UC_40
Use Case Name:	View Information and Expert Advisory topics During Different Circumstances
Feature ID	FEAT_40

Actors:	Government and Non government bodies
Stake Holder:	

Description:

Actor Can see Topics under Different Circumstances such as :-

Normal Circumstances:

- Information and Expert Advisory on Animal Diseases

	<ul style="list-style-type: none"> • Information and Expert Advisory On Available sources of succulent fodder and market prices during Drought • Information and Expert Advisory On Fodder to be fed to the livestock during drought • Information and Expert Advisory on housing and sanitation system during drought • Information and Expert Advisory on vaccination and medicament during drought <p>Flood Circumstances</p> <ul style="list-style-type: none"> • Information and Expert Advisory On vaccination of livestock and birds during flood • Information and Expert Advisory on Available sources of feeds and fodder during flood circumstances • Information and Expert Advisory On locally available grass and fodder during flood circumstances • Information and Expert Advisory on treatment of water for drinking purpose during Flood • Information and Expert Advisory on sanitation during flood circumstances • Information and Expert Advisory on feed supplement to be incorporated with feeds during flood <p>Epidemic Circumstances</p> <ul style="list-style-type: none"> • Information and Expert Advisory on type of Epidemic, control and prevention
Trigger:	View the topics Can select the topic which he wants to see
Pre conditions:	No login required
Post conditions:	Related information will be opened /The query is submitted successfully

Input:	Click on “Information and Expert Advisory” link button. Select the Type of Circumstances and the topic for the Information and Expert Advisory from the drop down list respectively.	
Output:	The related information will be shown	
Normal Flow:	Actor Actions The actor clicks on the link Submit query and details	System Responses The related information will be shown Will reach the related expert successfully
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Mandatory fields not filled	System Response The system will throw error
Includes other use case id	UC_1	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Only related queries will be shown to the expert	
Special Requirements:	“Field of expertise” matching	
Assumptions:	No login required: service is open to all	
Dependency:	UC_1	
Notes and Issues:	“Field of expertise” matching	

3.4.41 Providing Information and Expert Advisory on Animal Diseases

Overview: This activity enables the actors to:

View information on various livestock diseases such as:

- Diseases of cattle
- Diseases of pigs
- Diseases of Sheep and Goat
- Disease of Poultry
- Disease of Duck
- Diseases of Domestic Livestock
- Diseases of wild animals
- Diseases of pet animals

Seek Expert Advisory help on any livestock related problem by simply submitting the query from its end. This will reach the related Expert Advisory with the same “Area of expertise”.

Scope: The actor can:

View disease related information including:

Can seek Information and Expert Advisory for any livestock and Poultry Disease related problems like

- Anthrax
- Rabbits
- Avian Influenza,
- Foot and Mouth Disease etc.

Use Case ID:	UC_41
Use Case Name:	Providing information and Expert Advisory on Animal Diseases
Feature ID	FEAT_41

Actors:	Government and Non government bodies
Stake Holder:	
Description:	<p>The actor can:</p> <p>View disease related information to :</p> <ul style="list-style-type: none"> • Diseases of cattle • Diseases of pigs • Diseases of Sheep and Goat • Disease of Poultry • Disease of Duck • Diseases of wild animals • Diseases of pet animals • Diseases of Domestic Livestock <p>Can seek Expert Advisory for any livestock related problem.</p> <ul style="list-style-type: none"> • Anthrax • Rabbis • Avian Influenza, • Foot and Mouth Disease etc.
Trigger:	<ul style="list-style-type: none"> • View information. • Seek Expert Advisory.
Pre conditions:	No login required
Post conditions:	Related information will be opened /The query is submitted successfully
Input:	<ul style="list-style-type: none"> • Select the Disease Name and Disease Type from the Drop Down lists Respectively & then Click on “Providing Information and Expert Advisory on Animal Diseases” Link Button. • Click on “ Seek Expert Advisory” link button

Output:	<p>The related information will be shown with the parameters like : The Form will contain parameters like Disease Name, Disease Type, Symptoms, Preventions, Cure, Measure, Species, Breed, Symptoms in humans, preventions for human, Disease Description, Do's And Don'ts, Source, Risks.</p> <p>“Seek Expert Advisory” form will get open.</p>	
Normal Flow:	<p>Actor Actions</p> <p>The actor clicks on the link</p> <p>Submit query and details</p>	<p>System Responses</p> <p>The related information will be shown</p> <p>Will reach the related expert successfully</p>
Alternative Flow:	<p>Actor Actions</p>	<p>System Responses</p>
Exceptional Flow:	<p>Actor Actions</p> <p>Mandatory fields not filled</p>	<p>System Response</p> <p>The system will throw error</p>
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Only related queries will be shown to the expert	
Special Requirements:	“Field of expertise” matching	
Assumptions:	No login required: service is open to all	

Dependency:	This use case depends on the UC_39
Notes and Issues:	“Field of expertise” matching

3.4.42 **Providing Information and Expert Advisory on Superior breed of Livestock/Poultry**

Overview: This activity enables the actors can View information on various On Superior breed of Livestock/Poultry such as:

- Superior Breeds of Livestock
- Breeds of Poultry and Duck
- Choices of Breed as per Location & Environment
- Sources of Breed (Livestock Poultry)

Seek Expert Advisory help On Superior breed of Livestock/Poultry related query by simply submitting the query from its end.

This will reach the related Expert Advisory with the same “Area of expertise”.

Scope: The actor can:

View information on various Superior breeds of Livestock/Poultry

Seek Expert Advisory help On Superior breed of Livestock/Poultry query

Use Case ID:	UC_42
Use Case Name:	Providing information and Expert Advisory On Superior Breed of Livestock/Poultry
Feature ID	FEAT_42

Actors:	Government and Non Government Bodies
Stake Holder:	

Description:	<p>The actor can:</p> <p>View information on various On Superior breed of Livestock/Poultry such as:</p> <ul style="list-style-type: none"> • Superior breeds of Livestock 	
	<ul style="list-style-type: none"> • Breeds of Poultry and Duck • Choices of Breed as per Location & Environment • Sources of Breed(livestock poultry) <p>Seek Expert Advisory</p>	
Trigger:	<ul style="list-style-type: none"> • View information • Seek Expert Advisory 	
Pre conditions:	No login required	
Post conditions:	Related information will be opened /The query is submitted successfully	
Input:	<ul style="list-style-type: none"> • Click on “Providing information and Expert Advisory On Superior breed of Livestock/Poultry” • Click on “ Seek Expert Advisory” link button 	
Output:	<ul style="list-style-type: none"> • The related information will be shown with the parameters like :- S. No., State, Species, Breed, Location, choices, Sources of breed, Location wise superiority of breeds, Perfect Cross Breeding as per Temperature. • “Seek Expert Advisory” form will get open. 	
Normal Flow:	<p>Actor Actions</p> <p>The actor clicks on the link</p> <p>Submit query and details</p>	<p>System Responses</p> <p>The related information will be shown</p> <p>Will reach the related expert successfully</p>
Alternative Flow:	<p>Actor Actions</p>	<p>System Responses</p>

Exceptional Flow:	Actor Actions Mandatory fields not filled	System Response The system will throw error
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Only related queries will be shown to the expert	
Special Requirements:	"Field of expertise" matching	
Assumptions:	No login required: service is open to all	
Dependency:	This Use Case Depends on Uc_39	
Notes and Issues:	"Field of expertise" matching	

3.4.43 **Providing information and Expert Advisory On Livestock Management Practices**

Overview: This activity enables the actors to:

View information on various On Livestock Management Practices that includes information on:

- Different farming system
- Different schemes for credit linkage.
- New Inventions Pertaining to the management of Livestock and Poultry.

Seek Expert Advisory help On Livestock Management Practices related query by simply submitting the query from its end.

This will reach the related Expert Advisory with the same “Area of expertise”.

Scope: The actor can:

View information on various On Livestock Management Practices

Seek Expert Advisory help On Livestock Management Practices query

Use Case ID:	UC_43
Use Case Name:	Providing information and Expert Advisory On Livestock Management Practices
Feature ID	FEAT_43

Actors:	Government and Non Government bodies
Stake Holder:	
Description:	<p>The actor can:</p> <p>View information on various On Livestock Management Practices that includes information on:</p> <ul style="list-style-type: none"> • Different farming system • Different schemes for credit linkage. • New Inventions Pertaining to the management of Livestock and Poultry. <p>Seek Expert Advisory help On Livestock Management Practices related query by simply submitting the query from its end.</p> <p>This will reach the related Expert Advisory with the same “Area of expertise”.</p>
Trigger:	<p>View information</p> <p>Seek Expert Advisory</p>

Pre conditions:	No login required	
Post conditions:	Related information will be opened /The query is submitted successfully	
Input:	Click on “Providing information and Expert Advisory On Livestock Management Practices” link button Click on “ Seek Expert Advisory” link button	
Output:	The related information will be shown with the parameters like: - S. No., Type of Farming, Best Practices for Farming, Different Schemers for available for Farming, Nutritional Requirement of livestock, Practices for Livestock Rearing, Market Availability for Sale/ Purchase of Livestock. Will open the Expert Advisory Form.	
Normal Flow:	Actor Actions The actor clicks on the link Submit query and details	System Responses The related information will be shown Will reach the related expert successfully
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Mandatory fields not filled	System Response The system will throw error
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	

Business Rules:	Only related queries will be shown to the expert seeker
Special Requirements:	"Field of expertise" matching
Assumptions:	No login required: service is open to all
Dependency:	This Use Case Depends on Uc_39
Notes and Issues:	"Field of expertise" matching

3.4.44 **Providing information and Expert Advisory On Poultry Management Practices**

Overview: This activity enables the actors to:

View information on various On Poultry management practices that includes information on:

- System of rearing
- Housing and sanitation
- Feeding Schedule
- Different schemes for credit linkage

Seek Expert Advisory help On Poultry management practices related query by simply submitting the query from its end.

This will reach the related Expert Advisory with the same "Area of expertise".

Scope: The actor can:

View information on various On Poultry management practices

Seek Expert Advisory help On Poultry management practices query

Use Case ID:	UC_44
Use Case Name:	Providing information and Expert Advisory On Poultry management practices
Feature ID	FEAT_44

Actors:	Government and Non government bodies
Stake Holder:	
Description:	<p>The actor can:</p> <p>View information on various On Poultry management practices that includes information on:</p> <ul style="list-style-type: none"> • System of rearing • Housing and sanitation • Feeding Schedule • Different schemes for credit linkage <p>Seek Expert Advisory help On Poultry management practices related query by simply submitting the query from its end.</p> <p>This will reach the related Expert Advisory with the same “Area of expertise”.</p>
Trigger:	<ul style="list-style-type: none"> • View information • Seek Expert Advisory
Pre conditions:	No login required
Post conditions:	Related information will be opened /The query is submitted successfully
Input:	<ul style="list-style-type: none"> • Click on “Providing information and Expert Advisory On Poultry management practices” link button • Click on “Seek Expert Advisory” link button.
Output:	<p>The related information will be shown with the parameters like:-</p> <p>S. No., Type of Rearing System, Advantages, Disadvantages, feeding Schedule, Area, Feeding Space, Watering Space, Age, Temperature, Schemes available for Poultry, Scheme name, Cleaning Practices, Innovative Techniques</p> <p>Will open the Expert Advisory Form.</p>

Normal Flow:	Actor Actions The actor clicks on the link Submit query and details	System Responses The related information will be shown Will reach the related expert successfully
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Mandatory fields not filled	System Response The system will throw error
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Only related queries will be shown to the expert or Seeker	
Special Requirements:	"Field of expertise" matching	
Assumptions:	No login required: service is open to all	
Dependency:	This Use Case Depends on Uc_39	
Notes and Issues:	"Field of expertise" matching	

3.4.45 Providing information and Expert Advisory on Feeds, Fodder,

Fodder Seeds, Cuttings and Saplings

Overview: This activity enables the actors to:

View information on various On Feeds, fodder, fodder seeds, cuttings and saplings that includes information on:

- Locally available Feeds and Fodder
- Location of Fodder block making unit
- Fodder seed production and distribution
- Location of animal feed unit
- Computation of feed
- Sources & Prices of Feed & Fodder
- Information on Feed testing laboratories
- Availability of Area specific mineral supplement, fodder seeds, cuttings and saplings
- Information on seasonal fodder
- Innovative Methods for fodder production, Conversation with plan

Seek Expert Advisory help on feeds, fodder, and fodder seeds, cuttings and saplings related query by simply submitting the query from its end.

This will reach the related Expert Advisory with the same “Area of expertise”.

Scope: The actor can:

View information on various On Feeds, fodder, fodder seeds, cuttings and saplings

Seek Expert Advisory help On Feeds, fodder, fodder seeds, cuttings and saplings related query.

Use Case ID:	UC_45
Use Case Name:	Providing information and Expert Advisory On Feeds, fodder, fodder seeds, cuttings and saplings
Feature ID	FEAT_45

Actors:	Government and Non government bodies
Stake Holder:	

Description:	<p>The actor can:</p> <p>View information on various On Feeds, fodder, fodder seeds, cuttings and saplings that includes information on:</p> <ul style="list-style-type: none"> • Locally available feeds and fodder • Location of fodder block making unit
	<ul style="list-style-type: none"> • Fodder seed production and distribution • Location of animal feed unit • Computation of feed • Sources & prices of feeds & Fodder • Information on Feed testing laboratories • Availability of Area specific mineral supplement, fodder seeds, cuttings and saplings. • Information on seasonal fodder. • Innovative Methods for fodder production, Conversation with plan <p>Seek Expert Advisory help On Feeds, fodder, and fodder seeds, cuttings and saplings related query by simply submitting the query from its end.</p> <p>This will reach the related Expert Advisory with the same “Area of expertise”.</p>
Trigger:	<ul style="list-style-type: none"> • View information • Seek Expert Advisory
Pre conditions:	No login required
Post conditions:	Related information will be opened /The query is submitted successfully
Input:	<p>Select State, District, Block, village from the Drop Down Lists respectively</p> <p>Click on “Providing information and Expert Advisory On Feeds, fodder, fodder seeds, cuttings and saplings” Link Button.</p> <p>Click on “Seek Expert Advisory” Link Button.</p>

Output:	<p>The related information will be shown with the parameters like :-</p> <p>Availability of Feed , Availability of Surplus Feed, Availability of Food, Availability of medicines, Availability of Buffer stock, Availability of Feed and Fodder, Availability of staff, Location wise Availability of fodder, Preferred Variety for the Area, Availability of seeds, Farming Practices, Cropping Calendar for fodder crops, Area Specific and Season specific nutritional requirements of livestock, Availability of Total Mixed ration for livestock, Post harvest techniques, Techniques of feed enrichment, Availability of livestock feed, Micronutrient mapping of soil, Availability of famine ration, Innovative techniques</p> <p>Will open the Expert Advisory form.</p>	
Normal Flow:	<p>Actor Actions</p> <p>The actor clicks on the link</p> <p>Submit query and details</p>	<p>System Responses</p> <p>The related information will be shown</p> <p>Will reach the related expert successfully</p>
Alternative Flow:	<p>Actor Actions</p>	<p>System Responses</p>
Exceptional Flow:	<p>Actor Actions</p> <p>Mandatory fields not filled</p>	<p>System Response</p> <p>The system will throw error</p>
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	

Business Rules:	Only related queries will be shown to the expert
Special Requirements:	“Field of expertise” matching
Assumptions:	No login required: service is open to all
Dependency:	This Use Case Depends on Uc_39
Notes and Issues:	“Field of expertise” matching

3.4.46 **Providing information and Expert Advisory On Centrally Sponsored Schemes**

Overview: This activity enables the actors to:

View information on various On Centrally Sponsored Schemes that includes information on:

- Centrally Sponsored Fodder and Feed Development Schemes for 2010-11.
- Centrally Sponsored Scheme Poultry Development (Rural backyard poultry Development Component
- Poultry Project under (100% Assistance to the state poultry farms by GOI)
- Commercial Broiler Raising Programme with Entrepreneurship Development in the Jorhat Township Periphery
- National Agricultural Development Programme (NADP).
- Rastriya Krishi Vigyan Yojna(RKVY).
- Assistance to State for Control of Animal Diseases (ASCAD)
- National Project on Cattle and Buffalo Breeding, Govt. of India (under Assam Livestock,
- Development Agency (ALDA).
- National Animal Disease Reporting System (NADRS)

Scope: The actor can:

View information on various Centrally Sponsored Schemes

Seek Expert Advisory help On Centrally Sponsored Schemes related queries

Use Case Name:	Providing information and Expert Advisory On Centrally Sponsored Schemes
Feature ID	FEAT_46

Actors:	Government and Non government bodies	
Stake Holder:		
Description:	<p>The actor can:</p> <p>View information on various On Centrally Sponsored Schemes that includes information on:</p> <p>Seek Expert Advisory help On Centrally Sponsored Schemes related query by simply submitting the query from its end.</p> <p>This will reach the related Expert Advisory with the same “Area of expertise”.</p>	
Trigger:	<p>View information: - A web service will fetch the information from Scheme Monitoring Application for the details of schemes.</p> <p>Seek Expert Advisory.</p>	
Pre conditions:	No login required	
Post conditions:	Related information will be opened /The query is submitted successfully	
Input:	<p>Click on “Providing information and Expert Advisory On Centrally Sponsored Schemes “Link Button.</p> <p>Click on “Seek Expert Advisory” Link Button.</p>	
Output:	<p>The related information will be shown with the parameters like: - S. No. , Scheme Name, Description, Year, State, Plan or Non-Plan, Sharing of Funds.</p> <p>Will open the Expert Advisory form</p>	
Normal Flow:	<p>Actor Actions</p> <p>The actor clicks on the link</p> <p>Submit query and details</p>	<p>System Responses</p> <p>The related information will be shown</p> <p>Will reach the related expert successfully</p>

Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Mandatory fields not filled	System Response The system will throw error
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Only related queries will be shown to the expert	
Special Requirements:	"Field of expertise" matching	
Assumptions:	No login required: service is open to all	
Dependency:	This Use Case Depends on Uc_39	
Notes and Issues:	"Field of expertise" matching	

3.4.47 **Providing information and Expert Advisory On Zoonotic Diseases**

Overview: This activity enables the actors to:

View information on various Zoonotic Diseases that includes information on:

- Cause

- Impact on human health
- Control measure

Scope: The actor can:

View information on various Zoonotic Diseases

Seek Expert Advisory help On Zoonotic Diseases related queries

Use Case ID:	UC_47
Use Case Name:	Providing information and Expert Advisory On Zoonotic Diseases
Feature ID	FEAT_47

Actors:	Government and Non government bodies
Stake Holder:	
Description:	<p>The actor can:</p> <p>View information on various On Zoonotic Diseases that includes information on:</p> <p>Seek Expert Advisory help On Zoonotic Diseases related query by simply submitting the query from its end.</p> <p>This will reach the related Expert Advisory with the same “Area of expertise”.</p>
Trigger:	<p>View information</p> <p>Seek Expert Advisory</p>
Pre conditions:	No login required
Post conditions:	Related information will be opened /The query is submitted successfully
Input:	<p>Click on “Providing Information & Expert Advisory on Zoonotic Diseases.” Link button</p> <p>Click on “Seek Expert Advisory”.</p>

Output:	<p>The related information will be shown with the parameters like: - Type of Disease, Description, Prevention, Control Measure, Symptoms, Bio-Security Measures, Vaccination Certificate/Card, affects on humans, symptoms in humans, cure for humans, practices to avoid such diseases.</p> <p>Will open the Expert Advisory form.</p>	
Normal Flow:	<p>Actor Actions</p> <p>The actor clicks on the link</p> <p>Submit query and details</p>	<p>System Responses</p> <p>The related information will be shown</p> <p>Will reach the related expert successfully</p>
Alternative Flow:	<p>Actor Actions</p>	<p>System Responses</p>
Exceptional Flow:	<p>Actor Actions</p> <p>Mandatory fields not filled</p>	<p>System Response</p> <p>The system will throw error</p>
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Only related queries will be shown to the expert	
Special Requirements:	"Field of expertise" matching	
Assumptions:	No login required: service is open to all	
Dependency:	This Use Case Depends on UC_39	

Notes and Issues:	"Field of expertise" matching
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3.4.48 **Providing information and Expert Advisory On Market & Marketing of Farm Products**

Overview: This activity enables the actors to:

View information on various On Market & Marketing of Farm products that includes information on:

- Dairy breeder
- Poultry breeder
- Broiler farmer
- Goat breeder
- Piggery farmer
- Duckery farmer
- Information about market
- Market price of various products
- Area specific Demand and supply of different product
- Recognized and Unrecognized but popular

Seek Expert Advisory help On Feeds, fodder, and fodder seeds, cuttings and saplings related query by simply submitting the query from its end.

This will reach the related Expert Advisory with the same "Area of expertise".

Scope: The actor can:

View information on various Market & Marketing of Farm products

Seek Expert Advisory help On Market & Marketing of Farm products related queries

Use Case ID:	UC_48
Use Case Name:	Providing information and Expert Advisory On Market & Marketing of Farm products
Feature ID	FEAT_48

Actors:	Government and Non Government bodies
Stake Holder:	
Description:	<p>The actor can:</p> <p>View information on various On Market & Marketing of Farm products that includes information on:</p> <ul style="list-style-type: none"> • Dairy breeder • Poultry breeder • Broiler farmer • Goat breeder • Piggery farmer • Duckery farmer <p>Seek Expert Advisory help On Market & Marketing of Farm products related query by simply submitting the query from its end.</p> <p>This will reach the related Expert Advisory with the same “Area of expertise”.</p>
Trigger:	<ul style="list-style-type: none"> • View information • Seek Expert Advisory
Pre conditions:	No login required
Post conditions:	Related information will be opened /The query is submitted successfully
Input:	<ul style="list-style-type: none"> • Click on “Providing information and Expert Advisory On Market & Marketing of Farm products” Link Button. • Click on “Seek Expert Advisory”
Output:	<p>The related information will be shown with the parameters like: - S. No., Nearest Market location, State, Type of market, Availability of products in the market, Cost, Area Specific Demand, Area Specific supply, Product name, Recognized/Unrecognized, Whole Sale rate, Retail price.</p> <p>Will open the Expert Advisory form.</p>

Normal Flow:	Actor Actions The actor clicks on the link Submit query and details	System Responses The related information will be shown Will reach the related expert successfully
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Mandatory fields not filled	System Response The system will throw error
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Only related queries will be shown to the expert and seeker	
Special Requirements:	"Field of expertise" matching	
Assumptions:	No login required: service is open to all	
Dependency:	This Use Case Depends on Uc_39	
Notes and Issues:	"Field of expertise" matching	

3.4.49 Providing information and Expert Advisory On State

Government Sponsored Schemes

Overview: This activity enables the actors to View information on various On State Government Sponsored Schemes that includes information on:

- Dairy
- Piggery
- Goatery
- Poultry
- Rabbit

Scope: The actor can View information on various State Government Sponsored Schemes

Seek Expert Advisory help On State Government Sponsored Schemes related queries.

Use Case ID:	UC_49
Use Case Name:	Providing information and Expert Advisory On State Government Sponsored Schemes
Feature ID	FEAT_49

Actors:	Government and Non government bodies
Stake Holder:	

<p>Description:</p>	<p>The actor can:</p> <p>View information on various On State Government Sponsored Schemes that includes information on:</p> <ul style="list-style-type: none"> • Dairy , • Piggery • Goatery • Poultry • Rabbit <p>Seek Expert Advisory help On State Government Sponsored Schemes related query by simply submitting the query from its end.</p> <p>This will reach the related Expert Advisory with the same “Area of expertise”.</p>
<p>Trigger:</p>	<ul style="list-style-type: none"> • Information will be fetched from NeGP service 8 Monitoring Implementation/ Evaluation of schemes and Program. • Seek Expert Advisory
<p>Pre conditions:</p>	<p>No login required</p>
<p>Post conditions:</p>	<p>Related information will be opened /The query is submitted successfully</p>
<p>Input:</p>	<ul style="list-style-type: none"> • Select Type of Schemes from Drop Down Lists respectively and Click on “Providing information and Expert Advisory On State Government Sponsored Schemes “Link button. • Click on “Seek Expert Advisory” Link Button.
<p>Output:</p>	<p>The related information will be shown with the parameters like: - S. No. , Implementing Agencies, Target Group Beneficiaries, Pattern of Assistance/funding, Year When the scheme started, Annual Outlay, Eligibility Condition, and Physical Target, Physical Achievement, Financial Achievement, Area of Coverage, Budget Estimation.</p> <p>Will open the “Expert Advisory Form”.</p>

Normal Flow:	Actor Actions The actor clicks on the link Submit query and details	System Responses The related information will be shown Will reach the related expert successfully
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Mandatory fields not filled	System Response The system will throw error
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Only related queries will be shown to the expert	
Special Requirements:	"Field of expertise" matching	
Assumptions:	No login required: service is open to all	
Dependency:	This Use Case is Dependent to UC_39	
Notes and Issues:	"Field of expertise" matching	

3.4.50 Information and Expert Advisory on various Livestock

Management Services /Practices

Overview: This activity enables the actors to:

View information on various on various Management Services /Practices such as:

- Calf Management Practices
- Housing Management Practices
- Feeding Management Practices
- Breeding Management Practices
- Health Management Practices
- Waste management practices

Scope: The actor can:

View information on various Management Services /Practices

Seek Expert Advisory help on various Management Services /Practices

Use Case ID:	UC_50
Use Case Name:	Information and Expert Advisory on various Management Services /Practices
Feature ID	FEAT_50

Actors:	Government and Non government bodies
Stake Holder:	

Description:	<p>The actor can:</p> <p>View information on various on various Management Services /Practices such as:</p> <ul style="list-style-type: none"> • Calf Management Practices • Housing Management Practices • Feeding Management Practices • Breeding Management Practices • Health Management Practices • Waste management practices
Trigger:	<p>View information</p> <p>Seek Expert Advisory</p>
Pre conditions:	<p>No login required</p>
Post conditions:	<p>Related information will be opened /The query is submitted successfully</p>
Input:	<ul style="list-style-type: none"> • Select Type of Management from the Drop down respectively and Click on “Information and Expert Advisory on various Management Services /Practices “Link Button. • Click on “Seek Expert Advisory” Link Button.

<p>Output:</p>	<p>The related information will be shown with the parameters like: -</p> <p>Calf Management: Early Management, Care, Management, Feeding Schedule, and Management Practices for Calf.</p> <p>Housing Management: S. No. , Management Practices for Housing, Location of Dairy Building, Topology and Drainage, Soil Type, Electricity, Exposure to the sun and protection from wind , Accessibility, Durability and attractiveness, Water supply, Surroundings, Facilities, labor, food, Advantages, Disadvantages, Sanitation, precautions, Procedure, other provisions.</p> <p>Feeding Management: - Management Practices for Feeding the animal, Feeding Schedule, Age , Body Weight, Concentrate Mixture (kg),Grass(kg), Paddy, straw(kg), Tips, Nutrient Requirement,</p>	
	<p>Breeding Management: Introduction, Management Practices for Breeding, System of Heat, Advantages, Disadvantages, Semen Collection Methods and Evaluation, Semen Storage, Insemination Method, Frozen Semen and storage, Increased Efficiency, Cost, Artificial Techniques, and Timing of A.I.</p> <p>Health Management: Health Management Practices, Treatment, Common Disease, Transmission, Control, Cause, Symptoms, Prevention, Vaccination Schedule.</p> <p>Waste management practices</p> <p>Application to the soil, Storage and drying: Solid and liquid separation, Compost: Reutilization of excreta as food for livestock species, Thumburmuzhy Model aerobic composting technique,Aerobic-biological treatment of liquid wastes</p> <p>Will open the Expert Advisory Form.</p>	
<p>Normal Flow:</p>	<p>Actor Actions</p> <p>The actor clicks on the link</p> <p>Submit query and details</p>	<p>System Responses</p> <p>The related information will be shown</p> <p>Will reach the related expert successfully</p>
<p>Alternative Flow:</p>	<p>Actor Actions</p>	<p>System Responses</p>

Exceptional Flow:	Actor Actions Mandatory fields not filled	System Response The system will throw error
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Only related queries will be shown to the expert	
Special Requirements:	"Field of expertise" matching	
Assumptions:	No login required: service is open to all	
Dependency:	This Use Case is Dependent to UC_39	
Notes and Issues:	"Field of expertise" matching	

3.4.51 **Providing information On Feed and Fodder Management Activities Preparedness for Drought**

Overview: This activity enables the actors to:

View information On Feed and Fodder management activities during drought circumstances / Preparedness

That includes information regarding:

- Preserving feed and fodder

- Adopting improved method of feeding
- Adopting silage making
- Adopting hay making
- Adopting water harvesting
- Adopting concentrate feeding practice
- Utilizing tree leaves
- Feeding of root crops
- Grazing in pastures
- Cultivating fodder crops
- Cultivating perennial grasses
- Enrichment of Wheat Straw with Urea and Molasses
- Preparation of feed at home with available resources

Scope: The actor can:

View information on Feed and Fodder management activities during Drought Circumstances / Preparedness

Use Case ID:	UC_51
Use Case Name:	Providing information On Feed and Fodder management activities Preparedness for drought
Feature ID	FEAT_51

Actors:	Government and Non government bodies
Stake Holder:	
Description:	The actor can: View information On Feed and Fodder management activities during Drought circumstances / Preparedness
Trigger:	View information Seek Expert Advisory
Pre conditions:	No login required
Post conditions:	Related information will be opened /The query is submitted successfully

Input:	Click on “information On Feed and Fodder management activities Preparedness for drought” link button. Click on “Seek Expert Advisory” link button.	
Output:	The related information will be shown with the parameters like :- Methods for preserving fodder, methods for improved feeding, advantages of hay making, advantages of water harvesting, methods for hay making, methods for water harvesting, utilization of available resources, methods for making mix feed, methods of feed making at home with available resources Will open the Expert Advisory form.	
Normal Flow:	Actor Actions The actor clicks on the link Submit query and details	System Responses The related information will be shown Will reach the related expert successfully
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions	System Response
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	

Business Rules:	Only related queries will be shown to the expert
Special Requirements:	“Field of expertise” matching
Assumptions:	No login required: service is open to all
Dependency:	This Use Case is Dependent to UC_39
Notes and Issues:	“Field of expertise” matching

3.4.52 **Providing information and Expert Advisory On Disaster management Activities during Drought Circumstances**

Overview: This activity enables the actors to:

View information on various On Disaster management Activities during Drought circumstances that includes information on Safety measures to be taken, medical support and survival techniques for the livestock.

Seek Expert Advisory help on Disaster management Activities during Drought circumstances by simply submitting the query from its end.

This will reach the related Expert Advisory with the same “Area of expertise”.

Scope: The actor can:

View information on various Disaster management Activities during Drought circumstances

Seek Expert Advisory help On Disaster management Activities during Drought circumstances related queries

Use Case ID:	UC_52
Use Case Name:	Providing information and Expert Advisory On Disaster Management Activities during Drought circumstances
Feature ID	FEAT_52

Actors:	Government and Non government bodies	
Stake Holder:		
Description:	<p>The actor can:</p> <p>View information on various On Disaster management Activities during Drought circumstances</p> <p>Seek Expert Advisory help On Disaster management Activities during</p>	
	<p>Drought circumstances related query by simply submitting the query from its end.</p> <p>This will reach the related Expert Advisory with the same “Area of expertise”.</p>	
Trigger:	<p>View information</p> <p>Seek Expert Advisory</p>	
Pre conditions:	No login required	
Post conditions:	Related information will be opened /The query is submitted successfully	
Input:	<p>Click on “Providing information and Expert Advisory On Disaster management Activities during Drought circumstances” link button</p> <p>Click on “Seek Expert Advisory” link button.</p>	
Output:	<p>The related information will be shown with the parameters like:- Type of Disaster, Tips, Help line, livestock shelter and settlement, provision of water, slaughter destocking, Nearest Care Center, Security measures, Do’s, Don’ts, Guidelines, Precautions.</p> <p>Will open the Expert Advisory Form.</p>	
Normal Flow:	<p>Actor Actions</p> <p>The actor clicks on the link</p> <p>Submit query and details</p>	<p>System Responses</p> <p>The related information will be shown</p> <p>Will reach the related expert successfully</p>
Alternative Flow:	<p>Actor Actions</p>	<p>System Responses</p>

Exceptional Flow:	Actor Actions Mandatory fields not filled	System Response The system will throw error
Includes other use case id	This Use Case is Dependent to UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Only related queries will be shown to the expert	
Special Requirements:	"Field of expertise" matching	
Assumptions:	No login required: service is open to all	
Dependency:	This Use Case is Dependent to UC_39	
Notes and Issues:	"Field of expertise" matching	

3.4.53 Providing information and Expert Advisory on Availability of Emergency Veterinary Services during Drought for Protecting and Rebuilding Livestock Assets through Preventing Death and Diseases in the Herd and Strengthening the Livestock Resistance to Drought

Overview: This activity enables the actors to:

View information on various on Availability of emergency veterinary services that includes

information on Protection, Rebuilding Livestock Assets through Preventing Death and Disease in the Herd & Strengthening the Livestock Resistance to Drought.

Seek Expert Advisory help on Availability of emergency veterinary services by simply submitting the query from its end.

This will reach the related Expert Advisory with the same “Area of expertise”.

Scope: The actor can:

View information on various Available emergency veterinary services

Seek Expert Advisory help On Availability of emergency veterinary services related queries

Use Case ID:	UC_53
Use Case Name:	Providing information and Expert Advisory on Availability of emergency veterinary services during Drought for protecting and rebuilding Livestock Assets through Preventing Death and Diseases in the Herd and Strengthening the Livestock resistance to Drought.
Feature ID	FEAT_53

Actors:	Government and Non government bodies
Stake Holder:	
Description:	<p>The actor can:</p> <p>View information on various On Availability of emergency veterinary services</p> <p>Seek Expert Advisory help On Availability of emergency veterinary services related query by simply submitting the query from its end.</p> <p>This will reach the related Expert Advisory with the same “Area of expertise”.</p>

Trigger:	View information Seek Expert Advisory	
Pre conditions:	No login required	
Post conditions:	Related information will be opened /The query is submitted successfully	
Input:	<ul style="list-style-type: none"> Select State and Location from the drop down lists respectively and Click on “Providing information and Expert Advisory On Availability of emergency veterinary services” Link button. Click on “Seek Expert Advisory “Link Button. 	
Output:	<p>The related information will be shown with the parameters like :- State, Location of veterinary centre, Capacity of Staff, Type of Staff, Phone number, Availability of Paramedics, Paramedics Name, Paramedics Mobile No., Paramedics Address, Kind Of Service Available, Help Line, In charge Veterinary doctor, Veterinary doctors mobile number.</p> <p>Will open the Expert Advisory form.</p>	
Normal Flow:	<p>Actor Actions</p> <p>The actor clicks on the link</p> <p>Submit query and details</p>	<p>System Responses</p> <p>The related information will be shown</p> <p>Will reach the related expert successfully</p>
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	<p>Actor Actions</p> <p>Mandatory fields not filled</p>	<p>System Response</p> <p>The system will throw error</p>
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	

Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	Only related queries will be shown to the expert
Special Requirements:	“Field of expertise” matching
Assumptions:	No login required: service is open to all
Dependency:	This Use Case is Dependent to UC_39
Notes and Issues:	“Field of expertise” matching

3.4.54 **Providing information and Expert Advisory On Feed, Fodder and Medicines during Drought**

Overview: This activity enables the actors to:

View information on various On Feed, fodder and medicines that includes information

Seek Expert Advisory help on feed, fodder and medicines related query by simply submitting the query from its end.

This will reach the related Expert Advisory with the same “Area of expertise”.

Scope: The actor can:

View information on various Feed, fodder and medicines

Seek Expert Advisory help On Feed, fodder and medicines related queries

- Breeds suitable for the area
- Nutritional Requirements of Livestock
- Availability of Feed and Fodder Advisory on famine ration

Use Case ID:	UC_54
Use Case Name:	Providing information and Expert Advisory On Feed, fodder and medicines

Feature ID	FEAT_54
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Actors:	Government and Non government bodies
Stake Holder:	
Description:	<p>The actor can:</p> <p>View information on various On Feed, fodder and medicines</p> <p>Seek Expert Advisory help On Feed, fodder and medicines related query by simply submitting the query from its end.</p> <p>This will reach the related Expert Advisory with the same “Area of expertise”.</p>
Trigger:	<p>View information</p> <p>Seek Expert Advisory</p>
Pre conditions:	No login required
Post conditions:	Related information will be opened /The query is submitted successfully
Input:	<p>Select location or Center Name from Drop Down Lists respectively and Click on “Providing information and Expert Advisory On Feed, fodder and medicines” Link Button.</p> <p>Click on “Seek Expert Advisory” Link Button.</p>
Output:	<p>The related information will be shown with the parameters like :-</p> <p>Availability of Stock, Availability of Medicines, Availability of Feed , Availability of Minikits, Availability of seeds, of Buffer Stock , famine rations, Type of Soil, Locally Available feeds and fodder, Sources, cost, Total number of tested samples, Test Result, Seasonal fodder, cultivation period, Availability of Staff, Name of the Medicine, Cost of the medicine, nearest location where fodder is available, Availability of sample feed, Center Name.</p> <p>Will reach the related expert successfully</p>

Normal Flow:	Actor Actions The actor clicks on the link Submit query and details	System Responses The related information will be shown Will reach the related expert successfully
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Mandatory fields not filled	System Response System will throw error
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Only related queries will be shown to the expert	
Special Requirements:	"Field of expertise" matching	
Assumptions:	No login required: service is open to all	
Dependency:	This Use Case is Dependent to UC_39	
Notes and Issues:	"Field of expertise" matching	

3.4.55 Providing information and Expert Advisory On Carcass

Disposal Facilities during Drought

Overview: This activity enables the actors to:

View information on various Carcass disposal facilities available in the nearest region of the farmer

Seek Expert Advisory help on Carcass disposal facilities related query by simply submitting the query from its end.

This will reach the related Expert Advisory with the same “Area of expertise”.

Scope: The actor can:

View information on various Carcass disposal facilities

Seek Expert Advisory help On Carcass disposal techniques/methods related queries

Use Case ID:	UC_55
Use Case Name:	Providing information and Expert Advisory On Carcass disposal techniques/methods
Feature ID	FEAT_55

Actors:	Government and Non government bodies
Stake Holder:	
Description:	<p>The actor can:</p> <p>View information on various Carcass disposal facilities available in the nearest region of the farmer.</p> <p>Seek Expert Advisory help On Carcass disposal techniques/methods related query by simply submitting the query from its end.</p> <p>This will reach the related Expert Advisory with the same “Area of expertise”.</p>
Trigger:	<p>View information</p> <p>Seek Expert Advisory</p>

Pre conditions:	No login required	
Post conditions:	Related information will be opened /The query is submitted successfully	
Input:	<ul style="list-style-type: none"> • Select Location from the drop down lists respectively and Click on “ Information and Expert Advisory on Carcass Disposal facilities” • Click on “Seek Expert Advisory” Link Button. 	
Output:	<p>The related information will be shown with the parameters like :- S. No., Applicable techniques/methods, kind of Species, Disposal Instructions, Location for Disposal, Final Disposal, others , Tips, No. of Disposals.</p> <p>Will reach the related expert successfully</p>	
Normal Flow:	<p>Actor Actions</p> <p>The actor clicks on the link</p> <p>Submit query and details</p>	<p>System Responses</p> <p>The related information will be shown</p> <p>Will reach the related expert successfully</p>
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions	System Response
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	

Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	Only related queries will be shown to the expert
Special Requirements:	“Field of expertise” matching
Assumptions:	No login required: service is open to all
Dependency:	This Use Case is Dependent to UC_39
Notes and Issues:	“Field of expertise” matching

3.4.56 **Providing information and Expert Advisory On Rehabilitation of Affected Livestock during Drought**

Overview: This activity enables the actors to View information on Rehabilitation of various affected livestock Seek Expert Advisory help on Rehabilitation of affected livestock related query by simply submitting the query from its end.

This will reach the related Expert Advisory with the same “Area of expertise”.

Scope: The actor can View information on various Rehabilitation of affected livestock

Seek Expert Advisory help on Rehabilitation of affected livestock related queries

Use Case ID:	UC_56
Use Case Name:	Providing information and Expert Advisory On Rehabilitation of affected livestock
Feature ID	FEAT_56

Actors:	Government and Non government bodies
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Stake Holder:		
Description:	<p>The actor can:</p> <p>View information on various On Rehabilitation of affected livestock</p> <p>Seek Expert Advisory help On Rehabilitation of affected livestock related query by simply submitting the query from its end.</p> <p>This will reach the related Expert Advisory with the same “Area of expertise”.</p>	
Trigger:	<p>View information</p> <p>Seek Expert Advisory</p>	
Pre conditions:	No login required	
Post conditions:	Related information will be opened /The query is submitted successfully	
Input:	<p>Click on “ Information and Expert Advisory on Rehabilitation of affected livestock“ Link Button</p> <p>Click on “Seek Expert Advisory” Link Button.</p>	
Output:	<p>The related information will be shown with the parameters like: - Health, Hygiene, prompt treatment of diseases, shifting of animals to cattle camps, minimum number t of animals movement on the border area, optimizing available resources, critical loss of body weight, loss of reproductive efficiency.</p> <p>Will reach the related expert successfully</p>	
Normal Flow:	<p>Actor Actions</p> <p>The actor clicks on the link</p> <p>Submit query and details</p>	<p>System Responses</p> <p>The related information will be shown</p> <p>Will reach the related expert successfully</p>
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions	System Response

Includes other use case id	UC_39
UI: required/not required	Required
Priority: Low/medium/high	High
Frequency of Use: Continuous/frequent/ medium/ less/ rare	Frequent
Business Rules:	Only related queries will be shown to the expert
Special Requirements:	"Field of expertise" matching
Assumptions:	No login required: service is open to all
Dependency:	This Use Case is Dependent to UC_39
Notes and Issues:	"Field of expertise" matching

3.4.57 Providing information and Expert Advisory On Available Nearest Sources of Feed and Fodder during Drought

Overview: This activity enables the actors to:

View information on various on Available nearest sources of feed and fodder that includes information such as:

- Location
- Type
- Cost
- Availability
- Quantity

Seek Expert Advisory help on Available nearest sources of feed and fodder related query by simply submitting the query from its end.

This will reach the related Expert Advisory with the same “Area of expertise”.

Scope: The actor can:

View information on various Available nearest sources of feed and fodder

Seek Expert Advisory help On Available nearest sources of feed and fodder related queries

Use Case ID:	UC_57
Use Case Name:	Providing information and Expert Advisory On Available nearest sources of feed and fodder
Feature ID	FEAT_57

Actors:	Government and Non government bodies
Stake Holder:	
Description:	<p>The actor can:</p> <p>View information on various Available nearest sources of feed and fodder that includes information such as:</p> <ul style="list-style-type: none"> • Location • Type • Cost • Availability • Quantity <p>Seek Expert Advisory help on Available nearest sources of feed and fodder related query by simply submitting the query from its end.</p> <p>This will reach the related Expert Advisory with the same “Area of expertise”.</p>

Trigger:	View information Seek Expert Advisory	
Pre conditions:	No login required	
Post conditions:	Related information will be opened /The query is submitted successfully	
Input:	<ul style="list-style-type: none"> • Select Location from the drop down list respectively and Click on “Providing information and Expert Advisory On Available nearest sources of feed and fodder” Link button • Click on “ seek Expert Advisory” Link Button 	
Output:	The related information will be shown with the parameters like :- Location, Availability of Fodder, Quantity, Type of Fodder, Cost, Staff available, name of the in charge, Availability of buffer stock, Availability of famine rations, Availability of minikits, fodder blocks, Will open the Expert Advisory form.	
Normal Flow:	Actor Actions The actor clicks on the link Submit query and details	System Responses The related information will be shown Will reach the related expert successfully
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Action	System Response
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	

Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	Only related queries will be shown to the expert
Special Requirements:	“Field of expertise” matching
Assumptions:	No login required: service is open to all
Dependency:	This Use Case is Dependent to UC_39
Notes and Issues:	“Field of expertise” matching

3.4.58 **Providing information and Expert Advisory on Available Sources of Drinkable Water during Drought**

Overview: This activity enables the actors to:

View information on various On Available sources of drinkable water in the locality.

Seek Expert Advisory help on Available sources of drinkable water related query by simply submitting the query from its end.

This will reach the related Expert Advisory with the same “Area of expertise”.

Scope: The actor can:

View information on various Available sources of drinkable water

Seek Expert Advisory help On Available sources of drinkable water related queries

Use Case ID:	UC_58
Use Case Name:	Providing information and Expert Advisory On Available Sources of Drinkable water
Feature ID	FEAT_58

Actors:	Government and Non government bodies	
Stake Holder:		
Description:	<p>The actor can:</p> <p>View information on various Available sources of drinkable water in the vicinity of the farmer.</p> <p>Seek Expert Advisory help on Available sources of drinkable water related query by simply submitting the query from its end.</p> <p>This will reach the related Expert Advisory with the same “Area of expertise”.</p>	
Trigger:	<p>View information</p> <p>Seek Expert Advisory</p>	
Pre conditions:	No login required	
Post conditions:	Related information will be opened /The query is submitted successfully	
Input:	<ul style="list-style-type: none"> • Select Location from the drop down list respectively and Click on “Providing information and Expert Advisory Available sources of drinkable water” link button • Click on “Seek Expert Advisory “Link Button. 	
Output:	<p>The related information will be shown with the parameters like: - Nearest Location, Availability of Water, Drinkable or not, Quantity.</p> <p>Will open the Expert Advisory form.</p>	
Normal Flow:	<p>Actor Actions</p> <p>The actor clicks on the link</p> <p>Submit query and details</p>	<p>System Responses</p> <p>The related information will be shown</p> <p>Will reach the related expert successfully</p>
Alternative Flow:	<p>Actor Actions</p>	<p>System Responses</p>

Exceptional Flow:	Actor Actions	System Response
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Only related queries will be shown to the expert	
Special Requirements:	"Field of expertise" matching	
Assumptions:	No login required: service is open to all	
Dependency:	This Use Case is Dependent to UC_39	
Notes and Issues:	"Field of expertise" matching	

3.4.59 ***Providing information and Expert Advisory On Available Sources of Succulent Fodder and Market Prices during Drought***

Overview: This activity enables the actors to:

View information On Available sources of succulent fodder such as :

- Location
- Type
- Cost
- Availability
- Quantity

Seek Expert Advisory help on Available sources of succulent fodder and market prices related query by simply submitting the query from its end.

This will reach the related Expert Advisory with the same “Area of expertise”.

Scope: The actor can:

View information on various Available sources of succulent fodder and market prices

Seek Expert Advisory help on Available sources of succulent fodder and market prices related queries

Use Case ID:	UC_59
Use Case Name:	Providing information and Expert Advisory On Available sources of succulent fodder and market prices
Feature ID	FEAT_59

Actors:	Government and Non government bodies
Stake Holder:	
Description:	<p>The actor can:</p> <p>View information On Available sources of succulent fodder such as :</p> <ul style="list-style-type: none"> • Location • Type • Cost • Availability • Quantity <p>Seek Expert Advisory help on Available sources of succulent fodder and market prices related query by simply submitting the query from its end.</p> <p>This will reach the related Expert Advisory with the same “Area of expertise”.</p>

Trigger:	View information Seek Expert Advisory	
Pre conditions:	No login required	
Post conditions:	Related information will be opened /The query is submitted successfully	
Input:	<ul style="list-style-type: none"> • Select Location from the drop down list respectively and Click on “information and Expert Advisory On Available sources of succulent fodder and market prices during Drought” Link button • Click on “Seek Expert Advisory” Link button. 	
Output:	The related information will be shown with the parameters like: - Location of the market, Type of the Market, Cost, Availability, Quantity. Will open the Expert Advisory form	
Normal Flow:	<p>Actor Actions</p> <p>The actor clicks on the link</p> <p>Submit query and details</p>	<p>System Responses</p> <p>The related information will be shown</p> <p>Will reach the related expert successfully</p>
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions	System Response
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	

Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	Only related queries will be shown to the expert
Special Requirements:	“Field of expertise” matching
Assumptions:	No login required: service is open to all
Dependency:	This Use Case is Dependent to UC_39
Notes and Issues:	“Field of expertise” matching

3.4.60 **Providing information and Expert Advisory On Fodder to be Fed to the Livestock during Drought**

Overview: This activity enables the actors to:

View information on various on Fodder to be fed to the livestock.

Seek Expert Advisory help on Fodder to be fed to the livestock related query by simply submitting the query from its end.

This will reach the related Expert Advisory with the same “Area of expertise”.

Scope: The actor can:

View information on various Fodders to be fed to the livestock

Seek Expert Advisory help On Fodder to be fed to the livestock related queries

Use Case ID:	UC_60
Use Case Name:	Providing information and Expert Advisory On Fodder to be fed to the livestock
Feature ID	FEAT_60

Actors:	Government and Non government bodies	
Stake Holder:		
Description:	<p>The actor can:</p> <p>View information on various on Fodder to be fed to the livestock.</p> <p>Seek Expert Advisory help on Fodder to be fed to the livestock related query by simply submitting the query from its end.</p> <p>This will reach the related Expert Advisory with the same “Area of expertise”.</p>	
Trigger:	<p>View information</p> <p>Seek Expert Advisory</p>	
Pre conditions:	No login required	
Post conditions:	Related information will be opened /The query is submitted successfully	
Input:	<ul style="list-style-type: none"> Click on “information and Expert Advisory On Fodder to be fed to the livestock during Drought Circumstances” link Button. Click on “Seek Expert Advisory” link Button. 	
Output:	<p>The related information will be show with the parameters like :- Species, breed, Age, Schedule, Recommended Concentrate Mixtures, Ingredients, Quantity(KG), Nutrient Requirement, when Paddy Straw is major roughage:-(i) concentrate mixture(kg), wheat straw,Paddy straw(kg).famine ration micronutrient mixed feed blocks</p> <p>Will Open the Expert Advisory Form.</p>	
Normal Flow:	<p>Actor Actions</p> <p>The actor clicks on the link</p> <p>Submit query and details</p>	<p>System Responses</p> <p>The related information will be shown</p> <p>Will reach the related expert successfully</p>
Alternative Flow:	<p>Actor Actions</p>	<p>System Responses</p>

Exceptional Flow:	Actor Actions	System Response
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Only related queries will be shown to the expert	
Special Requirements:	"Field of expertise" matching	
Assumptions:	No login required: service is open to all	
Dependency:	This Use Case is Dependent to UC_39	
Notes and Issues:	"Field of expertise" matching	

3.4.61 **Providing information and Expert Advisory on Housing and Sanitation System during Drought**

Overview: This activity enables the actors to:

View information on various on housing and sanitation system.

Seek Expert Advisory help on housing and sanitation system related query by simply submitting the query from its end.

This will reach the related Expert Advisory with the same "Area of expertise".

Scope: The actor can:

View information on various housing and sanitation system

Seek Expert Advisory help on housing and sanitation system related queries

Use Case ID:	UC_61
Use Case Name:	Providing information and Expert Advisory on housing and sanitation system
Feature ID	FEAT_61

Actors:	Government and Non government bodies
Stake Holder:	
Description:	<p>The actor can:</p> <p>View information on various on housing and sanitation system.</p> <p>Seek Expert Advisory help on housing and sanitation system related query by simply submitting the query from its end.</p> <p>This will reach the related Expert Advisory with the same “Area of expertise”.</p>
Trigger:	<p>View information</p> <p>Seek Expert Advisory</p>
Pre conditions:	No login required
Post conditions:	Related information will be opened /The query is submitted successfully
Input:	<ul style="list-style-type: none"> • Select System Type from the drop down list respectively and Click on “Providing information and Expert Advisory on housing and sanitation system” Link Button • Click on “Seek Expert Advisory” link Button.

Output:	<p>The related information will be shown with the parameters like :-</p> <p>Housing System:- Housing For, Topography and drainage, Soil Type, Exposure, To the sun light and protection from wind, Accessibility, Durability, Water supply, Surroundings, Facilities, Labor, food, Type of housing, Advantages, Disadvantages, Isolation Boxes.</p> <p>Sanitation: - Cleaning of Livestock, Sanitation method, Sanitizers, insecticides, procedure, and other provision.</p> <p>Will open the Expert Advisory of Form.</p>	
Normal Flow:	<p>Actor Actions</p> <p>The actor clicks on the link</p> <p>Submit query and details</p>	<p>System Responses</p> <p>The related information will be shown</p> <p>Will reach the related expert successfully</p>
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions	System Response
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Only related queries will be shown to the expert	
Special Requirements:	"Field of expertise" matching	

Assumptions:	No login required: service is open to all
Dependency:	This Use Case is Dependent to UC_39
Notes and Issues:	“Field of expertise” matching

3.4.62 **Providing information and Expert Advisory on Vaccination and Medicament during Drought**

Overview: This activity enables the actors to:

View information on various on vaccination and medicament of livestock.

Seek Expert Advisory help on vaccination and medicament of livestock .related query by simply submitting the query from its end.

This will reach the related Expert Advisory with the same “Area of expertise”.

Scope: The actor can:

View information on various vaccination and medicament

Seek Expert Advisory help on vaccination and medicament of livestock related queries

Use Case ID:	UC_62
Use Case Name:	Providing information and Expert Advisory on vaccination and medicament
Feature ID	FEAT_62

Actors:	Government and Non government bodies
Stake Holder:	

Description:	<p>The actor can:</p> <p>View information on various on vaccination and medicament of livestock.</p> <p>Seek Expert Advisory help on vaccination and medicament of livestock related query by simply submitting the query from its end.</p> <p>This will reach the related Expert Advisory with the same “Area of expertise”.</p>	
Trigger:	<p>View information</p> <p>Seek Expert Advisory</p>	
Pre conditions:	<p>No login required</p>	
Post conditions:	<p>Related information will be opened /The query is submitted successfully</p>	
Input:	<ul style="list-style-type: none"> • Select Location and Disease type from the Drop down List respectively and Click on “Providing information and Expert Advisory on vaccination and medicament” Link Button. • Click on “Seek Expert Advisory” Link Button. 	
Output:	<p>The related information will be shown with the parameters like:- Location, Disease type, Medicine Name, Vaccine Name, availability, Cost, Market Location, Contact Person, various Diseases which can occur during drought.</p> <p>Will open the Expert Advisory Form.</p>	
Normal Flow:	<p>Actor Actions</p> <p>The actor clicks on the link</p> <p>Submit query and details</p>	<p>System Responses</p> <p>The related information will be shown</p> <p>Will reach the related expert successfully</p>
Alternative Flow:	<p>Actor Actions</p>	<p>System Responses</p>
Exceptional Flow:	<p>Actor Actions</p>	<p>System Response</p>

Includes other use case id	UC_39
UI: required/not required	Required
Priority: Low/medium/high	High
Frequency of Use: Continuous/frequent/ medium/ less/ rare	Frequent
Business Rules:	Only related queries will be shown to the expert
Special Requirements:	“Field of expertise” matching
Assumptions:	No login required: service is open to all
Dependency:	This Use Case is Dependent to UC_39
Notes and Issues:	“Field of expertise” matching

3.4.63 **Providing information and Expert Advisory on Vaccination of Livestock and Birds during Flood**

Overview: This activity enables the actors to view information on vaccination of livestock and birds against various diseases before onset of monsoon.

Seek Expert Advisory help on vaccination of livestock and birds of livestock .related query by simply submitting the query from its end.

This will reach the related Expert Advisory with the same “Area of expertise”.

Scope: The actor can:

View information on various vaccinations of livestock and birds

Seek Expert Advisory help on vaccination of livestock and birds of livestock related queries

Use Case ID:	UC_63
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Use Case Name:	Providing information and Expert Advisory on vaccination of livestock and birds
Feature ID	FEAT_63

Actors:	Government and Non government bodies	
Stake Holder:		
Description:	<p>The actor can:</p> <p>View information on various on vaccination of livestock and birds before onset of monsoon.</p> <p>Seek Expert Advisory help on vaccination of livestock and birds of livestock related query by simply submitting the query from its end.</p> <p>This will reach the related Expert Advisory with the same “Area of expertise”.</p>	
Trigger:	<p>View information</p> <p>Seek Expert Advisory</p>	
Pre conditions:	No login required	
Post conditions:	Related information will be opened /The query is submitted successfully	
Input:	<p>Click on “Information and Expert Advisory on vaccination of livestock and birds during flood” link Button.</p> <p>Click on “Seek Expert Advisory” Link Button.</p>	
Output:	<p>The related information will be shown with the parameters like: - S.No. , Disease Type, Disease Name, Vaccination Name, Methods of vaccination, Suggestions, Guidelines, Procedure, medicine and vaccine availability, Location, Contact Number, Stock.</p> <p>Will open the Expert Advisory form.</p>	
Normal Flow:	<p>Actor Actions</p> <p>The actor clicks on the link</p> <p>Submit query and details</p>	<p>System Responses</p> <p>The related information will be shown</p> <p>Will reach the related expert successfully</p>

Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions	System Response
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Only related queries will be shown to the expert	
Special Requirements:	"Field of expertise" matching	
Assumptions:	No login required: service is open to all	
Dependency:	This Use Case is Dependent to UC_39	
Notes and Issues:	"Field of expertise" matching	

3.4.64 ***Providing information and Expert Advisory on Available Sources of Feeds and Fodder during Flood Circumstances***

Overview: This activity enables the actors to:

View information On Available sources of feeds and fodder during flood circumstances:

- Location
- Type Feeds and Fodder
- Cost
- Availability
- Quantity

Seek Expert Advisory help on sources of feeds and fodder related query by simply submitting the query from its end.

This will reach the related Expert Advisory with the same “Area of expertise”.

Scope: The actor can:

View information on various sources of feeds and fodder during flood circumstances

Seek Expert Advisory help on sources of feeds and fodder related queries

Use Case ID:	UC_64
Use Case Name:	Providing information and Expert Advisory on sources of feeds and fodder during flood circumstances
Feature ID	FEAT_64

Actors:	Government and Non government bodies
Stake Holder:	

<p>Description:</p>	<p>The actor can:</p> <p>View information On Available sources of feeds and fodder such as:</p> <ul style="list-style-type: none"> • Location • Type Feeds And Fodder • Cost • Availability • Quantity <p>Seek Expert Advisory help on sources of feeds and fodder related query by simply submitting the query from its end.</p> <p>This will reach the related Expert Advisory with the same “Area of expertise”.</p>	
<p>Trigger:</p>	<p>View information</p> <p>Seek Expert Advisory</p>	
<p>Pre conditions:</p>	<p>No login required</p>	
<p>Post conditions:</p>	<p>Related information will be opened /The query is submitted successfully</p>	
<p>Input:</p>	<p>Select Location from the Drop Down List Respectively and Click on “Information and Expert Advisory on Available sources of feeds and fodder during flood circumstances“ link Button.</p> <p>Click on “Seek Expert Advisory” Link Button.</p>	
<p>Output:</p>	<p>The related information will be shown with the parameters like: - Location, Type, Cost, Availability, Famine Ration Availability, Minikits available, Nearest Location, and Quantity.</p> <p>Will open Expert Advisory link button.</p>	
<p>Normal Flow:</p>	<p>Actor Actions</p> <p>The actor clicks on the link</p> <p>Submit query and details</p>	<p>System Responses</p> <p>The related information will be shown</p> <p>Will reach the related expert successfully</p>
<p>Alternative Flow:</p>	<p>Actor Actions</p>	<p>System Responses</p>

Exceptional Flow:	Actor Actions	System Response
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Only related queries will be shown to the expert	
Special Requirements:	"Field of expertise" matching	
Assumptions:	No login required: service is open to all	
Dependency:	This Use Case is Dependent to UC_39	
Notes and Issues:	"Field of expertise" matching	

3.4.65 **Providing information and Expert Advisory on Locally Available Grass and Fodder during Flood Circumstances:**

Overview: This activity enables the actors to:

View information on locally available grass and fodder during flood circumstances:

- Location
- Type of fodder
- Type of Grass
- Quantity available in the stocks

Seek Expert Advisory help on locally available grass and fodder related query by simply submitting

the query from its end.

This will reach the related Expert Advisory with the same “Area of expertise”.

Scope: The actor can:

View information on various locally available grass and fodder during flood circumstances

Seek Expert Advisory help On locally available grass and fodder related queries

Use Case ID:	UC_65
Use Case Name:	Providing information and Expert Advisory on locally available grass and fodder during flood circumstances
Feature ID	FEAT_65

Actors:	Government and Non government bodies
Stake Holder:	
Description:	<p>The actor can:</p> <p>View information on locally available grass and fodder:</p> <ul style="list-style-type: none"> • Location • Type of fodder • Availability • Type of Grass • Quantity available in the stocks <p>Seek Expert Advisory help on locally available grass and fodder related query by simply submitting the query from its end.</p> <p>This will reach the related Expert Advisory with the same “Area of expertise”.</p>
Trigger:	<p>View information</p> <p>Seek Expert Advisory</p>

Pre conditions:	No login required	
Post conditions:	Related information will be opened /The query is submitted successfully	
Input:	<ul style="list-style-type: none"> Click on “information and Expert Advisory on locally available grass and fodder during flood circumstances” Link Button. Click on “Seek Expert Advisory link button. 	
Output:	<p>The related information will be shown with the fields like: - S. No., Type of Fodder, Type of Grass, Availability, Quantity in stock, Location.</p> <p>Will open the Expert Advisory Form.</p>	
Normal Flow:	<p>Actor Actions</p> <p>The actor clicks on the link</p> <p>Submit query and details</p>	<p>System Responses</p> <p>The related information will be shown</p> <p>Will reach the related expert successfully</p>
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions	System Response
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Only related queries will be shown to the expert	

Special Requirements:	No Login Required: Service is open to all
Assumptions:	No login required: service is open to all
Dependency:	This Use Case is Dependent to UC_39
Notes and Issues:	“Field of expertise” matching

3.4.66 **Providing information and Expert Advisory on Treatment of Water for Drinking Purpose during Flood**

Overview: This activity enables the actors to:

View information on treatment of water for drinking purpose:

- Various methods/ techniques
- Efficient water treatment processes

Seek Expert Advisory help on locally available treatment process of water for drinking during flood circumstances.

This will reach the related Expert Advisory with the same “Area of expertise”.

Scope: The actor can:

View information on various treatment of water for drinking purpose

Use Case ID:	UC_66
Use Case Name:	Providing information and Expert Advisory on treatment of water for drinking purpose
Feature ID	FEAT_66

Actors:	Government and Non government bodies
Stake Holder:	

Description:	<p>The actor can:</p> <p>View information on treatment of water for drinking purpose:</p> <ul style="list-style-type: none"> • Various methods/ techniques • Efficient water treatment processes <p>Seek Expert Advisory help on locally available treatment process of water for drinking during flood circumstances.</p> <p>This will reach the related Expert Advisory with the same “Area of expertise”.</p>	
Trigger:	<p>View information</p> <p>Seek Expert Advisory</p>	
Pre conditions:	<p>No login required</p>	
Post conditions:		
Input:	<p>Click on “information and Expert Advisory on treatment of water for drinking purpose during Flood” Link button.</p> <p>Click on “Seek Expert Advisory” Link Button.</p>	
Output:	<p>The related information will be shown with the parameters like: - Procedures for water treatment, Tips, Contaminant, Storing procedure of water.</p> <p>Expert Advisory form will open.</p>	
Normal Flow:	<p>Actor Actions</p> <p>The actor clicks on the link</p> <p>Submit query and details</p>	<p>System Responses</p> <p>The related information will be shown</p> <p>Will reach the related expert successfully</p>
Alternative Flow:	<p>Actor Actions</p>	<p>System Responses</p>
Exceptional Flow:	<p>Actor Actions</p> <p>Mandatory fields not field</p>	<p>System Response</p> <p>System will throw error</p>

Includes other use case id	UC_39
UI: required/not required	Required
Priority: Low/medium/high	High
Frequency of Use: Continuous/frequent/ medium/ less/ rare	Frequent
Business Rules:	Only related queries will be shown to the expert
Special Requirements:	No login required: service is open to all
Assumptions:	No login required
Dependency:	This Use Case is Dependent to UC_39
Notes and Issues:	"Field to expertise" matching

3.4.67 **Providing information and Expert Advisory on Sanitation during Flood Circumstances**

Overview: This activity enables the actors to:

View information on sanitation during flood circumstances

Seek Expert Advisory help on locally available grass and fodder related query by simply submitting the query from its end.

This will reach the related Expert Advisory with the same "Area of expertise".

Scope: The actor can:

View information on various sanitation techniques during flood circumstances

Seek Expert Advisory help on sanitation techniques during flood related queries

Use Case ID:	UC_67
Use Case Name:	Providing information and Expert Advisory on sanitation during flood circumstances
Feature ID	FEAT_67

Actors:	Government and Non government bodies	
Stake Holder:		
Description:	<p>The actor can:</p> <p>View information on various sanitation during flood circumstances</p> <p>Seek Expert Advisory help On sanitation during flood related queries</p>	
Trigger:	<p>View information</p> <p>Seek Expert Advisory</p>	
Pre conditions:	No login required	
Post conditions:	Related information will be opened /The query is submitted successfully	
Input:	<p>Click on “provide information and Expert Advisory on feed supplement to be incorporated with feeds” Link Button</p> <p>It will open the Expert Advisory form.</p>	
Output:	<p>The related information will be shown with the parameters like :-</p> <p>Sanitation, Procedure, Advantages, Sanitizers, Type of species.</p> <p>Will open Expert Advisory form</p>	
Normal Flow:	<p>Actor Actions</p> <p>The actor clicks on the link</p> <p>Submit query and details</p>	<p>System Responses</p> <p>The related information will be shown</p> <p>Will reach the related expert successfully</p>

Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Mandatory fields not filled	System Response System will throw error
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Only related queries will be shown to the expert	
Special Requirements:	"Field of expertise" matching	
Assumptions:	No login required: service is open to all	
Dependency:	This Use Case is Dependent to UC_39	
Notes and Issues:	service is open to all	

3.4.68 **Updating System with Information on various Modules**

Overview: This activity enables the actors to:

Add information into the system under various modules, which will work as an important source of information/help/guidance for various users.

Only authorized users have access to this feature as this information will be shared globally and thus requires high security against misuse.

For instance the actor can update the system with information on:

- Types of fodder to be fed to the livestock
- Information on housing and sanitation system
- Information on vaccination and medicament
- Diseases of cattle
- Diseases of pigs
- Diseases of Sheep and Goat
- Diseases of wild animals
- Diseases of pet animals
- Superior breeds of Livestock
- Breeds of poultry and duck
- Choices of breed as per location & environment
- Sources of breed
- Food Safety
- Environmental Hazards

Scope: The actor can update the system with information on various modules

Use Case ID:	UC_68
Use Case Name:	Updating system with information on various modules
Feature ID	FEAT_68

Actors:	Government bodies
Stake Holder:	
Description:	The actor can: Add information into the system under various modules, which will work as an important source of information/help/guidance /alert for various users.
Trigger:	Update information
Pre conditions:	Login by authenticated user
Post conditions:	Information updated successfully

Input:	<ul style="list-style-type: none"> • Types of fodder to be fed to the livestock • Information on housing and sanitation system • Information on vaccination and medicament • Diseases of cattle • Diseases of pigs • Diseases of Sheep and Goat • Diseases of wild animals • Diseases of pet animals • Superior breeds of Livestock • Breeds of poultry and duck • Choices of breed as per location & environment • Sources of breed • Food Safety • Environmental Hazards 	
Output:	Changes will be updated successfully	
Normal Flow:	Actor Actions On click operation Submit changes	System Responses Changes will be updated successfully
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Special authentication check failure	System Response System will throw error

Includes other use case id	UC_39
UI: required/not required	Required
Priority: Low/medium/high	High
Frequency of Use: Continuous/frequent/ medium/ less/ rare	Frequent
Business Rules:	Only authorized users have access to this feature as this information will be shared globally and thus requires high security against misuse
Special Requirements:	Special authentication check
Assumptions:	Login by authenticated user
Dependency:	This Use Case is Dependent to UC_39
Notes and Issues:	This information will be shared globally and thus requires high security against misuse

3.4.69 **Information and Expert Advisory on Availing Veterinary Services during Epidemic Circumstances**

Overview: This activity enables the actors to avail veterinary services in case of:

- Livestock illness
- Vaccination

Scope: The actor can:

Avail veterinary services at door step by specifying the reason, location and other needful details.

Use Case ID:	UC_69
Use Case Name:	Information and Expert Advisory on Availing veterinary services during Epidemic Circumstances

Feature ID	FEAT_69
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Actors:	Government and Non government bodies	
Stake Holder:		
Description:	<p>The actor can:</p> <p>View information Veterinary Services during Epidemic Circumstances.</p> <p>Seek Expert Advisory help On Veterinary Services during epidemic related queries</p>	
Trigger:	<p>View information</p> <p>Seek Expert Advisory</p>	
Pre conditions:	No login required	
Post conditions:	Related information will be opened /The query is submitted successfully	
Input:	<ul style="list-style-type: none"> • Select Disease Name Form the Drop down List Respectively and Click on “Information and Expert Advisory on Availing veterinary services during Epidemic Circumstances” Link Button. • Click on “Seek Expert Advisory” Link Button. 	
Output:	<p>The related information will be shown with the parameters like :- Disease Name , Area affected, Help Line, Veterinary center Address, Contact number, Camps, available, Camp location, camp name, Camp contacts, In charge Name, In charge person’s contact number, Address, paramedics services,</p> <p>Will open Expert Advisory form</p>	
Normal Flow:	<p>Actor Actions</p> <p>The actor clicks on the link</p> <p>Submit query and details</p>	<p>System Responses</p> <p>The related information will be shown</p> <p>Will reach the related expert successfully</p>

Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Mandatory fields not filled	System Response System will throw error
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Only related queries will be shown to the expert	
Special Requirements:	"Field of expertise" matching	
Assumptions:	No login required: service is open to all	
Dependency:	This use case is Dependent on UC_39	
Notes and Issues:	service is open to all	

3.4.70 Information and Expert Advisory on Food Safety

Overview: To Avail the Special Services for the food safety like:-

- Clean Milk Production
- Meat Hygiene
- Food Borne Infection and intoxication

- Legislations and Standards

Scope: The Actor can view information:

- Clean Milk Production
- Meat Hygiene
- Food Borne Infection and intoxication
- Legislations and Standards

Use Case ID:	UC_70
Use Case Name:	Information on Food Safety
Feature ID	FEAT_70

Actors:	Government Bodies and Non Government Bodies
Stake Holder:	
Description:	<p>The actor can view information on:</p> <ul style="list-style-type: none"> • Clean Milk Production • Meat Hygiene • Food Borne Infection and intoxication • Legislations and Standards
Trigger:	<p>View information</p> <p>Seek Expert Advisory</p>
Pre conditions:	No login required
Post conditions:	Application will be submitted successfully.
Input:	Click on information on food Safety link button

Output:	Page will open with the parameters like :- Clean Milk Production: - Clean Milk/ Milk Handlers practices, Pre-milking preparation practices, Clean and healthy cows practices, Milking pails and other utensils, Handling of milk after milking, Cleaning of milking equipment, Cooling of milk	
	Meat Hygiene: Practices for Good Hygiene, Precautions, steps, Slaughter House Inspection, Inspection Date. Food Borne Infection and intoxication: - Tests Conducted, Physical Analysis, Microbiological Analysis, Chemical Analysis. Legislation and Standards: - S. No, Rules and acts, Guidelines, Description	
Normal Flow:	Actor Actions Submit application	System Responses Application will reach the concerned user successfully
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Mandatory fields not filled	System Responses The system will throw error
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	

Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	This application will reach the concerned user
Special Requirements:	
Assumptions:	No Login is needed
Dependency:	This Use Case is dependent to UC_39
Notes and Issues:	No login is required

3.4.71 Information and Expert Advisory on Environmental Hazards

Overview: To Avail the Special Services for safety from the Environmental Hazards s like:-

- Air pollution and Air Borne Disease.
- Water borne disease and water.

Scope: The Actor can view information:

- Air pollution and Air Borne Disease.
- Water borne disease and water.

Use Case ID:	UC_71
Use Case Name:	Information and Expert Advisory on Environmental Hazards
Feature ID	FEAT_71

Actors:	Government Bodies and Non Government Bodies
Stake Holder:	

Description:	The actor can view information on: <ul style="list-style-type: none"> • Air pollution and Air Borne Disease. • Water borne disease and water. 	
Trigger:	Data get Extracted from the database to show as a report.	
Pre conditions:	No login required	
Post conditions:	Application will be submitted successfully.	
Input:	Click on information on Environmental Hazards link button	
Output:	<p>A form opens with the parameters like :-</p> <p>Air Pollution and Air Borne Disease: - S. No, Disease born by Air, Descriptions, Disease Type, effect on livestock's health, Prevention, Symptoms, effects, medicines, Principles.</p> <p>Water borne disease and water:- Sources, Disease Name, Treatment of Water, Health Effects, Principles</p>	
Normal Flow:	Actor Actions Submit application	System Responses Application will reach the concerned user successfully
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Mandatory fields not filled	System Responses The system will throw error
Includes other use case id	UC_39	
UI: required/not required	Required	

Priority: Low/medium/high	High
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	This application will reach the concerned user
Special Requirements:	
Assumptions:	No Login is needed
Dependency:	It is Dependent on UC_39
Notes and Issues:	No login is required

3.4.72 ***Suitability of Different Types of Livestock and Poultry for and under different Agro Climatic Conditions***

Overview: This enables the actor to get information and Expert Advisory on the suitability of different types of livestock and poultry for and under different Agro Climatic Conditions.

- Type of Species
- Type of Breed
- Type of Climatic Conditions
- Suitability
- Advantages
- Disadvantages
- Comments

Scope: Actor can get the information and Expert Advisory on the suitability of different types of livestock and poultry for and under different climates.

Use Case ID:	UC_72
Use Case Name:	Managing Stocks at Block Level
Feature ID	FEAT_72

Actors:	Government Bodies and Non Government Bodies	
Stake Holder:		
Description:	<p>The actor can view information on:</p> <ul style="list-style-type: none"> • Type of Species • Type of Breed • Type of Climatic Conditions • Suitability • Advantages • Disadvantages • Comments 	
Trigger:	Data get Extracted from the database to show as a report.	
Pre conditions:	login required	
Post conditions:	Application will be submitted successfully.	
Input:	<ul style="list-style-type: none"> • Select State, Village and Breed from the drop down lists respectively and Click on “Suitability different types of livestock and poultry for and under different Agro climatic” link button. 	
Output:	A form opens with the parameters like :- State, Village, Species, Breed, Climatic Conditions, Suitability, Advantages, Disadvantages, Remarks	
Normal Flow:	<p>Actor Actions</p> <p>Submit application</p>	<p>System Responses</p> <p>Application will reach the concerned user successfully</p>
Alternative Flow:	<p>Actor Actions</p>	<p>System Responses</p>

Exceptional Flow:	Actor Actions Mandatory fields not filled	System Responses The system will throw error
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	This application will reach the concerned user	
Special Requirements:		
Assumptions:	No Login is needed	
Dependency:	It is Dependent on UC_39	
Notes and Issues:	No login is required	

3.4.73 **Information and Expert Advisory on Mass Vaccination Program Details**

Overview: This Enables the Actor these programs can be used to counter contagious outbreaks and also gives information:

- Adopted as a repeated means of sustained healthcare delivery
- Applied where many people move through a specific place in a short interval of time
- Relevant quality standards address appropriate facilities and supplies

- Training of professional and Para-veterinary staff
- Education of potential vaccines and methods to screen them for contraindications to immunization
- Safeguards against anaphylaxis and syncope, documentation
- Safety surveillance
- Quality-improvement program
- Successful mass immunization programs require early planning that builds on existing competencies
- Effectiveness
- Safety
- Cost-benefit

Scope: Actor Can Information and Expert Advisory:

- Adopted as a repeated means of sustained healthcare delivery
- Applied where many people move through a specific place in a short interval of time
- Relevant quality standards address appropriate facilities and supplies
- Training of professional and para-veterinary staff
- Education of potential vaccines and methods to screen them for contraindications to immunization
- Safeguards against anaphylaxis and syncope, documentation
- Safety surveillance
- Quality-improvement program
- Successful mass immunization programs require early planning that builds on existing competencies
- Effectiveness
- Safety
- Cost-benefit

Use Case ID:	UC_73
Use Case Name:	Information and Expert Advisory on Mass Vaccination Program details
Feature ID	FEAT_73

Actors:	Government Bodies and Non Government Bodies
Stake Holder:	

Description:	<p>The actor can view information on:</p> <ul style="list-style-type: none"> • Adopted as a repeated means of sustained healthcare delivery • Applied where many people move through a specific place in a short interval of time • Relevant quality standards address appropriate facilities and supplies 	
	<ul style="list-style-type: none"> • Training of professional and para-veterinary staff • Education of potential vaccines and • Safeguards • Safety surveillance • Quality-improvement program • Successful mass immunization programs require early planning that builds on existing competencies • Effectiveness • Safety • Cost-benefit 	
Trigger:	Data get Extracted from the database to show as a report.	
Pre conditions:	No login required	
Post conditions:	Application will be submitted successfully.	
Input:	Click on “Suitability different types of livestock and poultry for and under different Agro climatic” link button.	
Output:	A form opens with the parameters like: - State, Village, Location, Safety, Quality, Trainings, Education of Vaccines, Methods, Safeguards, Safety parameters, Tips, Aims, and Cost Benefits.	
Normal Flow:	<p>Actor Actions</p> <p>Submit application</p>	<p>System Responses</p> <p>Application will reach the concerned user successfully</p>

Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Mandatory fields not filled	System Responses The system will throw error
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	This application will reach the concerned user	
Special Requirements:		
Assumptions:	No Login is needed	
Dependency:	It is Dependent on UC_39	
Notes and Issues:	No login is required	

3.4.74 Information and Expert Advisory on List of Cattle shows being organized in the State in different Places-Reorganized by the Government

Overview: This Activity enables the actor to view the list of cattle shows being organized in the state

in different places-reorganized by the government, information like:-

- Location
- Topic
- Subject
- Starting Date
- End Date

Scope: Actor can view all the details related to the cattle shows being organized by the government in the villages.

Use Case ID:	UC_74
Use Case Name:	Information and Expert Advisory on List of Cattle shows being organized in the state in different places-Reorganized by the government
Feature ID	FEAT_74

Actors:	Government Bodies and Non Government Bodies
Stake Holder:	
Description:	<p>This Activity enables the actor to view the list of cattle shows being organized in the state in different places-reorganized by the government, information like:-</p> <ul style="list-style-type: none"> • Location • Topic • Subject • Starting Date • End Date <p>It Gives the details related to the cattle shows being organized by the government in the villages.</p>

Trigger:	Data get Extracted from the database to show as a report.	
Pre conditions:	No login required	
Post conditions:	Application will be submitted successfully.	
Input:	<ul style="list-style-type: none"> Select Location from the drop down list respectively and Click on "Cattle show being organized by government" link button. 	
Output:	A form opens with the parameters like: - Location, Topic, Subject, Starting Date, End Date, Contact Number, and Contact Person Name.	
Normal Flow:	Actor Actions	System Responses
	Submit application	Application will reach the concerned user successfully
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions	System Responses
	Mandatory fields not filled	The system will throw error
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	This application will reach the concerned user	

Special Requirements:	
Assumptions:	No Login is needed
Dependency:	It is Dependent on UC_39
Notes and Issues:	No login is required

3.4.75 **Success Story Sites which other Interested Farmers can visit and Learn**

Overview: This Activity enables the actor to view success stories shared by other farmers related to livestock and feed and fodder management.

Scope: Actor can View the successful stories of other farmers through this activity

Use Case ID:	UC_75
Use Case Name:	Managing Stocks at Block Level
Feature ID	FEAT_75

Actors:	Government Bodies and Non Government Bodies
Stake Holder:	
Description:	This Activity enables the farmer to view the successful stories of other farmers
Trigger:	Data get Extracted from the database to show as a report.
Pre conditions:	No login required
Post conditions:	Application will be submitted successfully.
Input:	Click on "Success Stories" link button.

Output:	List of sites will be opened.	
Normal Flow:	Actor Actions Submit application	System Responses Application will reach the concerned user successfully
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Mandatory fields not filled	System Responses The system will throw error
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	This application will reach the concerned user	
Special Requirements:		
Assumptions:	No Login is needed	
Dependency:	It is Dependent on UC_39	
Notes and Issues:	No login is required	

3.4.76 Training of Farmers

Overview: This Activity enables the actor to manage the Training of farmers elated to Livestock and fodder related activities.

Scope: The actor can Manage like add update or delete information related to farmers training activities and sub activities

Use Case ID:	UC_76
Use Case Name:	Training of Farmers
Feature ID	FEAT_76

Actors:	Block, District, State and Center user(Government and Non Government user)
Stake Holder:	
Description:	The actor can fill in the detailed information for information related to farmers training.
Trigger:	Data get Extracted from the database to show as a report.
Pre conditions:	Login by authenticated user
Post conditions:	Central level official cannot perform modifications and addition in the details If the Actor is from same level or from the upper level then only the target details pan gets visible and also modification or addition took place in all the fields.

Input:	<p>There are certain parameters need to be filled which are stated below:-</p> <p>Location Details:- State, District, Rural, Block, Village</p> <p>Period:- Date, Time</p> <p>Training Modules:- Type of Training, Unit, Quantity</p> <p>Number of Beneficiaries:- Gen. , I.R.D.P., S.C., S.T., Women</p> <p>Target & Achievement: - Particulars, Target Fixed, Achievement During the Period, Cumulative Achievement, No. of Women Beneficiaries.</p>	
Output:	Record is Saved Successfully into the Database for MIS or Report Generation.	
Normal Flow:	<p>Actor Actions</p> <p>Submits the Data into Database</p>	<p>System Responses</p> <p>The record will be saved successfully</p>
Alternative Flow:	<p>Actor Actions</p>	<p>System Responses</p>
Exceptional Flow:	<p>Actor Actions</p> <p>Mandatory fields not filled/ incomplete form submission</p>	<p>System Response</p> <p>System will throw an error highlighting the fault</p>
Includes other use case id	UC_22	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	One block cannot see the data of the another block	
Special Requirements:	Strict Data ownership	

Assumptions:	Will use Get and Set Methods in Web services.
Dependency:	
Notes and Issues:	Strict Data ownership , Particulars can have values like In Dairying, In Poultry Farming etc

3.4.77 View Reports on Farmers Training

Overview: This activity enables the actor to view the reports on the training related activities all over India (year wise)

Scope: The actor can view the Type of Training wise and also can manage the training activities

Drill down facility till the village level for inner /last level detailed information

Use Case ID:	UC_77
Use Case Name:	View Reports on Farmers Training
Feature ID	FEAT_77

Actors:	Block, District, State, Central level agencies and Admin
Stake Holder:	
Description:	<p>The actor can view the Type of feed wise</p> <ul style="list-style-type: none"> • Training Modules • Availability • Number of Beneficiaries • Target & Achievement
Trigger:	View the Demand and availability of feed and fodder all over India
Pre conditions:	Login by authenticated user

Post conditions:	<ul style="list-style-type: none"> • If the Actor is from Center the reports will be shown state wise and UT's wise. • If the Actor is from state the reports will be shown District Wise. • If the Actor is from District the Reports will be shown Block wise. • If the Actor is From Block the Reports will be shown of its own block. 	
Input:	Select Period and Type of Training from the Drop Down Lists Respectively.	
Output:	<p>Desired report will be shown with the parameters like</p> <p>Location Details:- State, District, Rural, Block, Village</p> <p>Period:- Date, Time</p> <p>Training Modules:- Type of Training, Unit, Quantity</p> <p>Number of Beneficiaries:- Gen. , I.R.D.P., S.C., S.T., Women</p> <p>Target & Achievement: - Particulars, Target Fixed, Achievement During the Period, Cumulative Achievement, No. of Women Beneficiaries.</p>	
Normal Flow:	<p>Actor Actions</p> <p>The actor clicks on the related button</p>	<p>System Responses</p> <p>Page opens up with desired Report</p>
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	<p>Actor Actions</p> <p>Drilling down for information not available/not fed to the system</p>	<p>System Response</p> <p>System will throw error</p>
Includes other use case id	UC_76	
UI: required/not required	Required	
Priority: Low/medium/high	High	

Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	Drill down facility till the Block level for inner /last level detailed information
Special Requirements:	“Drill down” for transparency
Assumptions:	The census will be in Million nos. & Gap will come with the percentage as well as in decimal digits.
Dependency:	This Use Case is Fully Dependent on UC_76
Notes and Issues:	“Drill down” for transparency

3.4.78 **Meteorological Information and Expert Advisory**

Overview: This use case provides the Facility to the actor for Meteorological Information and Expert Advisory through automatic updates and alerts on the Emails, SMS, and Website.

Scope: The actor can view the Type of Training wise and also can manage

Drill down facility till the village level for inner /last level detailed information

Use Case ID:	UC_78
Use Case Name:	Meteorological Information and Expert Advisory
Feature ID	FEAT_78

Actors:	Block, District, State, Central level agencies, Farmer, Non Govt. Agencies and Admin
---------	--

Stake Holder:	
Description:	The Specific Expert Advisor, the Expert Advisory will be area specific and condition specific along with the specific parameters. It will detect the changing parameters the help of web services and will release the Expert Advisory according to those circumstances.
Trigger:	Expert Advisor Inserts the Advisory according to different location with the different conditions and that inserted data flashes automatically when such conditions happens.
Pre conditions:	No Login for farmer or the information seeker Login and Registration is a must for the Expert Advisor
Post conditions:	<ul style="list-style-type: none"> Expert Advisor must fill the parameters correctly and have to login before entering the data into the database.
Input:	<p>The Input fields will be like: -</p> <p>Temperature:-Min. Temperature, Max. Temperature</p> <p>Livestock and Poultry:- Type of Animal, Livestock/Poultry Name, age, Problem, Effects, Causes, Diseases, Treatment, Vaccination, Meteorological Factors, Precautions</p> <p>Crops:- Crop Types, Effects, Practices, Precautions</p> <p>Rainfall: - Min. Density of the Rain (mm), Max. Density of the Rain(mm)</p> <p>Wind: - Direction of the Wind, Velocity of the Wind, Areas can be Effected, Min. Velocity, Max. Velocity</p> <p>Weather:-Type of Weather</p> <p>Location:- State, Location</p>

Output:	<p>Desired report will be shown with the parameters like :-</p> <p>Temperature:-Min. Temperature, Max. Temperature</p> <p>Livestock and Poultry:- Type of Animal, Livestock/Poultry Name, age, Problem, Effects, Causes, Diseases, Treatment, Vaccination, Meteorological Factors, Precautions</p> <p>Crops:- Crop Types, Effects, Practices, Precautions</p> <p>Rainfall: - Min. Density of the Rain (mm), Max. Density of the Rain(mm)</p> <p>Wind: - Direction of the Wind, Velocity of the Wind, Areas can be Effected, Min. Velocity, Max. Velocity</p> <p>Weather:-Type of Weather</p> <p>Location:- State, Location</p>	
Normal Flow:	<p>Actor Actions</p> <p>The actor insert the data before the occurrence of the circumstances into the database with the specific decision making Parameters, on the behalf of those parameters the expert advisory will get released through various methods like Emails, SMS alerts, Alerts on Website.</p>	<p>System Responses</p> <p>Page opens up with desired Report or the Advisory is sent to all with various methods</p>
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions	<p>System Response</p> <p>System will throw error</p>
Includes other use case id	UC_7	
UI: required/not required	Required	

Priority: Low/medium/high	High
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	The Expert Advisory must be entering the data on the behalf of specific parameters that are designed to make decision.
Special Requirements:	Identification of the Expert Advisor with their area or location specification as well the expert category
Assumptions:	
Dependency:	The Data will be getting through web services.
Notes and Issues:	Consider www.icar.org.in for the advisory system

3.4.79 **Information and Expert Advisory on the problems with the different weather**

Overview: This Enables the Actor these programs can be used to counter contagious Problems and also gives information

Scope: Actor can take the Information and Expert Advisory

Use Case ID:	UC_79
Use Case Name:	Information and Expert Advisory on Mass Vaccination Program details
Feature ID	FEAT_79

Actors:	Government Bodies and Non Government Bodies
Stake Holder:	

Description:	The actor can view information on: <ul style="list-style-type: none"> • Problems which can occur with the different weathers and Circumstances • Best Practices with to avoid or to regain from the problems. 	
Trigger:	Data get Extracted from the database to show as a report.	
Pre conditions:	No login required	
Post conditions:	Application will be submitted successfully.	
Input:	Click on “Information & Expert Advisory on Different Weather Conditions” link button.	
Output:	A form opens with the parameters like: - State, Village, Location, Safety, Quality, Trainings, Weather Type, Problems, Methods, Safeguards, Safety parameters, Tips, Livestock/Poultry	
Normal Flow:	Actor Actions Submit application	System Responses Application will reach the concerned user successfully
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Mandatory fields not filled	System Responses The system will throw error
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	

Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	This application will reach the concerned user
Special Requirements:	
Assumptions:	No Login is needed
Dependency:	It is Dependent on UC_39
Notes and Issues:	No login is required

3.4.80 Information and Expert Advisory on Slaughter Houses

Overview: This Enables the Actor these programs can be used to obtain the information related to the slaughter houses.

Scope: Actor can take the Information and Expert Advisory

Use Case ID:	UC_80
Use Case Name:	Information and Expert Advisory on Slaughter Houses
Feature ID	FEAT_80

Actors:	Government Bodies and Non Government Bodies
Stake Holder:	
Description:	<p>The actor can view information on:</p> <ul style="list-style-type: none"> • Information on Govt. Recognized Slaughter Houses • Information on Non Govt. Recognized Slaughter Houses.

Trigger:	Data get Extracted from the database to show as a report.	
Pre conditions:	No login required	
Post conditions:	Application will be submitted successfully.	
Input:	Click on “Information & Expert Advisory Slaughter Houses” link button.	
Output:	A form opens with the parameters like: - State, Village, Location, Safety, Quality, Licenses No., Safety parameters, Tips, Livestock/Poultry, Type of Products Available, Inspection Details	
Normal Flow:	Actor Actions Submit application	System Responses Application will reach the concerned user successfully
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Mandatory fields not filled	System Responses The system will throw error
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	This application will reach the concerned user	

Special Requirements:	
Assumptions:	No Login is needed
Dependency:	It is Dependent on UC_39
Notes and Issues:	No login is required

3.4.81 Information and Expert Advisory on the Registered Farmers

Overview: This Enables the Actor to view the all the farmers which has been registered

Scope: Actor can take the Information and Expert Advisory

Use Case ID:	UC_81
Use Case Name:	Information and Expert Advisory on Mass Vaccination Program details
Feature ID	FEAT_81

Actors:	Government Bodies and Non Government Bodies
Stake Holder:	
Description:	<p>The actor can view information on:</p> <ul style="list-style-type: none"> • Problems which can occur with the different weathers and Circumstances • Best Practices with to avoid or to regain from the problems.
Trigger:	Data get Extracted from the database to show as a report.
Pre conditions:	No login required
Post conditions:	Application will be submitted successfully.
Input:	Click on "Information & Expert Advisory on Registered Farmers" link button.

Output:	A form opens with the parameters like: - State, Village, Location, Farmer Name, Address, District	
Normal Flow:	Actor Actions Submit application	System Responses Application will reach the concerned user successfully
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Mandatory fields not filled	System Responses The system will throw error
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	This application will reach the concerned user	
Special Requirements:		
Assumptions:	No Login is needed	
Dependency:	It is Dependent on UC_39	
Notes and Issues:	No login is required	

3.4.82 Registration of the Farmer

Overview: This Enables the Actor to perform Registration

Scope: Actor can take the do the Registration Process

Use Case ID:	UC_82
Use Case Name:	Registration for the Farmer
Feature ID	FEAT_82

Actors:	Government Bodies and Non Government Bodies
Stake Holder:	
Description:	The actor can view information on: <ul style="list-style-type: none"> Registration of the Farmer
Trigger:	Data can be get and set from the Service 8 Scheme Monitoring through web services.
Pre conditions:	Login is Required
Post conditions:	Application will be submitted successfully.
Input:	Click on "Farmer Registration" link button and fill the inputs which are taken by service 08 scheme monitoring through the web services.
Output:	The Records are saved into the database successfully.

Normal Flow:	Actor Actions Web services will get and set the data to the Service 8 Scheme Monitoring System	System Responses Application will be stored accurately
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Mandatory fields not filled	System Responses The system will throw error
Includes other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	This application will reach the concerned user	
Special Requirements:		
Assumptions:	Login is needed	
Dependency:	Web services to achieve the module from Service 08 Scheme Monitoring System	
Notes and Issues:	login is required	

3.4.83 Registration of the Domesticated Animals & Pet Animals

Overview: This Enables the Actor to Register Domesticated Animals and Pet Animals

Scope: Registration Process for the Domesticated & Pet Animals

Use Case ID:	UC_83
Use Case Name:	Registration of the Domesticated & Pet Animals
Feature ID	FEAT_83

Actors:	Government Bodies and Non Government Bodies
Stake Holder:	
Description:	The actor can view information on: <ul style="list-style-type: none"> Register Domesticated and Pet Animals
Trigger:	Data get inserted into the database correctly
Pre conditions:	login required
Post conditions:	<ul style="list-style-type: none"> If the Actor is from Center the reports will be shown state wise and UT's wise. If the Actor is from state the reports will be shown District Wise. If the Actor is from District the Reports will be shown Block wise. <p>If the Actor is From Block the Reports will be shown of its own block.</p>
Input:	Input Parameters will be like :- Type of Animal, Domesticated /Pet, age, Breed, Owners Name, Health(Good/Bad/Normal), Number of animals, Address of the Owner
Output:	Records are stored in the Database and will be used for MIS and Report Generation.

Normal Flow:	Actor Actions Submit application	System Responses Application will reach the concerned user successfully
Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions Mandatory fields not filled	System Responses The system will throw error
Includes other use case id	UC_39	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	Only same level or upper level can see the data and reports	
Special Requirements:	Drill Down facility till the Block Level	
Assumptions:	Login is needed	
Dependency:		
Notes and Issues:	login is required	

Note: - It will be a Login Based System.

3.5 Performance Requirements

3.6 Design constraints

3.7 Software System Attributes

3.7.1 Reliability

The system's reliability is dependent on various factors like ensuring proper validations for each field and form in the system, ensuring a seamless transition in between different forms, displaying proper alerts for errors, ensuring no 404 errors or system based errors are displayed and ensuring that proper markings are done for mandatory and non mandatory fields in the system, so as to ensure consistent output for saving or updating the data.

3.7.2 Availability

The proposed application is to be hosted at NIC data center servers to ensure that the application is available 24 X 7 to all authentic users.

3.7.3 Security

The proposed system will be deployed at NIC datacenter and will use NIC's Internet Security Setup. Each user will be assigned unique login and password. The users will have different functional options.

3.7.4 Maintainability

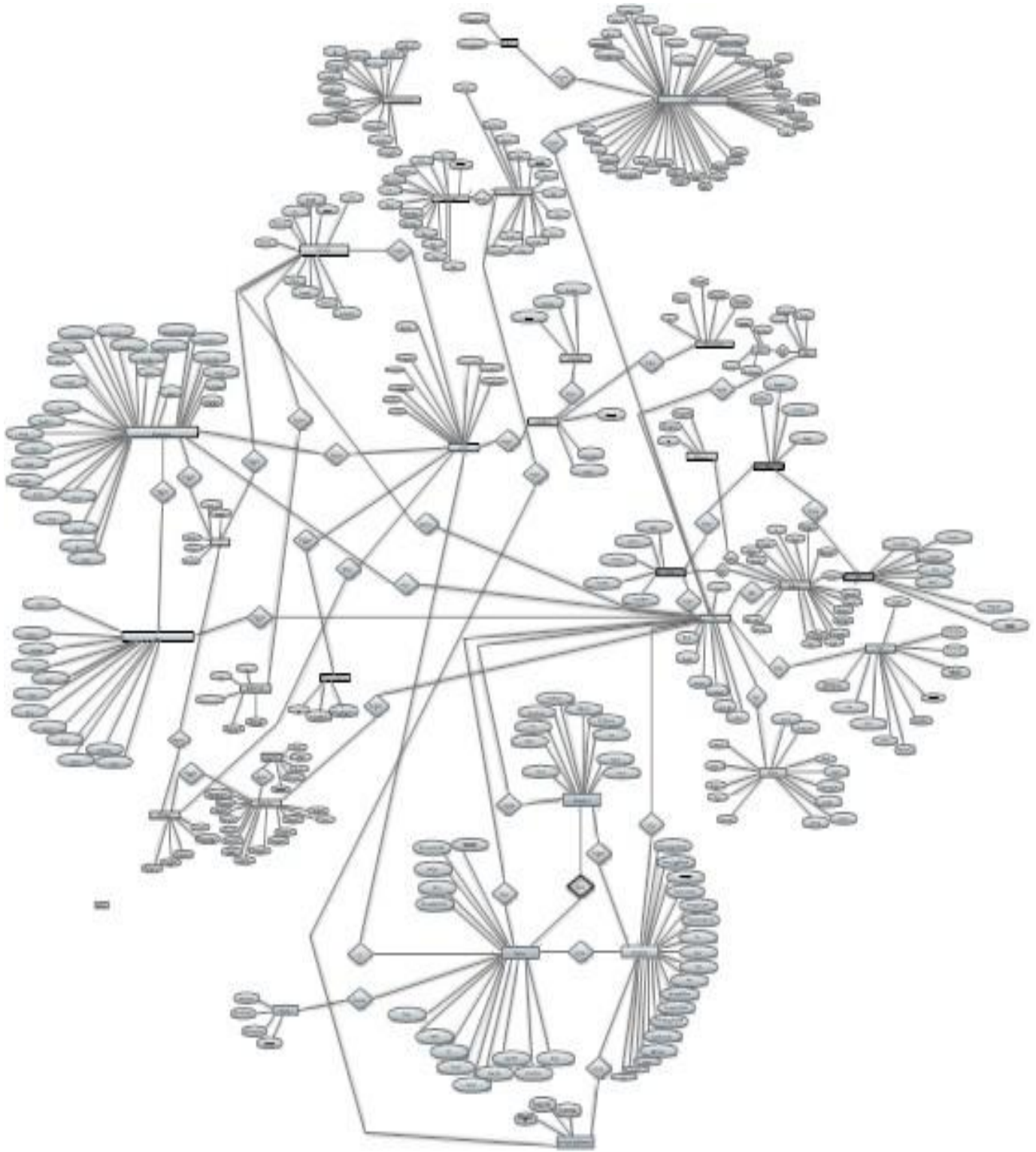
Modules shall be designed to group logically related methods in order to facilitate the maintenance. This enhances maintainability and modification of the system through simple redefinitions of policies and requirements.

3.7.5 Portability

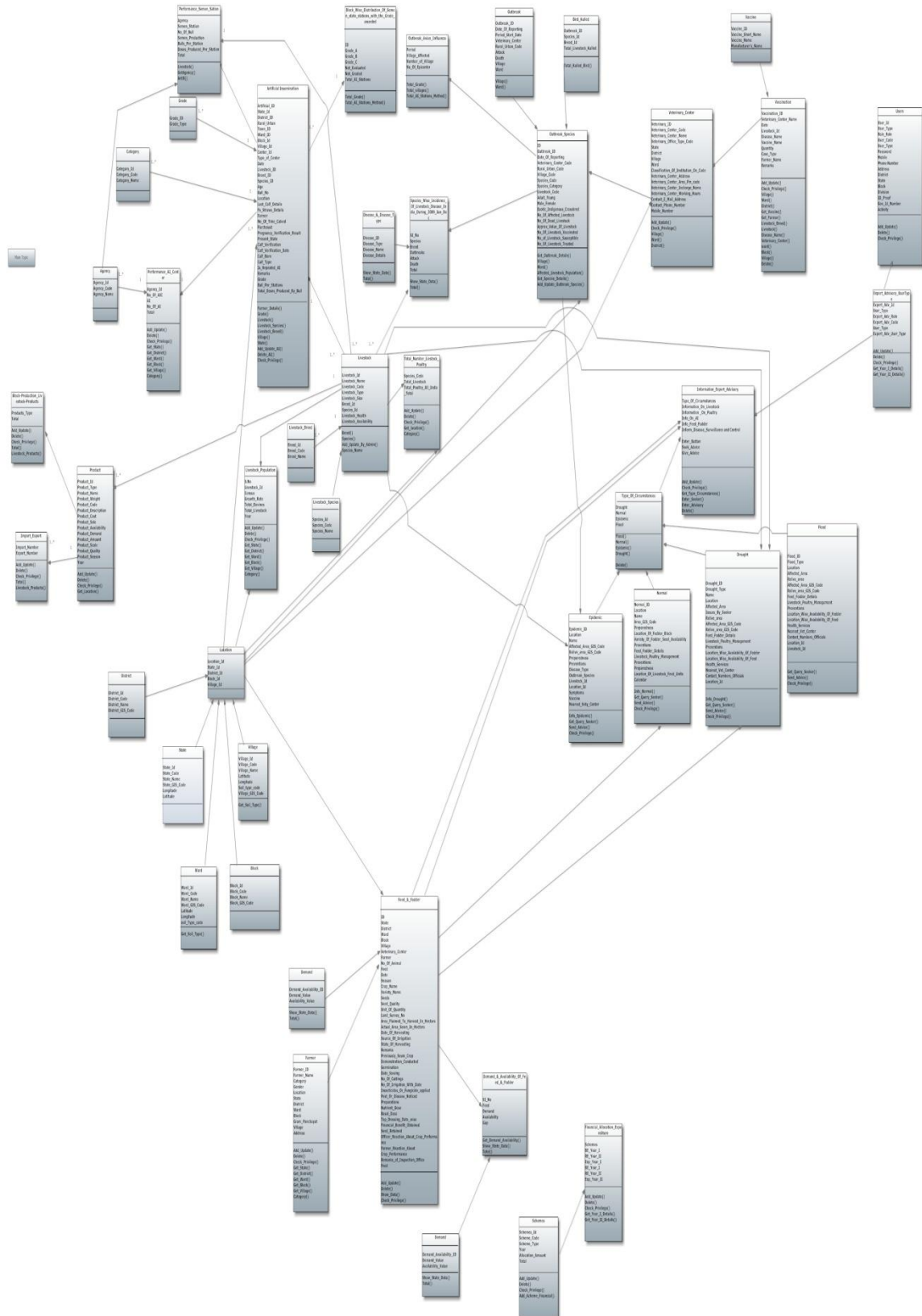
The software uses the standard database to store the online data information. The data can be ported easily into other databases. Though it is presumed that application will keep running in the same environment throughout its life cycle, but in future if there is any change in the operational environment, the s/w and the database can be easily modified for the new environment.

3.8 Logical Database requirement

3.8.1 Entity Relationship Diagram



3.8.2 Class Diagram



3.9 Other requirements

3.9.1 Backup

The software is being operated from NIC in Storage Area Network(SAN) environment, where the backup is maintained on daily basis and kept on backup devices based on the back up facilities available.

3.9.2 Recovery

Recovery of data will be the sole responsibility of NIC.

3.9.3 User Training

Initial user level training will be given by implementation agency to NIC officials along with the e-learning material, which will be used in Training programmers, which will be conducted by other agencies to create awareness about the system.

3.9.4 Annexure-I

(a)

Name of the State/ State Implementing agency												Statement No. 4		
Performance of private AI centres/ workers during the Quarter														
No.	Name of District	No. of centre	AI Done breed wise								Follow up	Found Positive	Calves born	% of population under AI coverage
			HF	Jersey	Indi			Buff						
				Gir	SH	Ongole	Hariana	Deoni	Others					
	Total													

(b)

for anyone can see the Report Public Domain NPK for Insurance Monthly

Annexure-1

Monthly Progress Report for the month ending.....

1. State:
2. Name of districts covered
3. Year
4. Name of Insurance companies engaged
5. Target number of animals to be insured in Financial Year.....

6. Rate of Premium:

For one year policy		For two year policy		For three year policy	
PTD	Without PTD	PTD	Without PTD	PTD	Without PTD

7. Animal insured:

	During the month
A Crossbred	
B Indigenous- Recognised breed	
C Indigenous- non-descript	
D Buffaloes	
8 Number of Beneficiaries	

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9. Information on claims made, settled, etc. for all policies in operation

		Total cases of claims - category wise (in number)		During the month
		Claims made	Claims settled	
A	Crossbred			
B	Indigenous- Recognised breed	Claims made		
		Claims settled		
C	Indigenous-Non-descript	Claims made		
		Claims settled		
D	Buffaloes	Claims made		
		Claims settled		
	Total	Claims made		
		Claims settled		
10	Total number of claims rejected			
11	Total number of claims settled in more than one month			
12	Amount of claim paid(Rs. in lakh)			
13	Central funds Released (Rs. in Lakh)			

Fund utilisation (In Rs. Lakh)

14	Advance to the insurance companies for premium	
15	Actual expenditure on premium subsidy	
16	Publicity	
17	Honorarium to veterinary Practitioners	

Name of CEO:

Signature:

Date:

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Must mention good party
Slide-05
Disease Surveillance to Camp
Not authentication for the Farmer.
only for the Centre

Government of West Bengal
 Directorate of Animal Resources & Animal Health
 New Secretariate Building (3rd floor)
 1, K.S.Roy Road; Kolkata-700001.

No. 1689(A)/2R-66/2005(Part-1)

Dated, Kolkata, the 30/11/2011

- To
- The Dy. Commissioner (LH), Govt. of India
 Ministry of Agriculture
 Department of Animal Husbandry, Dairying & Fisheries
 Room No. 297-C, Krishi Bhawan
 New Delhi-110001.
 - Shri A. Nandakumar, Director (Statistical Section)
 Deptt. of Animal Husbandry, Dairying & Fisheries
 Room No. 532A, 'B' Wing, Krishi Bhawan, New Delhi-110001.
 - The Deputy Agricultural Marketing Advisor
 Directorate Marketing & Inspection
 Regional Office, 3rd floor
 New C.G.O. Buildings, New Marine Lines,
 Mumbai-400020
 - The Project Director
 ICAR Project on Animal Disease Monitoring & Surveillance
 (PD - ADMAS)
 Hebbal, Bangalore-560024.

Sub: Monthly Report on Animal Disease Surveillance of West Bengal for the month of October 2011

Sir,
 Enclosed please find herewith the monthly Animal Disease Surveillance Report of West Bengal for the month of October 2011 for your information & taking necessary action.

Encl. As stated.

Yours Faithfully

Director of Animal Husbandry & Veterinary Services, West Bengal

Dr. LSS

[Signature]

(h)

ANNEXURE XIII

SPECIES-WISE INCIDENCE OF LIVESTOCK DISEASES IN INDIA DURING 2009 (JANUARY - DECEMBER)

Sl. No.	Disease	Species	Outbreak	Attack	Death
1	Foot & Mouth Disease	Bovine	823	23937	340
		Buffalo	0	469	1
		Ovine/ Caprine	49	1720	86
		Swine	30	401	46
		Total	902	26527	473
2	Haemorrhagic Septicaemia	Bovine	148	2518	1081
		Ovine/Caprine	20	183	80
		Buffalo	124	671	280
		Swine	4	357	154
		Total	296	3729	1595
3	Black Quarter	Bovine	320	1100	480
		Ovine/cap	0	0	0
		Buffalo	2	9	1
		Total	322	1109	481
4	Anthrax	Bovine	46	208	180
		Ovine/Caprine	12	1350	229
		Buffalo	1	1	1
		Swine	1	68	68
		Total	60	1627	478
5	Fascioliasis	Bovine	105	345108	27
		Ovine/Caprine	5	144	34
		Canine	0	5	0
		Swine	5	86	6
		Buffalo	0	5	0
		Total	115	345348	67
6	Enterotoxaemia	Ovine/Caprine	150	1556	533
		Bovine	3	611	0
		Total	153	2167	533
7	Sheep & Goat Pox	Ovine/Caprine	105	2006	592
8	Buffalo Pox	Buffalo	2	50	0
9	Blue Tongue	Ovi/Cap	73	2999	688
10	C.C.P.P.	Ovi/ Cap	0	0	0
11	Amphistomiasis	Bovine	149	8266	18

Contd.

Sl. No.	Disease	Species	Outbreak	Attack	Death
		Ovi/Caprine	1	12	2
		Avian	0	1219	0
		Total	150	9497	20
12	Schistosomiasis	Bovine	1	87	0
13	Swine Fever	Swine	136	5267	1646
14	Salmonellosis	Avian	40	115637	6453
		Bovine	22	5251	650
		Swine	5	35	26
		Total	67	120923	7129
15	Coccidiosis	Bovine	27	2579	25
		Ovi/ Cap	1	1215	5
		Avian	348	106549	14778
		Swine	7	135	0
		Buffalo	0	138	0
		Canine	0	1	0
		Total	383	110617	14808
16	Ranikhet (New Castle) Disease	Avian	412	185114	16273
17	Fowl Pox	Avian	122	16702	1816
18	Fowl Cholera	Avian	26	2158	1789
19	Mareks Disease	Avian	1	300	1
20	I.B.D.	Avian	127	33458	7594
21	Duck Plague	Avian	13	35982	110
22	Glanders	Bovine	4	4	4
23	Chronic Respiratory Disease	Avian	224	76900	38881
24	Canine Distemper	Canine	188	3494	355
25	Rabies	Bovine	44	233	233
		Canine	52	69	69
		Buffaloe	0	21	21
		Ovi/Caprine	1	1	1
		Total	97	324	324
26	Babesiosis	Bovine	127	2604	28

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Sl. No.	Disease	Species	Outbreak	Attack	Death
		Buffalo	0	7	0
		Ovi/Caprine	1	78	0
		Equine	1	4	0
		Canine	1	1	0
		Total	130	2694	28
27	Mastitis	Bovine	116	24366	0
		Buffalo	0	17	0
		Ovi/Caprine	0	1945	0
		Swine	1	5	0
		Total	117	26333	0
28	Trypanismiasis	Bovine	87	251	43
		Equine	2	2	0
		Camel	1	30	10
		Total	90	283	53
29	Mange	Bovine	54	1774	0
		Ovi/Cap	0	67	0
		Swine	268	6044	10
		Canine	136	1353	2
		Avine	0	0	0
		Total	458	9238	12
30	Peste Des Petits Ruminant	Ovi/ Cap	184	9271	2577
31	Anaplasmosis	Bovine	16	1905	0
		Buffalo	0	2	0
		Ovi/Caprine	0	4	0
		Total	16	1911	0
32	Brucellosis	Bovine	2	27	0
		Ovine/Cap	1	52	0
		Buffalo	1	15	0
		Total	4	94	0
33	Coryza	Avian	2	3150	6
34	Avian Influenza	Avian	10	1065	854
35	Equine Influenza	Equine	17	250	5

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ANNEXURE XIII

(i)

LIST OF 300 SELECTED DISTRICTS UNDER THE SCHEME 'LIVESTOCK INSURANCE'

S. No.	Name of Districts	S. No.	Name of Districts	S. No.	Name of Districts
1	Andhra Pradesh (22)	38	Nalanda	76	Sirsa
2	Adilabad *	39	Patna	77	Sonepat
3	Anantpur *	40	Rohtas	8	Himachal Pradesh (5)
4	Chittoor	41	Samastipur	78	Chamba
5	Cuddapah*	42	Vaishali	79	Hamirpur
6	East Godavari	5	Chhatisgarh (5)	80	Kangra
7	Guntur	43	Dhamtari	81	Mandi
8	Karimnagar	44	Durg	82	Shimla
9	Khammam *#	45	Mahsampur	9	Jammu & Kashmir (6)
10	Krishna	46	Raipur	83	Anantnag
11	Kurnool *	47	Rajnandgaon #	84	Baramulla
12	Mahboobnagar *	6	Gujarat (15)	85	Jammu
13	Medak	48	Ahmedabad	86	Kupwara
14	Nalgonda	49	Banaskantha	87	Pulwama
15	Nellore *	50	Bhavnagar	88	Udhampur
16	Nizamabad	51	Dang	10	Jharkhand (4)
17	Prakasam	52	Junagadh	89	Godda
18	Ranga Reddy	53	Katchch	90	Hazaribagh #
19	Srikakulam	54	Kheda	91	Palamau #
20	Vishakapatanam	55	Mahesana	92	Ranchi
21	Vizianagaram	56	Navasari	11	Karnataka (14)
22	West Godavari	57	Panchmahal	93	Bagalkote
2	Arunachal Pradesh (4)	58	Rajkot	94	Bangalore Rural
23	East Siang	59	Sabarkantha	95	Bangalore Urban
24	Lohit	60	Surat	96	Belgaum *
25	Lower DibangValley	61	Vadodara	97	Bellary
26	West Siang	62	Valsad	98	Dakshina kannad
3	Assam (6)	7	Haryana (15)	99	Davangere
27	Barpeta	63	Bhiwani	100	Guilbarga
28	Jorhat	64	Faridabad	101	Hassan *
29	Kamrup	65	Fartehabad	102	Haveri
30	Morigaon	66	Hisar	103	Kolar
31	Nagoan	67	Jhajjar	104	Mandya
32	Sonitpur	68	Jind	105	Mysore
4	Bihar (10)	69	Kaithal	106	Tumkur
33	Begusarai	70	Karnal	12	Kerala (11)
34	Bhojpur	71	Kurukshetra	107	Alapuzhah
35	Chhapra	72	Mewat	108	Eranakulam
36	Gaya #	73	Mohindergarh	109	Idduki
37	Muzaffarpur	74	Panipat	110	Kannur
		75	Rohtak	111	Kollam

ANNEXURE XIV

101

Contd.

(j)

Table 2.1: Livestock Population

(In Million Nos.)

S. No.	Species	Livestock Census		Growth Rate (%)	
		2003	2007§	2007 over 2003	Annual
1	2	3	4	5	6
1	Cattle	185.2	199.1	7.50	1.83
2	Buffalo	97.9	105.3	7.58	1.84
3	Yaks	0.1	0.1	38.61	8.51
4	Mithuns	0.3	0.3	-4.92	-1.25
	Total Bovines	283.4	304.8	7.52	1.83
5	Sheep	61.5	71.6	16.41	3.87
6	Goat	124.4	140.5	13.01	3.10
7	Pigs	13.5	11.1	-17.65	-4.74
8	Other animals	2.2	1.7	-23.00	-6.32
	Total Livestock	485.0	529.7	9.22	2.23
9	Poultry	489.0	648.9	32.69	7.33

§ Provisional, derived from village level totals

(k)

Table 4.1: Milk Procured by DMS

(In lakh Kgs)

Year	Total Qty. of milk procured	Average/ per day
2008-09	1100.38	3.01
2009-10	945.94	2.59
2010-11 (up to Dec. 2010)	588.34	2.13

(l)

Table 3.7: Outbreaks of Avian Influenza upto December, 2010

Period	State affected	Number of Districts	Number of Epicenters	Birds culled (in lakh)	Compensation paid (₹ in lakh)
18th February – 18th April, 2006	Maharashtra	2	28	9.40	270
18th February, 2006	Gujarat	1	1	0.92	32
28th March	Madhya Pradesh	2	1	0.12	3
25th July, 2007	Manipur	1	1	3.39	94
15th January – 16th May, 2008	West Bengal (1st episode)	15	68	42.62	1229
7th – 14th April, 2008	Tripura	2	3	1.93	71
27th November – 24th December, 2008	Assam	9	18	5.09	170
15th December, 2008 – 27th May, 2009	West Bengal (2nd episode)	5	11	2.01	36
19th January, 2009	Sikkim	1	1	0.04	3
14th January - 31 st January, 2010	West Bengal	1	12	1.56	63.85
Total		39	144	67.05	1971.85

(m)

Table 4.2: Performance of DMS

Year	Capacity utilization (%)	Milk Sale (lakh litres)	Variable cost (₹ per litre)	Fixed cost (₹ per litre)	Total cost (₹ per litre)
2008-09	76.0	1,371.72	18.10	2.60	20.70
2009-10	73.1	1,332.77	19.86	3.05	22.91
2010-11 (upto Dec.10)	64.37	885.05	21.56	3.21	24.77

(n)

Table 4.3: Expenditure of DMS
(₹in Crore)

Head/Scheme	2009-10			2010-11	
	B.E	R.E	Exp	BE	Exp. (upto Dec. 10)
1	2	3	4	5	6
I. NON-PLAN	393.27	311.29	288.60	371.40	249.74
II. PLAN	1.00	1.00	0.99	1.00	0.67

(o)

Table 4.3: Expenditure of DMS
(₹in Crore)

Head/Scheme	2009-10			2010-11	
	B.E	R.E	Exp	BE	Exp. (upto Dec. 10)
1	2	3	4	5	6
I. NON-PLAN	393.27	311.29	288.60	371.40	249.74
II. PLAN	1.00	1.00	0.99	1.00	0.67

(p)

Table 3.1: Performance of AI Centres

Agency	No of AIC	AI (Million)	No of AI (per centre per year)
Government	48,000	34.5	552
Private AI workers	14,500		
Cooperative	13,000	13.00	1000
NGO	4,500	2.50	550
Total	80,000	50.00	625

Table 3.2: Performance of Semen Stations

Agency	Semen Stations	No of Bulls	Semen Production (million)	Bulls per Station	Doses Produced per Station (lakh)
Government	37	1700	27	46	7.3
NDDB, Dairy Coop, NGO and Private	12	1103	23.52	92	19.6
Total	49	2803	50.52	57	10.03

18 Chapter 3

(q)

PRODUCTION OF MAJOR LIVESTOCK PRODUCTS – ALL INDIA

Year	Milk (Million Tonnes)	Eggs (Million Nos.)	Wool (Million Kgs.)	Meat* (Million Tonnes)
1950-51	17.0	1,832	27.5	-
1955-56	19.0	1,908	27.5	-
1960-61	20.0	2,881	28.7	-
1968-69	21.2	5,300	29.8	-
1973-74	23.2	7,755	30.1	-
1979-80	30.4	9,523	30.9	-
1980-81	31.6	10,060	32.0	-
1981-82	34.3	10,876	33.1	-
1982-83	35.8	11,454	34.5	-
1983-84	38.8	12,792	36.1	-
1984-85	41.5	14,252	38.0	-
1985-86	44.0	16,128	39.1	-
1986-87	46.1	17,310	40.0	-
1987-88	46.7	17,795	40.1	-
1988-89	48.4	18,980	40.8	-
1989-90	51.4	20,204	41.7	-
1990-91	53.9	21,101	41.2	-
1991-92	55.7	21,983	41.6	-

(r)

**FINANCIAL ALLOCATION AND EXPENDITURE DURING 2008-09 & 2010-11
(UP TO 31.12.2010)**

(Rs. in crore)

S. No.	SCHEMES	BE 2009-10	RE 2009-10	Exp. 2009-10	BE 2010-11	RE 2010-11	Exp. 2010-11 up to 31st Dec. 10
1	2	3	4	5	6	7	8
I	Animal Husbandry						
A	Centrally Sponsored Scheme						
1	National Project for Cattle and Buffalo Breeding	112.25	115.53	116.10	116.40	122.62	97.82
2	Poultry Development	28.00	19.89	15.91	44.40	43.99	41.09
3	Establishment/ Modernization of Rural Slaughter Houses	5.00	2.42	0.00	10.70	2.08	0.20
4	Utilization of fallen Animals (NEW)	0.01	0.01	0.00	9.30	1.21	0.00
5	Conservation of Threatened Livestock Breeds	4.00	4.00	3.56	4.20	3.18	1.11
6	Centrally Sponsored Fodder & Feed Development Scheme	10.80	10.30	11.10	22.20	39.18	29.56
7	Livestock Insurance	30.00	28.00	24.32	23.70	22.64	18.91
8	Livestock Health and Disease Control	220.32	139.86	143.81	373.90	394.19	265.48
8.1	Assistance to States for Control of Animal Diseases	85.00	101.47	105.65	73.90	81.86	61.91
8.2	National Project on Rinderpest Eradication	4.85	4.33	4.32	3.25	3.25	2.73
8.3	Professional Efficiency Development	4.20	4.20	4.25	3.25	3.70	2.74
8.4	Foot & Mouth Disease Control Programme	34.02	29.77	29.59	92.40	89.03	14.89
8.5	Strengthening of Existing Hospitals/ Dispensaries	0.01	0.01	0.00	68.90	94.80	68.72
8.6	National Control Programme of PPR	39.00	0.04	0.00	40.00	27.85	27.32
8.7	National Animal Disease Reporting System (NADRS) (NEW)	53.24	0.04	0.00	87.50	85.30	83.37
8.8	National Control Programme on Brucellosis	0.00	0.00	0.00	4.70	8.40	3.80
9	Livestock Extension and Delivery Services	0.01	0.01	0.00	4.70	0.03	0.00
9.1	Support for Private Veterinary Clinics and AI Centers						

(s)

Table 3.3: State-wise distribution of semen stations with the grades awarded

(As per semen evaluation report 2007-08)

Sl. No.	State	Grade A	Grade B	Grade C	Not Graded	Not Evaluated	Total Stations
		80 & above	66 to 79	50 to 65	Below 49	NE	
1	Andhra Pradesh	1	2	1	---	---	4
2	Assam	---	---	1	---	---	1
3	Bihar	---	---	---	1	---	1
4	Chhattisgarh	---	1	---	---	---	1
5	Gujarat	2	1	---	1	---	4
6	Haryana	---	---	---	3	---	3
7	Himachal Pradesh	---	1	---	---	---	1
8	J&K	---	---	---	2	---	2
9	Karnataka	1	1	3	---	---	5
10	Kerala	2	1	---	---	---	3
11	Madhya Pradesh	---	---	---	1	---	1
12	Maharashtra	1	1	---	1	2	5
13	Meghalaya	---	---	---	1	---	1
14	Orissa	---	1	---	---	---	1
15	Punjab	1	1	1	---	---	3
16	Rajasthan	---	1	---	---	---	1
17	Tamil Nadu	1	2	---	1	---	4
18	Uttaranchal	---	1	---	---	---	1
19	Uttar Pradesh	1	---	1	2	---	4
20	West Bengal	2	1	---	---	---	3
	Total	12	15	7	13	2	49

(t)

TOTAL NUMBER OF LIVESTOCK AND POULTRY—2007\$ LIVESTOCK CENSUS

(Figs. in Thousands)

States/UTs	Cattle	Buffaloes	Sheep	Goats	Pigs	Horses and ponies	Mules	Don-keys	Camel	Yaks	Mithun	Total Livestock	Total Poultry
Andhra Pradesh	11223	13272	25539	9626	439	26	0	50	0	0	0	60175	123981
Arunachal Pradesh	503	3	20	292	356	6	0	0	0	14	219	1413	1348
Assam	10041	500	354	4320	2000	11	0	0	0	0	0	17227	29060
Bihar	12559	6690	218	10167	632	51	0	24	0	0	0	30342	11420
Chhattisgarh	9491	1604	140	2768	413	1	0	0	0	0	0	14418	14246
Goa	71	37	0	11	58	0	0	0	0	0	0	177	505
Gujarat	7976	8774	2002	4640	22	14	0	50	38	0	0	23515	13352
Haryana	1552	5953	601	538	134	26	11	5	39	0	0	8859	28785
Himachal Pradesh	2269	762	901	1241	2	13	19	7	0	2	0	5217	810
Jammu & Kashmir	3443	1050	4127	2068	1	167	42	24	2	62	0	10987	6683
Jharkhand	8781	1506	483	6592	732	5	0	1	0	0	0	18100	11231
Karnataka	10503	4327	9558	6153	281	11	0	26	0	0	0	30859	42068
Kerala	1740	58	1	1729	59	0	0	0	0	0	0	3587	15686
Madhya Pradesh	21915	9129	390	9014	193	27	3	20	4	0	0	40696	7384
Maharashtra	16184	6073	2909	10391	327	38	0	32	0	0	0	35954	64756
Manipur	342	62	9	51	314	1	0	0	0	0	10	789	2403
Meghalaya	887	23	21	365	524	2	0	0	0	0	0	1823	3093
Mizoram	35	6	1	16	267	1	0	0	0	0	2	328	1239
Nagaland	470	35	4	178	698	1	0	0	0	0	33	1419	3156
Orissa	12310	1190	1818	7127	612	0	0	0	0	0	0	23057	20600
Punjab	1777	5062	208	290	26	33	6	5	2	0	0	7408	10685
Rajasthan	12120	11092	11190	21503	209	25	1	102	422	0	0	56663	4946
Sikkim	135	0	3	92	35	0	0	0	0	5	0	270	157
Tamilnadu	11189	2009	7991	9275	284	7	0	5	0	0	0	30759	128108
Tripura	954	14	4	633	264	0	0	0	0	0	0	1869	3701
Uttar Pradesh	18883	23812	1188	14793	1350	122	31	84	9	0	0	60272	8754
Uttaranchal	2235	1220	290	1335	20	15	24	1	0	0	0	5141	2602
West Bengal	19188	764	1577	15069	815	6	0	0	0	0	0	37419	86210
A& Nicobar	49	10	0	67	48	0	0	0	0	0	0	174	979
Chandigarh	7	20	0	1	0	0	0	0	0	0	0	28	129
Dadra & Nagar Haveli	57	4	0	25	0	0	0	0	0	0	0	87	170
Daman & Diu	3	1	0	3	0	0	0	0	0	0	0	7	26
Delhi	92	278	6	21	20	1	0	0	0	0	0	418	2
Lakshadweep	7	0	0	76	0	0	0	0	0	0	0	82	167
Pondicherry	84	3	4	69	1	0	0	0	0	0	0	162	387
All India	199075	105343	71558	140537	11134	611	137	438	517	83	264	529698	648830

*0 negligible with respect to thousands \$ Provisional results, derived from village level totals
 Source: 18th Livestock Census, Department of Animal Husbandry, Dairying & Fisheries, M/O Agriculture

(u)

STATE-WISE DETAILS OF VETERINARY INSTITUTIONS

S. No.	States/Union Territories	Veterinary Hospitals / Polyclinics	Veterinary Dispensaries	Veterinary Aid Centre / Stockmen Centre / Mobile Dispensaries
1.	Andhra Pradesh	303	1794	2879
2.	Arunachal Pradesh	1	93	189
3.	Assam	29	428	1213
4.	Bihar	39	785	1435
5.	Chhattisgarh	208	708	290
6.	Goa	5	21	52
7.	Gujarat	14	487	587
8.	Haryana	673	999	745
9.	Himachal Pradesh	335	1721	14
10	Jammu & Kashmir	303	1585	14
11.	Jharkhand	405	3	-
12.	Karnataka	294	1451	2029
13.	Kerala	213	880	26
14.	Madhya Pradesh	565	1742	72
15.	Maharashtra	43	1382	2056
16.	Manipur	55	109	34
17.	Meghalaya	4	70	151
18.	Mizoram	5	35	103
19	Nagaland	4	27	127
20.	Orissa	-	540	2939
21.	Punjab	1362	1486	12
22.	Rajasthan	1439	285	1733
23.	Sikkim	12	25	58
24.	Tamil Nadu	167	1156	1854
25.	Tripura	15	56	396
26.	Uttar Pradesh	1763	268	2313
27.	Uttaranchal	295	11	588
28.	West Bengal	111	612	3248
29.	A & N Islands	10	11	7
30.	Chandigarh	5	10	1
31.	Dadra & Nagar Haveli	1	0	10
32.	Daman & Diu	0	2	3
33.	Delhi	49	27	1
34.	Lakshadweep	3	6	8
35.	Pondicherry	2	15	8
	TOTAL	8732	18830	25195

3.7.4.1 State visits Examination of the current manual and automated processes

(i)

Department of Animal Husbandry & Veterinary Services, Karnataka
Animals Treated in the Taluka upto the Month
CUMULATIVE REPORT - FORMAT I

District : BAGALKOTE Taluk : BADAMI Month April Fin. Yr : 2011-2012

Sl. No.	Disease Name	Total Treated			IN INSTITUTION								ON VISIT							
		In Institutions	On Visit	Total	Cattle	Buffaloe	Sheep	Goat	Pigs	Dog	Poultry	Others	Cattle	Buffaloes	Sheep	Goat	Pigs	Dog	Poult	Others
1	Respiratory	1442	641	2083	530	270	282	335	10	41	1	3	232	104	186	111	0	8	0	
2	Digestive	1621	73	2478	575	352	237	341	3	33	10	2	326	138	194	131	0	8	0	
3	Urogenital	203	50	264	85	72	22	23	0	1	0	0	26	14	11	4	0	0	0	
4	Nervous	365	132	497	111	75	78	82	3	4	0	0	51	30	28	21	0	2	0	
5	Circulatory	143	42	185	61	22	21	23	0	3	0	1	12	10	13	7	0	0	0	
6	Skeletal	510	260	770	243	93	86	70	0	0	0	2	163	42	14	20	0	1	0	
7	Endocrine	65	20	85	30	10	14	11	0	0	0	0	6	7	3	4	0	0	0	
8	Appendix	32	16	108	54	13	15	3	0	1	0	0	12	2	1	0	0	1	0	
9	Minr Surgery	451	23	688	66	88	96	105	0	6	0	0	66	43	53	61	0	2	0	
10	Mjr Surgery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	TOTAL	4898	2200	7098	1621	935	917	1011	20	115	11	8	914	336	503	353	0	22	0	

(ii)

Department of Animal Husbandry and Veterinary Service, Karnataka
Animal Castrated, Infertility Camps held etc. During the Month in the Taluka (Format 2)
MONTHLY REPORT - FORMAT II (TALUKA)

District : BAGALKOTE Taluk : BADAMI Month: April, Fin Yr : 2011-2012

Sr No.	Name of the Species	Castrations			PD Dosing			No of Animals Treated in Camps				
		In	On Visit	In Camps	In	On Visit	In Camps	For Infertility	For Health			
1	Cattle	59	34	0	93	368	223	1	592	50	160	210
2	Buffalo	0	0	0	0	270	212	0	482	85	0	85
3	Sheep	0	0	0	0	3359	45243	0	48602	380	0	380
4	Goat	2	0	0	2	1270	7140	0	8410	110	0	110
5	Pig	0	0	0	0	10	2	0	12	0	0	0
6	Dog	0	0	0	0	58	14	0	72	0	0	0
7	Poultry	0	0	0	0	0	70	0	70	0	0	0
8	Others				0				0			0
		61	34	0	95	5335	52904	1	58240	625	160	210

(iii)

Animal Husbandry & Veterinary Department
Outbreaks, Attacks & Deaths During the Month in the Taluka

District : BAGALKOTE Taluk : BADAMI
Month : April, 2010-2011

Sr No.	Disease	TOTAL			Cattle			Buffaloes			Sheep			Goat			Pig			Dog			Poultry		
		Out Break	Attac ks	Dea ths	Out Breaks	Attac ks	Death s	Out Breaks	Attac ks	Death s	Out Breaks	Attac ks	Death s	Out Breaks	Attac ks	Death s	Out Breaks	Attac ks	Death s	Out Breaks	Attac ks	Death s	Out Breaks	Attac ks	Death s
1	Pesties Des Petite	0	0	0																					
2	Foot and Mouth	0	0	0																					
3	Rabies	0	0	0																					
4	Sheep and Goat Pox	0	0	0																					
5	Ranikhet	0	0	0																					
6	Fowl Pox	0	0	0																					
7	Haemorrhagic Septicemia	0	0	0																					
8	Black Quarter	0	0	0																					
9	Anthrax	0	0	0																					
10	Enteraaxamia	0	0	0																					
11	Blue Tong	0	0	0																					
12	R.P	0	0	0																					
13	Brucella	0	0	0																					
14	Others	0	0	0																					

(IV)

DEPARTMENT OF ANIMAL HUSBANDRY AND VETERINARY SERVICES, KARNATAKA
STOCK POSITION of VACCINES AND VACCINATION DONE IN A TALUKA upto the month
CUMULATIVE REPORT - FORMAT IV (TALUKA)

DISTRICT : TALUKA: Upto the MONTH: , F.n Yr

Sr No.	Disease Name (System wise)	Quantity of Vaccine in Bottles /Vials					Number of vaccination done							
		OP Ba. Ason 1st April	Received upto the Month	Issued to other Institution	Utilised upto the month	Closing Balance	Cattle	Buffalce	Sheep	Goat	Pigs	Dog	Poultry	Others
1	Pesties Ces Petite Ruminants	89	360	200	34	415	0	0	2612	788	0	0	0	0
2	Foot and Mouth	12	0	0	6	6	175	21	0	0	0	0	0	0
3	Rabies	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Sheep and Goat Pox	173	400	70	37	536	0	0	3684	0	0	0	0	0
5	Ranikhet	153	115	98	27	241	0	0	0	0	0	0	5318	0
6	Fowl Pox					0								
7	Haemorrhagic Septicemia	101	350	200	41	410	589	553	1250	550	0	0	0	0
8	Black Quarter	8	0	0	0	8	0	0	0	0	0	0	0	0
9	Anthrax					0								
10	Enteraaxamia	455	560	240	108	907	0	0	8467	2325	0	0	0	0
11	Blue Tong					0								
12	R.P					0								
13	Brucella					0								
14	Others					0								
	TOTAL	991	1785	808	2523	764	674	16013	3663	0	0	5318	0	

(V)

Department of Animal Husbandry & Veterinary Services, Karnataka
Feed & Fodder Development Programme Progress in the Taluka Upto the Month

CUMULATIVE REPORT - FORMAT VII (TALUKA)

District : BAGALKOTE		Taluk : BADAMI			Upto the Month :May, Fin Yr: 2011-201		
Sr	Types of Fodder	Quantity of Fodder	No of Fodder	Number of	Area brought under	Total No.of	No. of Fodder
1	African Tall Maize						
2	Cow Pea						
3	H.P. Chary						
4	Lucerne						
5	Oats						
6	Others						
7	NB-21/Co-1						
8	Guinea grass						
9	Rhodes Grass						
10	Para grass						
11	Fodder Plants						
12	Othersp						

(VI)

Yearly running no	Monthly running no	Daily running no	Name of farmer & address	Breed	Hospital/On visit	History	Treatment given

(VII)

Information regarding Total area (In Hectare)

Total area	Area under grazing/pasture	Area under Buildings and Road	Cultivated Land		
			Irrigated land	Unirrigated land	Total

(VIII)

Information regarding Sown area (In Hectare)

S.No.	Season	Area	Total Sown area	Kind of Crop sown
1	Rabi			
2	Kharif			
3	Nursery			

(IX)

Seed Account (In Kg.)

S.No	Name of Seed	Opening Balance	Production	Received from other sources	Total	Sold to Breeders	Sown at the Farm	Transfer to other farms	Closing Balance

(X)

Production of Fodder /Grass /Silage etc. (In quintals)

S. No.	Name of Production	Opening Balance	Production	Received from other sources	Total	Sold to breeders	Consumed at Farm	Sent to other Farms	Closing Balance	Remarks
1	Green Fodder									
2	Green Grass									
3	Hay									
4	Dry Fodder (Maize Stalk /Oat Bhusa , etc.)									
5	Lopping of Fodder Trees									
6	Silage									

1. Other activities

- (1) Roots Produced at Farm _____
 (2) Fodder Plants Produced In Nursery _____

(XI)

PROFORMA No. AHD- 08
 PROGRESS REPORT IN RESPECT OF MOBILE VETY. DISPENSARY _____ FOR THE
 PERIOD _____.

S . N o .	Name of Institu tion	No .of da ys sp en t on to ur	No. of vill age s visi ted	Nig ht halt s duri ng tou r	No.o f Kms. cove red on Govt . vehi cle	Veterinary Services											
						Contagious Diseases				Non-Contagious Diseases				Castration			
						E	B	O	T	E	B	O	T	E	B	O	T
1	2.	3.	4.	5.	6.	7.	8.	9.	10.	11	12.	13.	14.	15.	16.	17	18

Vaccination				Name of Vaccina tion (Specify)	Dehorning			Infertilit y Cases		Endopa r- asitici dal Medica tion (All Species)	Ectoparas itidal Medicatio n (All Species)	Outbreak		Rema rks
E	B	O	T		M	F	T	Co w	Bu ff			Rece ived	Atte nded	
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33

3.9.5 ANNEXURE-III

Slaughter House Fields:-

No. Of Slaughter Houses

Capacity

Location

Hygiene

Training of Farmers Fields:-

Availability of Module

Timing,

Fees Participation

Faculties,

Member Details

Testing of Feed Samples

Market and Marketing Details

What type of species and breeds semen is available?

Quantity,

Name of the Person Who will deliver at the door step

Cost,

Variety,

Location,

Market Area,

Name of the Market,

Type of the market,



Available Category,

Information on availability of emergency vety Services:

Location

Number

Capacity of the staff

Type of the Staff

Staff Details,

Paramedics (Gram Sahayak),

Kind of Service Available

Rehabilitation of Affected Live stock Fields:-

Health

Hygen

Movement of animals on the border area

Control Orders (Do's & Don'ts)

Availability of Feed, Fodder & Medicines Fields: -

Availability of Feed

Availability of Sample Feed

Availability of Fodder

Availability of Medicines

Availability of Buffer stock

Availability of as per location of near Feed and Fodder

Availability of staff

During Normal Circumstances availability of feed and fodder Location of Fodder Block making units

Variety

Various fodder seed availability,

Location of animal feed units

During Drought Circumstances Location wise availability of fodder

Location wise Details of availability of feed, Health Services

Preparedness for disaster management:-

Preserve feed and fodder

Adopt silage making

Adopt hay making

Adopt water harvesting

Adopt concentrating feeding practices

Utilization of tree leaves: -

Bamboo

Banyan

Ohi

Karal

Feeding of root crops

Grazing in pastures cultivate fodder crops

Cultivate perennial grasses

Enrichment of wheat straw with urea and Molasses

Preparation of feed at home

List of Progressive Farmers

Artificial Insemination:-

Quantity of the semen

How much has been used



Veterinary Officers

Name, Place of posting

Name of District, Mobile No

Office No Name of the Veterinary Hospital/ Dispensary

Name

In charge Doctor

Staff

Others

Location

Livestock assistant

Number of Carcass Disposal

Type of animals (small/ big)

Capacity

Disease Surveillance and Control:-

Disease

Total number of cases

Livestock Health Management Fields:-

Prevention Disease

Type

Measures on an outbreak

Zoonotic Disease Fields:-

Type

Symptoms

Prevention

Control Measure

Bi- Security Measures

Vaccination Certificate/Card

3.9.6 ANNEXURE-IV

(I)

३१/१२/१० ३१/०१/१०

Annexure-B
Assistant to state for control of Animal Diseases(Ascad)
Annual Action Plan(2009-10) Targets and Achievements for the
month

Sr.No	Particulars	Physical achievement			
		Target	Ordered	Completion	Vaccination
i)	No.of vaccinations carried out (disease wise in thousand doses)				
a	FMD				
b	PPR				
c	HS				
d	BQ				
	RD R2B				
f	ETV				
g	RD LASOTA				
h	Swine fever vaccine				
	Total				
ii)	Bulletins Published (Dist level)				
iii)	No.of DDL upgraded/strengthened (Nashik/Chiplun)				
iv)	No.of training organised for veterarian by DIS				
v)	No.of training organised for paraveterarian by DIS				
vi)	No of workshop/seminar organised by DIS				
vii)	No of awareness camps organised at District level				
viii)	No of awareness camps organised at Block level				
Financial Achivement(Rs. in lakhs)					
Sr.No	Particulars	issued		utilised	
i)	central share				
ii)	state share				
	Total				

(II)

Contagious Disease Outbreak Report for the month of _____ -2010 District- Osmanabad

Name of Disease	Name of species	Name of District	Name of village Taluka	No. of outbreaks		No. of Attacks		No. of Deaths		Population at risk		Vaccination Carried out	
				6	7	8	9	10					
				DM	P.T.	DM	P.T.	DM	P.T.	DM	P.T.	DM	P.T.
2	3	4	5										
H.S.													
B.O.													
R.P.													
R.P. Like Diseases (P.P.R.)													
F.M.D.													
Anthrax													
Bovine Sutra													
Cow Pox													
Botulism													
Sheep & Goat Pox													
R.D.													
F.P.													
Marek's Disease													
C.R.D./E.Coli													
Swine Fever													
C.C.P.P.													

Note:- DM- During the month
PT- Progressive total

(III)

Abstract

Sl.	Disease	State total abstract for the month of Mar 2010				Cumulative abstract from Apr-09			
		OB	AT	DT	VOB	OB	AT	DT	VOB
1	Anthrax	3	11	11	41302	21	1234	158	300637
2	Black Quarter	9	21	10	54556	219	567	232	921617
3	Blue Tongue	0	0	0	0	70	3293	644	360
4	Equine influenza	0	0	0	0	0	0	0	0
5	Enterotoxaemia	1	78	23	1050668	119	883	282	16865658
6	Foot and Mouth Disease	18	188	3	1139269	188	5564	344	11081958
7	Buffalo Pox	0	0	0	0				
8	Haemorrhagic Septicemia	5	43	30	526173	190	2418	618	6831644
9	Peste des Petits Ruminants	0	0	0	828437	28	456	66	7327704
10	Rabies	0	0	0	3402	8	49	48	19497
11	Ranikhet / Newcastle Disease	0	0	0	592653	0	0	0	7582589
12	Sheep and Goat Pox	20	375	78	617228	93	1232	314	2030872

Am
Deputy Director (E)

(IV)

Disease	District	Year	Month	Cattle	Buffalo	Sheep	Goat	Pig	Dog	Others	Poultry	Total
	Kaichar	2010	3	0	0	0	0	0	0	0	18513	18513
	Ramanagar	2010	3	0	0	0	0	0	0	0	22071	22071
	Shimoga	2010	3	0	0	0	0	0	0	0	23049	23049
	Tumkur	2010	3	0	0	0	0	0	0	0	44252	44252
	Udupi	2010	3	0	0	0	0	0	0	0	11490	11490
	Uttar Kannada	2010	3	0	0	0	0	0	0	0	25522	25522
Summary for L.S. Disease - Paratuberculosis (29 total records)												
	Total			0	0	0	0	0	0	0	0	592653
Sheep and Goat Pox												
KARNATAKA												
	Bagalkot	2010	3	0	0	8350	0	0	0	0	0	8350
	Belgaon	2010	3	0	0	2790	1202	0	0	0	0	2890
	Bellary	2010	3	0	0	7105	2103	0	0	0	0	7318
	Bijapur	2010	3	0	0	1500	0	0	0	0	0	1500
	Chickmagalur	2010	3	0	0	1530	390	0	0	0	0	1920
	Chitaldurg	2010	3	0	0	642	343	0	0	0	0	985
	Chitradurga	2010	3	0	0	8886	2410	0	0	0	0	11296
	Davanagere	2010	3	0	0	11800	0	0	0	0	0	11800
	Gadag	2010	3	0	0	14230	2092	0	0	0	0	16322
	Golburga	2010	3	0	0	8621	0	0	0	0	0	8621
	Hassan	2010	3	0	0	1160	0	0	0	0	0	1160
	Haveri	2010	3	0	0	4519	340	0	0	0	0	4859
	Kolar	2010	3	0	0	13748	0	0	0	0	0	13748
	Koppal	2010	3	0	0	46953	0	0	0	0	0	46953
	Maddur	2010	3	0	0	417	42	0	0	0	0	459
	Raichur	2010	3	0	0	11490	0	0	0	0	0	11490
	Ramanagar	2010	3	0	0	300	0	0	0	0	0	300
	Shimoga	2010	3	0	0	13217	1480	0	0	0	0	14697
	Tumkur	2010	3	0	0	70425	336	0	0	0	0	70761
Summary for L.S. Disease - Sheep and Goat Pox (14 total records)												
	Total			0	0	591376	25652	0	0	0	0	617028

(v)

Section-B

place survey/ village/town tahsil & district	equine population of village/town surveyed	no. of equines suspected by visual examination for glanders	no. of mallein tested.	no. of mallein positive.	no. apperently healthy & not tested.	remarks if any
1	2	3	4	5	6	7
tq. Kallam dist. osmanabad	62					
tq. Lohara dist. osmanabad	30					
tq. dist. osmanabad	52					
tq. Bhoom dist. osmanabad	170					
tq. Omerga dist. osmanabad	37					
tq. Paranda dist. osmanabad	931					
tq. Washi dist. osmanabad	0					
tq. Tuljapur dist. osmanabad	30					
TOTAL	1312/horses					

(VI)

MONTHLY ANIMAL DISEASE SURVEILLANCE REPORT FOR THE MONTH OF.....

Name of the Institution.....

Sl. No.	Name of the Diseases	Species	Number of			Infected Zone name		Control measures		Remarks
			Outbreak	Attack	Death	Village	Panchayet	Vaccinated	Treated	
	1	2	3	4	5	6	7	8	9	10
1	Foot & Mouth Disease									
2	Hemorrhagic Septicemia									
3	Black Quarter									
4	Anthrax									
5	Rabies									
6	Ranikhet disease									
7	Coccidiosis									
8	Fowl Pox									
9	Fowl Cholera									
10	Infectious Bursal disease									
11	Salmonellosis									
12	Marek's disease									
13	Chronic Respiratory Disease									
14	Duck Cholera									
15	Duck plague									
16	Amphistomiasis									
17	Strongylosis									
18	Ascariasis									
19	Facioliasis									
20	Swine Fever									
21	Mastitis									
22	Babesiosis									
23	Goat Pox									
24	PPR									
25	Mange									
26	Brucellosis									

3.9.7 ANNEXURE-V

(I)

File Artificial Insemination

Save Save & Close Save & New

Artificial Insemination
New

▼ AI Details

Location Details

State: District:

Rural/Urban:

Block: Village:

Centre Details

Centre: Type of Centre:

(II)

File Artificial Insemination

Save Save & Close Save & New

Artificial Insemination
New

Animal Details

Date*:

Animal*: Breed*:

Age: Bull No.:

Lactation: No Yes Last Calf Details:

FS Straws Details: Farmer*:

No of Times Calved: Purchased?: No Yes

(III)

Pregnancy Verification

Pregnancy Verification:

Visit date: Verification Result:

Present Stage:

(IV)

Pregnancy Verification

Pregnancy Verification

Visit date

Verification Result

Present Stage

(V)

Calf Verification

Calf Verification

Calf Verification Date

Calf born No Yes

Calf type

Is Repeated AI No Yes

Remarks

(VI)

Calf Verification

Calf Verification

Calf Verification Date

Calf born No Yes

Calf type

Other

Is Repeated AI No Yes

Remarks

(VII)

File Camp

Save Save & Close Save

Save & New

Camp

Camp Details

Related

Common

- Artificial Inseminations
- Case Treatments
- Vaccinations

Processes

Camp New

Camp Details

Location Details

State

District

Rural/Urban

Block

Village

Camp Details

Name of Camp

Camp Type

Start Date of Camp

End Date of Camp

Name of Institution Conducting The Camp

Number of Prize Distributed

Remarks

(VIII)

Calf Verification

Calf Verification

Calf Verification Date 10/12/2012

Calf born No Yes

Calf type Bull Calf

Is Repeated AI No Yes

Remarks

(XI)

Calf Verification

Calf Verification

Calf Verification Date 10/12/2012

Calf born No Yes

Calf type others Other

Is Repeated AI No Yes

Remarks

(X)

File Case Treatment

Save Save & Close Save & New

Save

Case Treatment
New

Case Treatment Details

Location Details

State District

Rural/Urban

Block Village

Camp Details

Camp

Animal and Case Details

Date * Farmer +

Animal * Animal Breed

Medical Surgical

Gynaccological Infertility

Castration De-Worming

Others