

# Goat Production Management Information System

# GMIS

User Manual (Version 1.2)



**Project Coordinator Unit**  
**All India Coordinated Research Project on Goat Improvement**  
**ICAR-Central Institute for Research on Goats**  
**Makhdoom, Farah, Mathura - 281122 (U.P.) INDIA**  
**(An ISO 9001-2008 certified organization)**



# **Goat Production Management Information System**

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# Introduction

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The animal identification and performance recording of livestock species have been carried out by different developing countries. Animal identification and record keeping are building blocks for enhancing livestock productivity and effective decision making for genetic improvement programme. However, some countries have not been able to follow the animal identification and performance recording, therefore the genetic worth of livestock is not known and some of the breeds are on verge of extinction due to lack of information. However, some countries are recording the performance of livestock on small flock size. This data too is not in a proper format and updated regularly and remain underutilized. It is also difficult to analyze in time frame manner as they are scattered in different registers across the region. Keeping in view of the above facts, the information management software was developed to trace the pedigree as well as its performance. This database is primarily aimed to manage data on goats however; in future it can be modified to fulfill the need of other species too. The software is named “**Goat Production Management Information System**” (GMIS). Presently this software is affordable, sustainable, robust, secure, web enabled and user friendly. E-based centralised information management system can be used for creation of National Data Bank. It is developed using MySQL, PHP, Java running. It can run on both Windows and Linux operating system. This software has structured breeding plan and can easily help in genetic evaluation of animals by which we can easily retrieve information on different aspects of goat production. In GMIS users can enter data on production, reproduction, health mgt., inventory, buck distribution, capacity building, finance and project staff. The entered data can be uploaded on regular basis.

# Important Features

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GMIS is a multiuser, web based & multitasking information management system for of goat production management. This software manages the production data on all economic aspects. GMIS can be used to create national data bank with a facility to update and utilize the data in secure manner through internet.

**Computer Requirements:** Presently the software is hosted and URL is “[pcgoatcirg.icar.gov.in](http://pcgoatcirg.icar.gov.in)”.

Following are the basic requirements of the software.

The GMIS can be run under two operating systems: Linux and Windows

## Linux Base:

Additional Packages:	SQL Server, PHP, Apache 2.0.
Web Server:	IIS 5.1 with Internet Explorer 5 or higher
RAM:	256 MB RAM minimum, 1 GB recommended
Processor:	Pentium IV or compatible CPU, Server based CPU
HDD Requirement	SCSI based servers are recommended. 40 GB space for software installation and appropriate space for data Storage (as per volume of data)
Network:	TCP/IP based Network
Resolution:	1024*768 resolutions

## Windows Base:

Additional Packages:	WAMP Server.
Web Server:	IIS 5.1 with Internet Explorer 5 or higher
RAM:	256 MB RAM minimum, 1 GB recommended
Processor:	Pentium IV or compatible CPU, Server based CPU
HDD Requirement	SCSI based servers are recommended. 40 GB space for software installation and appropriate space for data Storage (as per volume of data)
Network:	TCP/IP based Network
Resolution:	1024*768 resolutions



# Module -1.1 Getting Started with GMIS

The guest user can view information overview of AICRP and development of the projects, knowledge portal and other reports.

To start GMIS, open the portal “[pcgoatcirg.icar.gov.in](http://pcgoatcirg.icar.gov.in)” Home Page will appear. The guest user can access the home page and other available information for getting an overview and general information through other tabs i.e. overview of AICRP, Knowledge portal, AICRP Unit Details, Formats, contact information. The interface is given below in Fig. 1.1

## Guest User:

1. Center Information can access contact details.
2. Knowledge portal, Objective and technical program.

Fig. 1.1 Home page of GMIS

Aug 9 2016 16:39:26 Select Language English

All India Coordinated Research Project on Goat Improvement

Home GMIS Center Formats Knowledge Portal Improved Animal Contact Us Search here...

**ABOUT US**  
ORIGIN  
OBJECTIVE  
ACHIEVEMENT  
AICRP CENTERS  
PUBLICATION  
ANNUAL REVIEW MEETING  
OUR TRAINING PROGRAM  
RESEARCH ACTIVITIES

**Important Links**  
CIRG  
ICAR  
IGA

All India Coordinated Research Project (AICRP) on Goat Improvement is a major long term programme focused to bring upon genetic improvement under prevailing ecosystems and also to conserve goat genetic resources in their area of evolution and adaptation. The project is unique in the sense that it explores genetic variations in local breeds through structured and systematic pedigree and performance recording of farmers' flock. Presently, twelve breeds are covered through fourteen centres across the country, which are coordinated by

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## Module -1.2 Login with GMIS

The registered unit of AICRP on goat improvement can login through predefined login ID and password. Along with password the users will be asked to indicate the module i.e. Inventory, Growth, Milk, Reproduction to be used. Once the user identity is properly authenticated by the server, user is allowed to login and manage the information. The interface is given below in Fig. 1.1.

### Registered User:

1. Click on **GMIS**.
2. Select **Login** tab.
3. Enter **Username**, **Password** and Captcha total (e.g.  $9+7=16$ ).
4. Click on **Login** button to enter Center Home page.

Fig. 1.2 Login interface of GMIS

Home GMIS Center Formats Knowledge Portal Improved Animal Contact Us Search here...

**GMIS**  
Goat Production Management Information System

**User Login**

User Name:

Password:

9 + 7 =

Login Forget Password

All India Coordinated Research Project on Goat Improvement Visitor number: 0001624  
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## Module -2 Inventory

In the module 2 users can manage the Inventory of the unit (Fig 2). This interface includes information on animal, sire, dam ID along with species, breed, location, sex, mode of entry (by birth or purchase), date of birth and case of disposal. Number of progenies produced by the scenario will automatically be taken from the pedigree record. View all the data by clicking on the “stock view”.

1. Click on **Inventory**.
2. Fill the related field.
3. Click on **Submit** button to upload data.
4. Click on **View** button to Show data.

**Fig. 2 Inventory module**

The screenshot displays the 'Live Stock Inventory' web application interface. The header section includes the ICAR logo, the project name 'अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना' (All India Coordinated Research Project on Goat Improvement), and a CIRC logo. A navigation bar at the top lists various modules: Home, Inventory, Growth, Milk Yield, Reproduction, Health Mgmt, Buck Distribution, GIS, Staff, Finance, Capacity Building, Upload, View Data, and Contact Us. The main content area is titled 'Live Stock Inventory' and contains two columns of input fields. The left column includes fields for AnimalID, Type of Birth (a dropdown menu), SireID, DamID, Sex (a dropdown menu), DOB, Age of Dam at Kidding (a dropdown menu), and No. of Progeny. The right column includes fields for ID/ Name of Farmer, Cluster ID (a dropdown menu), Location, Date of Disposal, Cause of Disposal (a dropdown menu), Season of Birth (a dropdown menu), Weight of Dam at Kidding, and Cause of Death. At the bottom of the form, there are three buttons: 'Submit', 'Reset', and 'Stock View'. The footer section contains the project name in Hindi and English, the copyright notice 'Copyright © 2016 PC Unit, ICAR - CIRC, All rights reserved', and links to Home, Privacy Policy, Linking Policy, and Disclaimer.

## Module -3 Growth Record

The module-3 includes body weight and body measurement of the animal. Once animal ID is entered and click on load button then software automatically collects and show sire, dam ID and past growth records from the inventory and growth database. This will authenticate that correct growth information is entered in the field. It also collects information on date of birth, sex, parity of dam from the reproduction database and shows them for verification. Then body weight growth at birth, 3, 6, 9 and 12 months can be updated by entering the data in the field provided. The data on body measurement like BL (Body Length), BH (Body Height), HG (Heart Girth), can also be entered. The growth data at three months interval is shown from relevant databases. This module also generates average daily gains for different age periods.

1. Click on **Growth**.
2. Enter Animal ID then Click on **Load** button to fetch related information.
3. Fill the related field.
4. Click on **Submit** button to upload data.
5. Click on **View Growth Data** button to Show data.

Fig. 3 Growth performance



अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना  
All India Coordinated Research Project on Goat Improvement



Welcome Andaman Goat  
Mar 17 2016 10:30:13  
[Logout](#)

Home Inventory Growth Milk Yield Reproduction Health Mgmt Buck Distribution GIS Staff Finance Capacity Building Upload View Data Contact Us

Search here...

Body Weight Growth

Animal No.  
DOB  
Sire No.  
Dam No.  
Sex

Load

Type of Birth  
Age of Dam at Kidding  
Weight of Dam at kidding  
Parity

Age

Submit

Reset

View Growth Data



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## Module -4 (a) Milk Yield

In this module the information on weekly milk production data for each can be added. The software calculates partial milk yield for 90 days, 140 days, lactation milk yield, lactation period and average daily milk yield for the lactation period. It also automatically calculates the type of kidding, parity from reproduction data base (Fig 4).

1. Click on **Milk Yield**.
2. Enter Animal ID then Click on **Load** button to fetch related information.
3. Fill the related field.
4. Click on **Submit** button to upload data.
5. Click on **Milk Yield Data** button to Show data.

**Fig. 4 (a) Interface for milk production performance**

The screenshot displays the 'Milk Production' interface. At the top, there is a header bar with the ICAR logo, the project name 'अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना' (All India Coordinated Research Project on Goat Improvement), and the CIRG logo. A welcome message 'Welcome Andaman Goat' and the date 'Mar 17 2016 10:31:00' are also visible. Below the header is a navigation menu with links: Home, Inventory, Growth, Milk Yield, Reproduction, Health Mgmt, Buck Distribution, GIS, Staff, Finance, Capacity Building, Upload, View Data, and Contact Us. A search bar is located on the right side of the menu.

The main form area is titled 'Milk Production'. It contains the following fields and controls:

- Animal No. (text input)
- Sire No. (text input)
- Dam No. (text input)
- Parity of Dam (text input)
- Milking in Days (dropdown menu)
- Lactation Length (text input)
- Date of Kidding (text input)
- Weight of Dam at Kidding (text input)
- Type of Kidding (dropdown menu)
- Date of Milk Record (text input)
- Morning Yield(Kg/Lit.) (text input)
- Evening Yield(Kg/Lit.) (text input)
- Remark (text area)
- Total(Kg/Lit.) (text input)

Buttons for 'Load', 'Submit', 'Reset', and 'Milk Yield Data' are located at the bottom of the form.

The footer of the page contains the project name, copyright information 'Copyright © 2016 PC Unit, ICAR - CIRG, All rights reserved', and links for 'Home', 'Privacy Policy', 'Linking Policy', and 'Disclaimer'.

# Module -4(b) Pashmina Production

In this module data on pashmina production is maintained. The information on animal number, its parent, sex, parity, pashmina yield, date of pashmina yield, season and weight of animal at pashmina yield can be added. In this module information on pashmina produced from the pashmina goat can be viewed by clicking view yield button in summarized form.

1. Click on **Pashmina Yield**.
2. Enter Animal ID then Click on **Load** button to fetch related information.
3. Fill the related field.
4. Click on **Submit** button to upload data.
5. Click on **View Yield** button to Show data.

**Fig. 4(b) Interface for pashmina production performance**

**अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना**  
All India Coordinated Research Project on Goat Improvement

Welcome Changthangi Goat  
Mar 17 2016 10:58:26  
[Logout](#)

Home Inventory Growth Pashmina Reproduction Health Mgmt Buck Distribution GIS Staff Finance Capacity Building Upload View Data Contact Us

Search here...

**Pashmina Yield**

Animal No.   Type of Kidding

Sire No.  Parity of Dam

Dam No.  Weight at Pashmina Yield

Sex  Health Status

Date of Pashmina Yield  Pashmina Yield (gram)

Month of Pashmina  Remark

**अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना**  
All India Coordinated Research Project on Goat Improvement

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# Module -5 Reproduction

This module includes reproduction performance of doe and buck goats. Like all modules, if animal ID is given, the information on sire and dam, date of birth will be retrieved from Inventory database. The date of service, weight of animal at service, buck identity, date of kidding, type of kidding can be added. After the information on an individual female is entered in the database the software automatically calculates age at first kidding, kidding interval, gestation, service period and parity (Fig 5.1).

1. Click on **Reproduction** and select **Female**.
2. Enter Animal ID then Click on **Load** button to fetch related information.
3. Fill the related field.
4. Click on **Submit** button to upload data.
5. Click on **View** button to Show data.

**Fig. 5.1 Interface for Female Reproduction data and efficiency**

Header: अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना All India Coordinated Research Project on Goat Improvement Welcome Andaman Goat Mar 17 2016 10:31:40 Logout

Navigation: Home Inventory Growth Milk Yield Reproduction Health Mgmt Buck Distribution GIS Staff Finance Capacity Building Upload View Data Contact Us Search here...

**Female Reproduction**

Doe No	<input type="text"/>	Load	Type of Birth	Select ▼
Sire No	<input type="text"/>		Kid ID1	<input type="text"/>
Dam No	<input type="text"/>		Kid ID2	<input type="text"/>
DOB	<input type="text"/>		Kid ID3	<input type="text"/>
Weight at Service	<input type="text"/>		Kid ID4	<input type="text"/>
Date of Service	<input type="text"/>		Kid ID5	<input type="text"/>
A. I.	Select ▼		Gestation Period (Days)	<input type="text"/>
Date of Kidding	<input type="text"/>		Service Period (Days)	<input type="text"/>
Weight at Kidding	<input type="text"/>		Age of Kidding (Days)	<input type="text"/>
Parity	Select ▼		Kidding Interval (Days)	<input type="text"/>
Age of First Kidding (Days)	<input type="text"/>		Age of First Service (Days)	<input type="text"/>
Kidding Difficulty	<input type="text"/>		Remark	<input type="text"/>

Submit Reset View

Footer: अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना All India Coordinated Research Project on Goat Improvement Copyright © 2016 PC Unit, ICAR - CIRG, All rights reserved | Home | Privacy Policy | Linking Policy | Disclaimer |



In Male reproduction, information related to semen quality i.e. No. of live & dead spermatozoa, thickness, progressive motility can be added. Similarly, the details regarding performance of buck i.e. number of does mated, weight at 6 Month, 9 Month and dam milk yield 90 days at top bar will be automatically shown on the right side of the screen.

1. Click on **Reproduction** and select **Male**.
2. Enter Animal ID then Click on **Load** button to fetch related information.
3. Fill the related field.
4. Click on **Submit** button to upload data.

**Fig. 5.2 Interface for Male Reproduction data and efficiency**

The screenshot shows the web interface for the All India Coordinated Research Project on Goat Improvement. The header includes the project name in Hindi and English, the ICAR logo, and a welcome message for Andaman Goat. The navigation bar lists various modules: Home, Inventory, Growth, Milk Yield, Reproduction, Health Mgmt, Buck Distribution, GIS, Staff, Finance, Capacity Building, Upload, View Data, and Contact Us. A search bar is located on the right. The main content area is divided into two sections: 'Male Reproduction' and 'Performance'. The 'Male Reproduction' section contains fields for Buck No., Sire No., Dam No., DOB, Semen Quality, Semen Quantity (ml), Live & Dead Sperm (%), Progressive Mortality (%), Type of Birth, Date of Semen Collection, Type of Mating, Place of Mating, Date of Mating, ID of Doe, Thickness, PH, and Comment. The 'Performance' section contains fields for Weight at 6 Month, Weight at 9 Month, Dam 90 Days Yield, Buck Age, and Doe Mating No. The interface also includes a 'Load' button for fetching information and 'Submit' and 'Reset' buttons for saving data.

# Module -6 Health Management

Health management modules has three sub-module i.e. health management operations, physiological response and mortality.

## 6.1 Health Management Operation:

This module includes the details of preventive health care. After each visit to the cluster / village information on vaccination and treatment related data can be added (Fig. 6.1).

1. Click on **Health Mgmt.**
2. Fill the related field.
3. Click on **Submit** button to upload data.
4. Click on **View Visit** button to Show data.

Fig. 6.1 Interface for Health Management

The screenshot displays the 'Health Management Operations' web interface. At the top, there is a header bar with the ICAR logo on the left, the project title 'अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना' (All India Coordinated Research Project on Goat Improvement) in the center, and a 'Welcome Andaman Goat' message with a date and time on the right. Below the header is a navigation menu with links: Home, Inventory, Growth, Milk Yield, Reproduction, Health Mgmt, Buck Distribution, GIS, Staff, Finance, Capacity Building, Upload, View Data, and Contact Us. A search bar is also present. The main content area is titled 'Health Management Operations' and contains a form with the following fields: 'Name of Project Worker' (text input), 'Name of Villages' (text input), 'Treatment / Vaccines used' (text input), 'Goats Covered' (text input), 'Date of Activity' (text input), 'Name of Cluster' (dropdown menu), 'Type of Activity' (dropdown menu), 'Adopted Flock' (checkbox), 'Non Adopted Flock' (checkbox), 'Period of Activity' (text input), 'From' (text input), 'To' (text input), and 'Number of Days' (text input). At the bottom of the form are three buttons: 'Submit', 'Reset', and 'View Visits'. The footer of the page contains the ICAR logo, project name, copyright notice 'Copyright © 2016 PC Unit, ICAR - CIRG, All rights reserved', and links to 'Home', 'Privacy Policy', 'Linking Policy', and 'Disclaimer'.

## 6.2 Physiological Response:

Physiological response, the sub module of health mgmt. includes data on heart rate, rectal temperature and surface temperature, humidity, environment temperature. By clicking physiological response button user can view physiological report of all animals in summarized form Fig. 6.2.

1. Click on **Health Mgmt** and select **Physiological Responses**.
2. Fill the related field.
3. Click on **Submit** button to upload data.
4. Click on **Physiological Report** button to Show data.

**Fig. 6.2 Interface for Physiological Response data**

अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना  
All India Coordinated Research Project on Goat Improvement

Welcome Andaman Goat  
Mar 17 2016 10:34:44  
[Logout](#)

Home Inventory Growth Milk Yield Reproduction Health Mgmt Buck Distribution GIS Staff Finance Capacity Building Upload View Data Contact Us

Search here...

**Physiological Response**

Animal No.  Date of Recording   
Sex  Recording Month   
Age Group  Respiration Rate (RR)   
Heart Rate (HR)  Surface Temperature   
Rectal Temperature (RT)  Humidity   
Environmental Temperature  Remark

[Physiological Report](#)

अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना  
All India Coordinated Research Project on Goat Improvement

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### 6.3 Mortality:

The sub module mortality of health management includes mortality report of individual goat. In this module entry of mortality related information viz. animal number, sex, data of birth, date of death, age group, postmortem conducted by and cause of death can be added. By clicking view button user can see all mortality information in summarized form.

1. Click on **Health Mgmt** and select **Mortality**.
2. Enter Animal ID then Click on **Load** button to fetch related information.
3. Fill the related field.
4. Click on **Submit** button to upload data.
5. Click on **View** button to Show data.

**Fig. 6.3 Interface for Mortality data**

अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना  
All India Coordinated Research Project on Goat Improvement

Welcome Andaman Goat  
Mar 17 2016 10:34:03  
[Logout](#)

Home Inventory Growth Milk Yield Reproduction Health Mgmt Buck Distribution GIS Staff Finance Capacity Building Upload View Data Contact Us

Search here...

**Mortality**

Animal No.   Age Group   
Sex  Postmortem Conducted by   
Date of Birth  Cause of Death   
Date of Death

[View](#)

अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना  
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# Module -7 Buck Distribution

In buck distribution module user can maintain the records of Buck Distribution of field and income generated by the center. Details of the name of cluster, tag no, name of village, name of farmer, mode of distribution, date of buck provided can be added. By clicking view button user can see all buck distribution record in summarized form.

1. Click on **Buck Distribution**.
2. Fill the related field.
3. Click on **Submit** button to upload data.
4. Click on **View** button to Show data.

**Fig. 7 Interface for Buck Distribution data GMIS**

The screenshot displays the 'Buck Distribution' interface of the GMIS. At the top, there is a header bar with the ICAR logo on the left, the project name 'अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना' (All India Coordinated Research Project on Goat Improvement) in the center, and the CIRG logo on the right. A welcome message 'Welcome Andaman Goat' and the date 'Mar 17 2016 10:35:31' are also present. Below the header is a navigation menu with links: Home, Inventory, Growth, Milk Yield, Reproduction, Health Mgmt, Buck Distribution, GIS, Staff, Finance, Capacity Building, Upload, View Data, and Contact Us. A search bar is located on the right side of the menu.

The main content area is titled 'Buck Distribution'. It contains a form with the following fields:

Name of Cluster	<input type="text"/>	Tag No	<input type="text"/>
Name of Village	<input type="text"/>	Criteria	<input type="text"/>
Name of Farmer	<input type="text"/>	Mode of Distribution	<input type="text"/>
Date of buck Provided	<input type="text"/>	Remark	<input type="text"/>

Below the form are three buttons: 'Submit', 'Reset', and 'View'.

The footer of the page contains the following information:

अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना  
All India Coordinated Research Project on Goat Improvement

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# Module-8 Geographical Information System (GIS)

In Geographical Information System (GIS) user can know about the scientific location of unit comprising different agro climatic zone, latitude, longitude and climatic variable in the particular area. Similarly timings of sunrise and sunset, rainfall can be added.

1. Click on **GIS** and select **Add**.
2. Fill the related field.
3. Click on **Submit** button to upload data.

**Fig. 8 Interface for Geographical Information System**

The screenshot displays the web interface for the Geographical Information System (GIS). At the top, there is a header with the ICAR logo, the project name 'अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना' (All India Coordinated Research Project on Goat Improvement), and a welcome message for 'Andaman Goat' dated 'Apr 22 2016 15:02:35'. Below the header is a navigation bar with links: Home, Inventory, Growth, Milk Yield, Reproduction, Health Mgmt, Buck Distribution, GIS, Staff, Finance, Capacity Building, Upload, View Data, and Contact Us. The main content area is titled 'Geographical Information System' and contains a form for adding geographical data. The form has two columns of input fields. The left column includes: Location, Name of Cluster, Latitude, Climate Variable (with a dropdown menu), Sun Shine, and Rainfall. The right column includes: Agro Climate Zone, Cluster ID (with a dropdown menu), Longitude, Temperature (with sub-fields for Min Temperature and Max Temperature), Sunset, and Remark. At the bottom of the form are 'Submit' and 'Reset' buttons. The footer of the page contains the ICAR logo, project name, copyright notice 'Copyright © 2016 PC Unit, ICAR - CIRG, All rights reserved', and links for Home, Privacy Policy, Linking Policy, and Disclaimer.



# Module -9 Project Staff

In this module user can manage the staff strength of the unit by adding details about new staff appointed at unit (Fig. 9). This includes name of staff, designation (Project Incharge, Co-Project Incharge, RA/SRF and other staff), designation, pay scale and date of joining, present basic pay and date of Relieving. In addition user can add the photograph of each staff.

1. Click on **Staff** and select **Add Staff**.
2. Fill the related field.
3. Click on **Submit** button to upload data.
4. Click on **Staff** and select following to view detail.

**Fig. 9 Interface for project Staff data**

The screenshot displays the 'Staff' interface for adding staff data. The header features the logos of ICAR and CIRG, along with the text 'अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना' and 'All India Coordinated Research Project on Goat Improvement'. A navigation bar includes links like Home, Inventory, Growth, Milk Yield, Reproduction, Health Mgmt, Buck Distribution, GIS, Staff, Finance, Capacity Building, Upload, View Data, and Contact Us. The main form area is titled 'Staff' and contains the following fields:

- Name of Staff:
- Staff Image:  No file chosen
- Designation:
- Pay Scale:
- Remark:
- Date of Joining:
- Present Basic Pay:
- Date of Relieving:

Below the form, there are 'Submit' and 'Reset' buttons. A 'Note' section provides instructions:

- Image must be in jpg, png format.
- Do not use special character.
- Max Image size 5 MB.
- Single images can be uploaded.

The footer contains the project name, copyright information (Copyright © 2016 PC Unit, ICAR - CIRG, All rights reserved), and links to Home, Privacy Policy, Linking Policy, and Disclaimer.

# Module -10 Finance and Accounts

In finance module information related to budget allotted to unit, fund utilization, head wise fund utilization and income generation can be maintained.

## 10.1 Budget Estimate (BE)

Allotted budget of each unit for the financial year is shown in this section.

- Click on **Finance** and select **Budget Estimate** to view BE.

## 10.2 Revised Estimate (RE)

The installment wise amount distributed by PC Unit to each unit is shown in this section.

- Click on **Finance** and select **Revised Estimate** to view RE.

## 10.3 Fund Utilization

In this module user can submit the details about head-wise monthly fund utilization. Overall budget details i.e. balance funds and expense details can be viewed by clicking on “fund detail”.

- Click on **Finance** and select **Fund Utilization**.
- Fill the related field.
- Click on **Submit** button to upload data.
- Click on **Fund Detail** button to new details.

Fig. 10.3 Interface for fund utilization

**Monthly Fund Utilization**

Name of the Center:  Select  
Month / Year:  Select | 2016-2017 | Date:  yy-mm-dd

**Capital**  
Work:   
Equipment:   
Live stock:   
Furniture:   
Others:

**Name of the Scheme / Project**  
Estt. Charges:

**General**  
TA:   
HRD:   
Contingent:   
Others:   
Total Amount:

## 10.4 Head Wise Fund Utilization

User can view fund utilization annually, monthly and head-wise.

- Click on **Finance** and select **Head Wise Fund Utilization** to view Head Wise fund Utilization details.

## 10.5 Income Generation

In this module, details of the income generated by selling a buck/goat to the farmers are maintained. The details of Farmer to which the goat/buck distributed, his concern village, mode and date of distribution, and the amount of the buck/goat can be added.

- Click on **Finance** and select **Income Generation**.
- Fill the related field.
- Click on **Submit** button to upload data.
- Click on **View Income** button to Show data.

Fig. 10.5 Interface for Resource Generation

The screenshot shows the 'Resource Income' form within the AICRGP web application. The form is titled 'Resource Income' and contains the following fields:

- Name of Farmer
- Animal No.
- Mode of Distribution
- Value (Rs)
- Name of Village
- Age Group (with a dropdown menu)
- Date of Distribution (with a date picker)
- Remark

Below the form are three buttons: Submit, Reset, and View Income.

The page header includes the project name in Hindi and English, the CIRG logo, and a welcome message for Andaman Goat. The footer contains the project name, copyright information, and links to Home, Privacy Policy, Linking Policy, and Disclaimer.

## 10.6 Proposed RE

In this module user can add the details of revised estimate (RE). The head-wise details of funds required by concerned unit can be added. Whenever PC unit demands for revised estimate, user can submit their details via this module.

1. Click on **Finance** and select **Proposed RE**.
2. Fill the related field.
3. Click on **Submit** button to upload data.
4. Click on **RE Detail** button to Show data.

**Fig. 10.6 Interface for Revised Estimate**

**Proposed Revised Estimate**

Name of the Center:  Year:  Date:

Capital		Name of the Scheme / Project	General	
Work	<input type="text"/>		TA	<input type="text"/>
Equipment	<input type="text"/>		HRD	<input type="text"/>
Live stock	<input type="text"/>	Estt. Charges <input type="text"/>	Contingent	<input type="text"/>
Furniture	<input type="text"/>		Others	<input type="text"/>
Others	<input type="text"/>		Total Amount	<input type="text"/>

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# Module -11 Capacity Building

The capacity building modules the data on training conducted at each unit, farm and field visit of unit staff to different clusters, information on exposure visit, awareness camp and farmer registration is maintained.

## 11.1 Training

In this module, details about the trainings are maintained. The basic details i.e. title of the training, duration and farmers participated can be added. In photograph upload, photographs of the training can be uploaded. The image should be in .jpg, .png, .gif, .bmp formats. Size of the image should be less than 5 MB. Five images can be uploaded at a time for complete upload. The overall summary of the trainings held at the center can be viewed by clicking on training summary.

1. Click on **Capacity Building** and select **Training**.
2. Fill the related field.
3. Click on **Submit** button to upload data.
4. Click on **Training Summary** button to Show data.

Fig. 11.1 Interface for Training

The screenshot displays the 'Training' form within a web application. The header includes the ICAR logo, the project name in Hindi and English, the CIRG logo, and a user welcome message. A navigation bar at the top lists various modules, with 'Capacity Building' highlighted. The main form area contains fields for 'Title of Training', 'Farmers / Stakeholder Participated', 'Photographs Upload' (with a file selection button and status), 'Start Date', 'End Date', and 'Number of Days'. A large text area is provided for 'About Training (300 Words)'. At the bottom of the form are 'Submit', 'Reset', and 'Training Summary' buttons. A 'Note' section specifies image upload requirements: .jpg, .png, .gif, .bmp formats; maximum size of 5 MB; and a limit of 5 images per upload. The footer contains the project name, copyright information for 2016, and links to Home, Privacy Policy, Linking Policy, and Disclaimer.

अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना  
All India Coordinated Research Project on Goat Improvement

Welcome Andaman Goat  
Mar 17 2016 10:42:56  
[Logout](#)

Home Inventory Growth Milk Yield Reproduction Health Mgmt Buck Distribution GIS Staff Finance Capacity Building Upload View Data Contact Us

Search here...

Training

Title of Training

Farmers / Stakeholder Participated

Photographs Upload  No file chosen

Start Date

End Date

Number of Days

About Training (300 Words)

Note:

- Image must be in .jpg, .png, .gif, .bmp format.
- Max image size 5 MB.
- 5 images can be uploaded at a time.

अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना  
All India Coordinated Research Project on Goat Improvement

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## 11.2 Farm/ Field visit

This module helps user to maintain the records of visits made by the staff. The user can add the details about the purpose of visit, place/ cluster/village visited duration and nature of work carried out.

1. Click on **Capacity Building** and select **Farm/ Field Visit**.
2. Fill the related field.
3. Click on **Submit** button to upload data.
4. Click on **View Visit** button to Show data.

Fig. 11.2 Interface for Farm/ Field visit

The screenshot displays the 'Farm / Field Visit' form within a web application. The header section features the ICAR logo, the project title 'अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना' (All India Coordinated Research Project on Goat Improvement), and a user welcome message for 'Andaman Goat' dated 'Mar 17 2016 10:43:30'. A navigation menu at the top includes links like Home, Inventory, Growth, Milk Yield, Reproduction, Health Mgmt, Buck Distribution, GIS, Staff, Finance, Capacity Building (selected), Upload, View Data, and Contact Us. The form is titled 'Farm / Field Visit' and contains two columns of input fields. The left column includes 'Name of Employee', 'Headquarters', 'Purpose of Visit', 'Distance in Kms.', 'Work Carried Out', and 'Date'. The right column includes 'Designation', 'Cluster Visited', 'Villages Attended', 'Nature of Work' (with a dropdown menu), 'Arrival', 'Departure', and 'Number of Days'. At the bottom of the form are 'Submit', 'Reset', and 'View Visits' buttons. The footer contains the project name, copyright information for 2016, and links to Home, Privacy Policy, Linking Policy, and Disclaimer.

## 11.3 Exposure Visit

This module helps user to maintain the records of exposure visit. In this module entry of exposurer visit related information viz. date of visit, name of farmer, technology distributed, feedback can be added. By clicking view button user can view all exposurer visit information in summary.

1. Click on **Capacity Building** and select **Exposure Visit**.
2. Fill the related field.
3. Click on **Submit** button to upload data.
4. Click on **View** button to Show data.

**Fig. 11.3 Interface for Exposure Visit**

अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना  
All India Coordinated Research Project on Goat Improvement

Home Inventory Growth Milk Yield Reproduction Health Mgmt Buck Distribution GIS Staff Finance Capacity Building Upload View Data Contact Us

Exposure Visit

Date of Visit  Number of Farmers   
 Technology Demonstrated  Literature Distributed   
 Feedback  Remark

## 11.4 Awareness Camp

This module helps user to maintain the records of awareness camp conducted by the project staff. In this module entry of awareness camp related information viz. name of cluster, name of village, number of farmer, technology distributed, date of camp, feedback can be added. By clicking view button we can view all awareness camp information in summary.

1. Click on **Capacity Building** and select **Awareness Camp**.
2. Fill the related field.
3. Click on **Submit** button to upload data.
4. Click on **View** button to Show data.

**Fig. 11.4 Interface for Awareness Camp**

अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना  
All India Coordinated Research Project on Goat Improvement

Home Inventory Growth Milk Yield Reproduction Health Mgmt Buck Distribution GIS Staff Finance Capacity Building Upload View Data Contact Us

Awareness Camp

Name of Cluster  Name of Village   
 Number of Farmers  Technology Distributed   
 Date of Camp  Details of Awareness Camp   
 Technical Literature Distributed  Remark

## 11.5 Farmer Registration

This module maintains the information on registered farmers. In this module entry of adopted farmer related information viz. name of farmer, mobile number, number of goat, registration date, address of farmer can be added. By clicking view button user can view all farmers information in summary.

1. Click on **Capacity Building** and select **Farmers Registration**.
2. Fill the related field.
3. Click on **Submit** button to upload data.
4. Click on **View** button to Show data.

**Fig. 11.5 Interface for Farmer's Registration**

The screenshot displays the 'Farmer Registration' web interface. At the top, there is a header with the ICAR logo on the left, the project name 'अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना' (All India Coordinated Research Project on Goat Improvement) in the center, and a CIRG logo on the right. A navigation bar below the header contains links: Home, Inventory, Growth, Milk Yield, Reproduction, Health Mgmt, Buck Distribution, GIS, Staff, Finance, Capacity Building, Upload, View Data, and Contact Us. A search bar is also present. The main content area is titled 'Farmer Registered' and contains a form with the following fields: Farmer Name, Mobile No., Number of Goats, Address with Pin, and Registration Date. Below the form are three buttons: Submit, Reset, and View. The footer of the page contains the project name, copyright information (© 2016 PC Unit, ICAR - CIRG), and links to Home, Privacy Policy, Linking Policy, and Disclaimer.

## 11.6 Cluster/ Village

This module maintains the information about the clusters and number of villages covered by the units. In this module entry of number of cluster covered, number of village covered, date of updation and remark can be added. By clicking view button user can view all farmers' information in summary.

1. Click on **Capacity Building** and select **Cluster/ Village**.
5. Fill the related field.
6. Click on **Submit** button to upload data.
7. Click on **View** button to Show data.

**Fig. 11.6 Interface for Cluster/ Village**

The screenshot displays the 'Cluster/ Village' interface. At the top, there is a header bar with the ICAR logo on the left, the project name 'अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना' and 'All India Coordinated Research Project on Goat Improvement' in the center, and the CIRG logo on the right. A welcome message 'Welcome Andman Goat' with the date 'Sep 9 2016 12:20:28' and a 'Logout' link is also present. Below the header is a navigation menu with links: Home, Inventory, Growth, Milk Yield, Reproduction, Health Mgmt, Buck/ Doe, GIS, Staff, Finance, Capacity Building, Upload, View Data, and Contact Us. A search bar is located on the right side of the menu.

The main content area is titled 'Cluster/ Village'. It contains four input fields: 'Number of Cluster', 'Number of Village', 'Date of Updation', and 'Remark'. Below these fields are three buttons: 'Submit', 'Reset', and 'View'.

The footer of the page contains the ICAR logo, the project name, the copyright notice 'Copyright © 2016 PC Unit, ICAR - CIRG, All rights reserved', and links to 'Home', 'Privacy Policy', 'Linking Policy', and 'Disclaimer'.

# Module -12 Upload Data File

## 12.1 Upload with Excel

This module help user to direct upload the bulk data by the excel sheet. The formats for excel upload are already with to unit incharges. This direct upload facility is optional to manual entry of data. Here data related to inventory, growth, production, reproduction, mortality can be uploaded directly. After uploading excel data will be entered into respective field of each module.

1. Click on **Upload** and select **Excel**.
2. Select Category field.
3. Choose related excel file.
4. Click on **Upload** button to upload data.

Fig. 12.1 Interface Excel Upload in GMIS

अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना  
All India Coordinated Research Project on Goat Improvement

Home Inventory Growth Milk Yield Reproduction Health Mgmt Buck Distribution GIS Staff Finance Capacity Building Upload View Data Contact Us

Search here

Upload Excel file

Excel file:   No file chosen

Note : It takes upto 15 Min.

अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना  
All India Coordinated Research Project on Goat Improvement

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## 12.2 Upload with PDF

In this module PDF copy of leaflet/ pamphlets/ monograms, package of practices, success stories in local language Published by the unit can be uploaded. These uploaded files will be available for farmers/ stockholders for download.

1. Click on **Upload** and select **PDF/ DOC**.
2. Choose related excel file.
3. Select Category field.
4. Click on **Upload** button to upload data.
5. Click on **View PDF** to show data.

Fig 12.2 Interface Excel Upload in GMIS

The screenshot displays the GMIS (Goat Management Information System) interface. At the top, there is a header bar with the ICAR logo on the left, the text 'अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना' (All India Coordinated Research Project on Goat Improvement) in the center, and the CIRG logo on the right. Below the header, a navigation menu contains links: Home, Inventory, Growth, Milk Yield, Reproduction, Health Mgmt, Buck Distribution, GIS, Staff, Finance, Capacity Building, Upload, View Data, and Contact Us. A search bar is located on the right side of the header.

The main content area is titled 'Upload PDF/DOC file'. It features a text input field labeled 'Upload PDF/DOC file:' with a 'Choose file' button and a 'No file chosen' status. Below this, there are two buttons: 'Upload' and 'View PDF'. To the right of the 'Upload' button is a dropdown menu with the following options: Select, Select, Leaflet (highlighted), Pamphlet, Monogram, Breed Information, Success Stories, Impact of Technology, Package of Practices, and Technology Development.

The footer of the interface contains the ICAR logo, the project name 'अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना' (All India Coordinated Research Project on Goat Improvement), the copyright notice 'Copyright © 2016 PC Unit, ICAR - CIRG, All rights reserved', and links to Home, Privacy Policy, Linking Policy, and Disclaimer.

# Module -13 View Data

This module helps user to view the overall summary of inventory, growth, milk yield health management, capacity building. Here user can edit as well delete or manage the entered data.

1. Click on **View data**.
2. Choose related field to show data.

**Fig 13 Interface of View Data in GMIS**



# Module -14 Contact Us

In this module users contact information is available. One can contact us in working hours in case of any query regarding GMIS as well as user can manage password in “Change Password” module. By entering your registered user ID and email ID, user can reset new password.

1. Click on **Contact Us** regarding any query and difficulty faced.

## Change Password:

1. Click on **Contact Us** select **Change Password**.
2. Fill the related field.
3. Click on **Submit** button to change your password.

**Fig 14 Interface of Change Password in GMIS**

The screenshot displays the 'Change Password' interface of the GMIS (Goat Management Information System). The header features the ICAR logo on the left, the project name 'अखिल भारतीय बकरी सुधार समन्वित शोध परियोजना' (All India Coordinated Research Project on Goat Improvement) in the center, and the CIRC logo on the right. A navigation bar below the header lists various modules: Home, Inventory, Growth, Milk Yield, Reproduction, Health Mgmt, Mortality, GIS, Staff, Finance, Capacity Building, Upload, View Data, and Contact Us. The main content area is titled 'Password Reset' and contains the following fields and buttons:

- Username:** Input field labeled 'User Name'.
- Email ID:** Input field labeled 'Email ID'.
- New Password:** Input field labeled 'New Password'.
- Retype password:** Input field labeled 'Re Enter Password'.
- Captcha:** Input field labeled 'Enter Captcha' with a visual captcha showing '7 + 7' and a 'Captcha' button.
- Buttons:** 'Submit' and 'Reset' buttons.

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# All India Coordinated Research Project on Goat Information





# AICRP(Goat)Units



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