

**Renewable Natural Resources Census 2009  
Database**

**Ministry of Agriculture  
Royal Government of Bhutan**

**Database User Manual**

***Financial support:*** Decentralized Natural resources Management Project of the EUSPS of the Ministry of Agriculture.

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**Database: Inside the enclosed CD**

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**Renewable Natural Resources Census 2009 Database**  
**Ministry of Agriculture**  
**Thimphu**

## **Background**

This database was developed based on the RNR census 2009 Questionnaire of the Ministry of Agriculture using Microsoft Access 2003. The database consists of Graphical Interface (Front-End) for imputing data and Tables (Back-End) for storing the data. The database has been thoroughly tested for its incompetence and proper functioning by using the completed questionnaire with dummy entries.

## **System requirements**

The database will function perfectly on the computer with the following specifications.

- Windows XP Professional
- Office 2003
- + 250 MB RAM
- Higher capacity Hard Disk.
- Screen resolution of 1280 by 600 pixels

## **Rationale**

The purpose of this manual is to give the users the general skills required for installing and operating of this database. To ease the users, to the best possible extent, the database has been designed to look very much like the questionnaire itself and followed the sequence of the contents of the questionnaire.

## **Database installation**

The database software is provided in the CD. When you open the CD you will see a database file as shown below. Copy this file to your computer and locate under a separate folder. Eg. C\RNRDBASE\file.

***Fig.1: Database file***



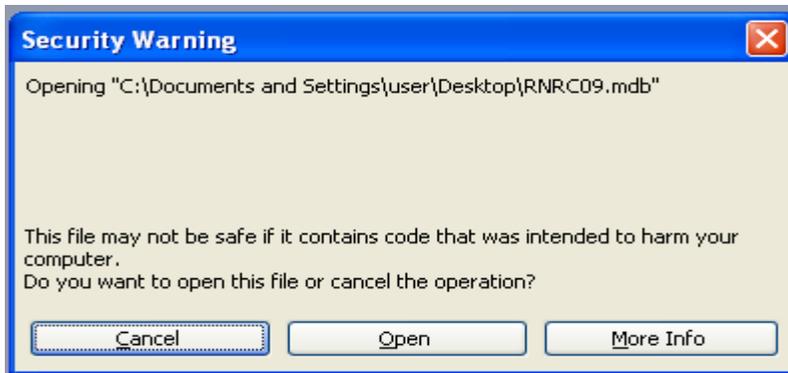
Double click on the file and you will be asked to enter the Password.

**Fig.2: Password entry dialogue box.**



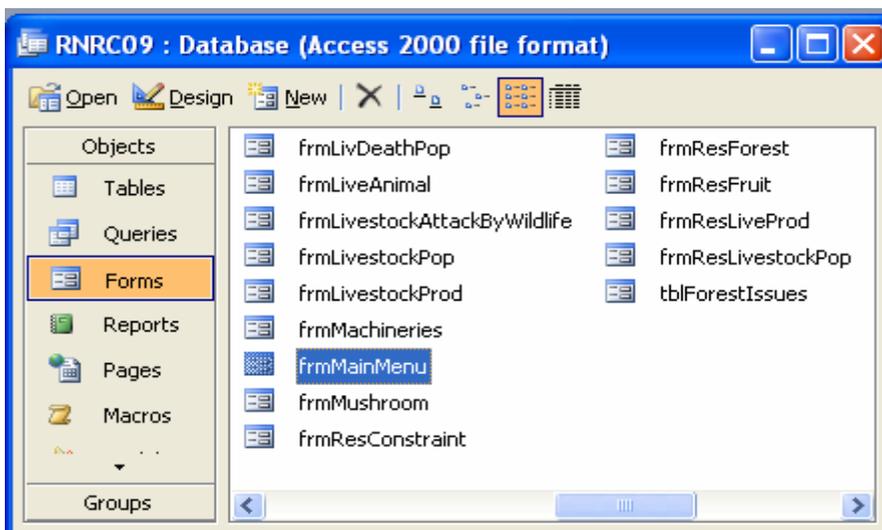
The password is "rnr2009". Enter the password and click OK and you will see the security warning dialogue box.

**Fig.3: Security warning dialogue box**



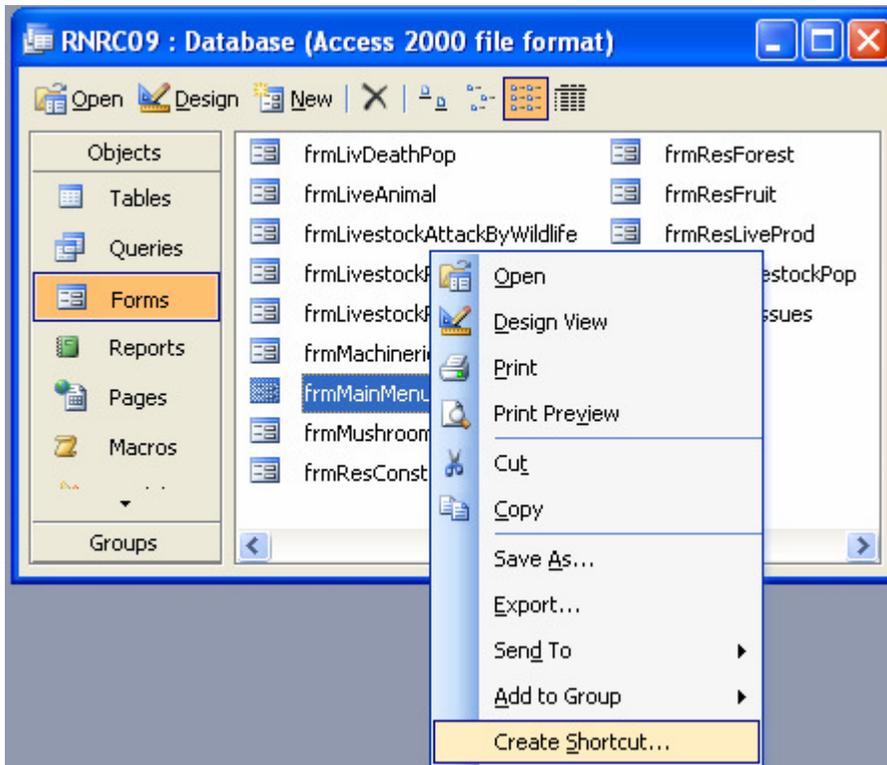
At the present, the cursor has focused on the "Cancel" button. Move the cursor on to "Open" button by pressing on the "right arrow" (→). While the focus of the cursor is on the "Open" button, press and hold "Shift tab" and press "Enter" tab to open the Database Windows (Fig.4) as seen below.

**Fig.4: Database Windows**

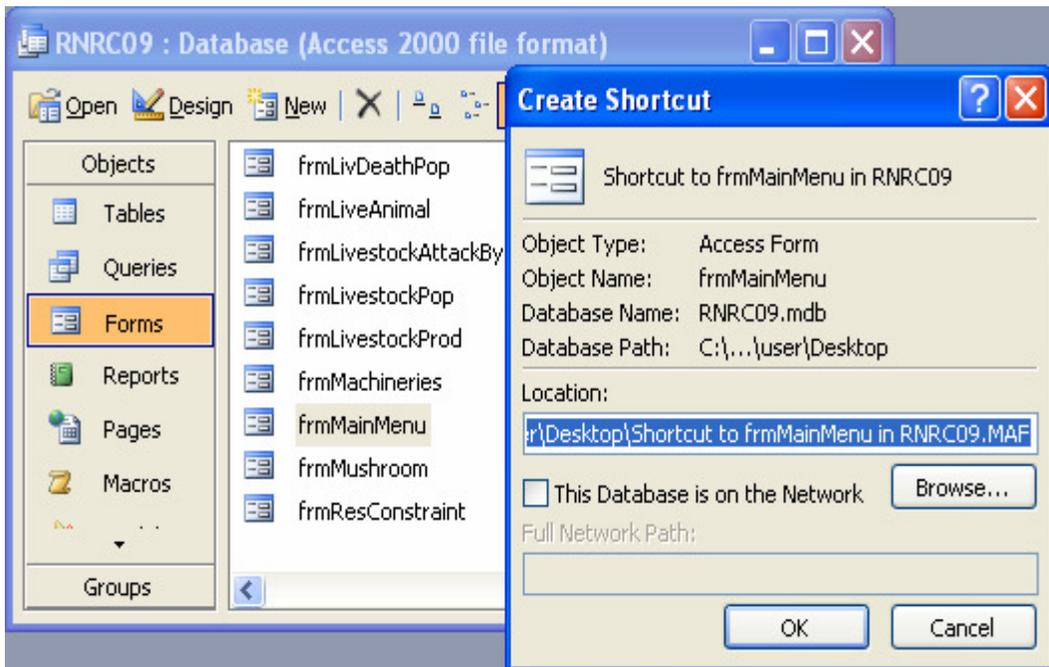


Right click on the “frmMainMenu”, point the cursor on the “Create Shortcut (Fig.5), and then click on OK (Fig.6).

**Fig.5: Creating a shortcut-step1**



**Fig.6: Creating shortcut-step2**



Close all what you have opened and you will see that a shortcut of the database (Fig.7) has been created on the desktop.

**Fig.7: Shortcut Icon**



Rename the Shortcut Icon as “**RNR C09**”. You can do this renaming by right-clicking on the Shortcut Icon and typing the RNR C09.

## Database operations

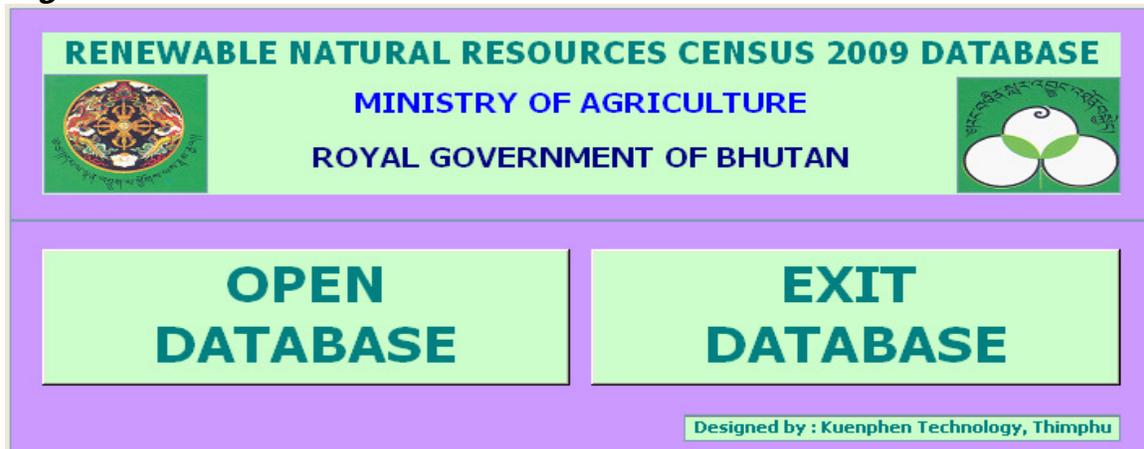
A database shortcut icon “**RNR C09**” as shown below (Fig.8) will be seen on the desktop. The password of the database is **rnr2009**.

**Fig.8: The Database Shortcut Icon**



When click on this database icon you will be asked to enter the password. After entering the password “rnr2009” and then click on OK, the Database Menu as illustrated below (Fig.9) will be opened.

**Fig.9: The Main Menu**



The menu gives the two main options as **OPEN DATABASE** and **EXIT DATABASE**. If you choose to click on the “**EXIT DATABASE**” the database will quit or go off but if choose to click on “**OPEN DATABASE**” the following will be opened. This is the **first and key data entry form**

(Fig.10) of the database. This is also called sub-menu. There are many data entry forms. The buttons seen below the form are the **command buttons** to open those data entry forms.

**Fig.10: Background Information of the respondent.**

| Background Information of the Respondent   |       |                                |  |
|--|-------|--------------------------------|--|
| RespondentID   | 10000 | Respondent's name              |  |
| Dzongkhag  |       | Age                            | 0  |
| Geog   |       | Sex                            | 0  |
| Town   |       | Relationship to household head | 0  |
| Chiwog   |       | Distance to motor road point   | 0  |
| Village  |       | Nearest extension center       |  |
|  |       | Distance to extension center   | 0  |
| <div style="display: flex; justify-content: space-around;"> <span>Income Sources</span> <span>Machineries</span> <span>Land holdings and Tenure</span> <span>Crop Productions</span> <span>Fruits Productions</span> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <span>Livestock Population</span> <span>Livestock Productions</span> <span>Forest Products and Issues</span> <span>Farm Constraints</span> <span>Food Security</span> </div> <div style="margin-top: 5px;"> <span>Enumerators / Supervisors' comments</span> </div> |       |                                | <div style="margin-bottom: 20px; text-align: center;">Add Record</div> <div style="text-align: center;">Close Database</div> |

After punching the data in the first form (Background Information), click on the first command button to open the second data entry form (Fig.11).

**Fig. 11: Sources of household cash income.**

| Sources of household cash income |                          |      |                           |                          |      |
|----------------------------------|--------------------------|------|---------------------------|--------------------------|------|
| RespondentID                     | 10000                    |      |                           |                          |      |
| Sources of cash income           | Tick                     | Rank | Sources of cash income    | Tick                     | Rank |
| Horticulture crops               | <input type="checkbox"/> | 0    | Salaries / Wages          | <input type="checkbox"/> | 0    |
| Cereal grains                    | <input type="checkbox"/> | 0    | Remittances               | <input type="checkbox"/> | 0    |
| Livestock products               | <input type="checkbox"/> | 0    | Contract works            | <input type="checkbox"/> | 0    |
| Non-wood forest products         | <input type="checkbox"/> | 0    | Bussiness                 | <input type="checkbox"/> | 0    |
| Horses /Mules transports         | <input type="checkbox"/> | 0    | Other off-farm activities | <input type="checkbox"/> | 0    |
| Motor transport services         | <input type="checkbox"/> | 0    |                           |                          |      |
| Save and Exit                    |                          |      |                           |                          |      |

After having completed the second form (above), click on “Save and Exit” button to close this form and to return to the sub-menu. When you are on the sub-menu, you will see that your cursor has already got focused on the next command button which means that you just need to press enter to open the next form (Fig.12). The general rule in operating this database is that the space bar and the enter tab are used most of the

times. The mouse has very little use in operation of the database. It is mostly required to use only when you proceed to click on “Save and Exit” buttons.

**Fig.12: Farm Machineries and equipments.**

| Farm Machineries and Equipments |                                |                                |                           |                                |                                |  |
|---------------------------------|--------------------------------|--------------------------------|---------------------------|--------------------------------|--------------------------------|--|
| RespondentID                    | 10000                          |                                |                           |                                |                                |  |
| Machineries                     | Individual                     | Community                      | Machineries               | Individual                     | Community                      | <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <b>Save and Exit</b> </div> |
| Tractors                        | <input type="text" value="0"/> | <input type="text" value="0"/> | Rotary paddy weeder       | <input type="text" value="0"/> | <input type="text" value="0"/> |  |
| Power Tillers                   | <input type="text" value="0"/> | <input type="text" value="0"/> | Power sprayer             | <input type="text" value="0"/> | <input type="text" value="0"/> |  |
| Power thresher                  | <input type="text" value="0"/> | <input type="text" value="0"/> | PP equipment              | <input type="text" value="0"/> | <input type="text" value="0"/> |  |
| Diesel engine thresher          | <input type="text" value="0"/> | <input type="text" value="0"/> | Secature                  | <input type="text" value="0"/> | <input type="text" value="0"/> |  |
| Rice mill set                   | <input type="text" value="0"/> | <input type="text" value="0"/> | Water pump                | <input type="text" value="0"/> | <input type="text" value="0"/> |  |
| Oil mill set                    | <input type="text" value="0"/> | <input type="text" value="0"/> | Power chain saw           | <input type="text" value="0"/> | <input type="text" value="0"/> |  |
| Power reaper                    | <input type="text" value="0"/> | <input type="text" value="0"/> | Hand operated winnower    | <input type="text" value="0"/> | <input type="text" value="0"/> |  |
| Maize sheller                   | <input type="text" value="0"/> | <input type="text" value="0"/> | Conflake machine          | <input type="text" value="0"/> | <input type="text" value="0"/> |  |
| Paddy transplanter              | <input type="text" value="0"/> | <input type="text" value="0"/> | Veg /Fruit drier          | <input type="text" value="0"/> | <input type="text" value="0"/> |  |
| Bullock drawn plow              | <input type="text" value="0"/> | <input type="text" value="0"/> | Silo                      | <input type="text" value="0"/> | <input type="text" value="0"/> |  |
|                                 |                                |                                | Means of land cultivation | <input type="text" value=""/>  |                                |  |

Click on “Save and Exit” button to close the form and return to sub-menu. As explained before, again you will see that the cursor has got focused on the next command button. These procedures and actions apply similarly to all command buttons and exit of forms.

**Fig. 13: Land holding and Tenure.**

|   |                                |                                |                                 |  |   |
|---|--------------------------------|--------------------------------|---------------------------------|--|---|
| RespondentID  | 10000                          |                                | <b>Land holdings and Tenure</b> |  |   |
| <b>4.1.1: Do you own land?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No |                                |                                |                                 |  |   |
| <b>Acreage of land holdings as per thran records</b>                                    |                                |                                |                                 |  |   |
| Wetland   | Dry land                       | K/garden                       | Orchard                         | <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <b>Save and Exit</b> </div> |   |
| <input type="text" value="0"/>  | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/>  |  |   |
| <b>4.1.2: Land use and tenure (unit in acres)</b>                                       |                                |                                |                                 |  |   |
|   | Wetland                        | Dry land                       | OwnWetlan                       | <b>Reasons for leaving land fallow</b>   |   |
| Own land cultivated   | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/>  | Unproductive   | <input type="checkbox"/> Affected by landslides |
| Land leased out   | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/>  | Very steep   | <input type="checkbox"/> Wildlife problems      |
| Land leased in  | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/>  | Far from resident  | <input type="checkbox"/> House construction     |
| Land left fallow  | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/>  | Stony  | <input type="checkbox"/> Town planning          |
|   |                                |                                |                                 | No irrigation  | <input type="checkbox"/>                        |

**Fig. 14: Crop productions and marketing**

RespondentID  **Crop Productions and Marketing**

Crop Productions and Marketing

RespondentID

| CropName                      | Area (acres)                   | Production (kgs)               | Seed kgs                       | Sold (kgs)                     | Price Nu/Kg                    | Add Record                                |
|-------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|---|
| <input type="text" value=""/> | <input type="text" value="0"/> | <input type="button" value="Add Record"/> |

Mushroom

RespondentID

| Mushroom types     | Nos.Billets/Packets            | Production (Kgs)               | Qty. Sold (Kgs)                | Price Nu. Kg                   |
|--------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Mushroom (Shitake) | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> |
| Mushroom (Shitake) | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> |

Record:      of 1

Record:      of 1

**Fig. 15: Fruits productions and marketing**

RespondentID

Fruit Productions

RespondentID

| Types of Fruits               | Total trees                    | Bearing trees                  | Production (kgs)               | Qty. Sold (kgs)                | Price Per Kg                   | Add Record                                |
|-------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|---|
| <input type="text" value=""/> | <input type="text" value="0"/> | <input type="button" value="Add Record"/> |

Fertilizers and PP Chemicals

RespondentID

| Types of Fertilizer and PPC   | Qty. used (kgs)                | Add Record                                |
|-------------------------------|--------------------------------|---|
| <input type="text" value=""/> | <input type="text" value="0"/> | <input type="button" value="Add Record"/> |

Record:      of 1

Record:      of 1

**Fig. 16: Livestock population (alive and death)**

RespondentID

Livestock Population

| Livestock type                | Cattle, Yaks and Buffaloes     |                                |                                |                                |                                |                                |                                | Horses, Sheep, Goats, Pigs and Poultry |                                |                                |                                | Dogs and Cats                  | Add Record |
|-------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
|                               | Young                          |                                | Adult                          |                                |                                |                                |                                | Local                                  |                                | Improved                       |                                | Total Nos                      |            |
|                               | Female                         | Male                           | Hiefer                         | Milch cow                      | Dry cow                        | Breeding bull                  | Bullock                        | Female                                 | Male                           | Male                           | Female                         |                                |            |
| <input type="text" value=""/> | <input type="text" value="0"/>         | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> |            |

Livestock death population

RespondentID

Livestock type

Young

Adult

Add Record

Record:  of 1

Record:  of 1

Save and Exit

**Fig. 17: Livestock productions / marketing and feed supply**

RespondentID

Livestock productions

| RespondentID                       | Product type                  | Qty. produced (kgs)            | Qty. used for processing (kgs) | Qty. Sold (kgs)                | Price Nu/Kg                    | Add Record                                |
|------------------------------------|-------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|---|
| <input type="text" value="10000"/> | <input type="text" value=""/> | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="button" value="Add Record"/> |

Marketing of live animals

RespondentID

Livestock type

Livestock sex

Nos. Sold

Price Nu/No

Add Record

Record:  of 1

Livestock feed and fodder

RespondentID

Availability of improved pasture and fodder

Improved pasture (acres)

Fodder trees (nos)

Feed supply options in absence of improved pastures

- Fed from planted fodder
- Collected fodder from forest
- Graze native pasture
- Bought feeds from markets
- Fed crop residues
- Fed portion of food grains
- Fed turnips and other vegetables

Save Record

Record:  of 1

Save and Exit

**Fig. 18: Forest products and Forestry related issues**

Forest products

| RespondentID | Product type | Qty. collected / produced | Qty. Unit | Qty. Sold | Price Per Unit | Add Record |
|--------------|--------------|---------------------------|-----------|-----------|----------------|------------|
| 10000        |              | 0                         |           | 0         | 0              |            |

Forest related issues

RespondentID: 10000

**Own private forest?**  
 Yes  No

Limited land holding   
 Not aware   
 Other reasons   
 NoReasons   
 Fodder Spp.   
 Firewood Spp.   
 Timber Spp.   
 Fruits   
 Bamboo   
 Others

Is there Forest Cooperatives in the village? Yes  No

Are you a member of the Community Forestry? Yes  No

Is there any forest office in the village?  
 Dz Forest Extension office   
 Park office   
 Range office   
 FMU office   
 Beat office   
 No Forest office

Distance to nearest forest office

Aware of FMU system? Yes  No

Affect of FMU system in your lives?  
 Positively  Negatively

Distance to firewood

Difficult to get firewood now than 10 yrs ago? Yes  No

Reasons for firewood difficulties  
 Increasing population   
 Dminishing of forest cover   
 Strick rules   
 Other (specify)

Difficult to get firewood now than 10 yrs ago? Yes  No

Reasons for firewood difficulties  
 Increasing population   
 Dminishing of forest cover   
 Strick rules   
 Other (specify)

How difficult is to get NWFP permit?  
 Easy  Difficult  Can't say

How present rovaly on NWFPS ?  
 Very light  Very low  Moderate

Do you think dependency on forest resources will reduce if there is electricity? Yes  No

Save and Exit

**Fig. 19: Farming constraints faced by the household.**

RespondentID: 10000 **Farming constraints faced by the farming households during 2008**

| Constraints             | Tick                     | Rank | Constraints                 | Tick                     | Rank | Constraints                  | Tick                     | Rank | Constraints           | Tick                     | Rank |
|-------------------------|--------------------------|------|-----------------------------|--------------------------|------|------------------------------|--------------------------|------|-----------------------|--------------------------|------|
| Insufficient irrigation | <input type="checkbox"/> | 0    | Crop damage insect/diseases | <input type="checkbox"/> | 0    | Land slides / Soil erosion   | <input type="checkbox"/> | 0    | Land shortage         | <input type="checkbox"/> | 0    |
| Unproductive land       | <input type="checkbox"/> | 0    | Drought                     | <input type="checkbox"/> | 0    | Wildlife attack on Livestock | <input type="checkbox"/> | 0    | Limited market access | <input type="checkbox"/> | 0    |
| Labor shortage          | <input type="checkbox"/> | 0    | Excessive rain              | <input type="checkbox"/> | 0    | Livestock diseases           | <input type="checkbox"/> | 0    |                       |                          |      |
| Crop damage by wildlife | <input type="checkbox"/> | 0    | Hail storm / wind           | <input type="checkbox"/> | 0    | Lack of feed / fodder        | <input type="checkbox"/> | 0    |                       |                          |      |

Crop damaged by wildlife

RespondentID: 10000

| Types of crops | Wild pigs |           | Sambhar / Deer |           | Monkeys   |           | Elements  |           | Bears     |           | Porcupines |           | Birds     |           | Domestic animals |           | Add Record |
|----------------|-----------|-----------|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------------|-----------|------------|
|                | Area (ac) | Prod (kg) | Area (ac)      | Prod (kg) | Area (ac) | Prod (kg) | Area (ac) | Prod (kg) | Area (ac) | Prod (kg) | Area (ac)  | Prod (kg) | Area (ac) | Prod (kg) | Area (ac)        | Prod (kg) |            |
|                | 0         | 0         | 0              | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0          | 0         | 0         | 0         | 0                | 0         |            |

Livestock depredation by wildlife

RespondentID: 10000

| Type of livestock | Tiger |       | Wolves |       | Snow leopard |       | Common leopard |       | Clouded leopard |       | Jackals/Foxes |       | Bears |       | Wild dogs |       | Add Record |
|-------------------|-------|-------|--------|-------|--------------|-------|----------------|-------|-----------------|-------|---------------|-------|-------|-------|-----------|-------|------------|
|                   | Adult | Young | Adult  | Young | Adult        | Young | Adult          | Young | Adult           | Young | Adult         | Young | Adult | Young | Adult     | Young |            |
|                   | 0     | 0     | 0      | 0     | 0            | 0     | 0              | 0     | 0               | 0     | 0             | 0     | 0     | 0     | 0         | 0     |            |

Record: 1 of 1

Record: 1 of 1

Save and Exit

**Fig. 20: Comments by the census enumerators and supervisors.**

|  |       |             |  |      |
|--|-------|-------------|--|------|
| RespondentID   | 10000 |             |  |      |
| Comments of the enumerators and supervisors                |       |             |  |      |
| <div style="border: 1px solid black; height: 40px;"></div> |       |             |  |      |
| Name of Enumerator   |       | Designation |  | Date |
| Name of Supervisor   |       | Designation |  | Date |
| <b>Save and Exit</b>                                       |       |             |  |      |

This is the last data entry form. Clicking on “Save and Exit” button on this form will take you back to the sub-menu. This time the cursor will have got its focus on the “Add Record” command buttons (Fig.21)

**Fig. 21: Sub-Menu.**

| Background Information of the Respondent   |                       |                                |                  |                    |             |                          |                  |                    |                      |                       |                            |                  |               |                                     |  |  |  |  |  |
|--|-----------------------|--------------------------------|------------------|--------------------|-------------|--------------------------|------------------|--------------------|----------------------|-----------------------|----------------------------|------------------|---------------|-------------------------------------|--|--|--|--|--|
| RespondentID   | 10000                 | Respondent's name              |                  |                    |             |                          |                  |                    |                      |                       |                            |                  |               |                                     |  |  |  |  |  |
| Dzongkhag  |                       | Age                            | 0                | Sex                |             |                          |                  |                    |                      |                       |                            |                  |               |                                     |  |  |  |  |  |
| Geog   |                       | Relationship to household head | 0                |                    |             |                          |                  |                    |                      |                       |                            |                  |               |                                     |  |  |  |  |  |
| Town   |                       | Distance to motor road point   | 0                |                    |             |                          |                  |                    |                      |                       |                            |                  |               |                                     |  |  |  |  |  |
| Chiwog   |                       | Nearest extension center       |                  |                    |             |                          |                  |                    |                      |                       |                            |                  |               |                                     |  |  |  |  |  |
| Village  |                       | Distance to extension center   | 0                |                    |             |                          |                  |                    |                      |                       |                            |                  |               |                                     |  |  |  |  |  |
| <table border="1"> <tr> <td>Income Sources</td> <td>Machineries</td> <td>Land holdings and Tenure</td> <td>Crop Productions</td> <td>Fruits Productions</td> </tr> <tr> <td>Livestock Population</td> <td>Livestock Productions</td> <td>Forest Products and Issues</td> <td>Farm Constraints</td> <td>Food Security</td> </tr> <tr> <td colspan="5">Enumerators / Supervisors' comments</td> </tr> </table> |                       |                                |                  | Income Sources     | Machineries | Land holdings and Tenure | Crop Productions | Fruits Productions | Livestock Population | Livestock Productions | Forest Products and Issues | Farm Constraints | Food Security | Enumerators / Supervisors' comments |  |  |  |  | <b>Add Record</b><br><br><b>Close Database</b> |
| Income Sources   | Machineries           | Land holdings and Tenure       | Crop Productions | Fruits Productions |             |                          |                  |                    |                      |                       |                            |                  |               |                                     |  |  |  |  |  |
| Livestock Population   | Livestock Productions | Forest Products and Issues     | Farm Constraints | Food Security      |             |                          |                  |                    |                      |                       |                            |                  |               |                                     |  |  |  |  |  |
| Enumerators / Supervisors' comments  |                       |                                |                  |                    |             |                          |                  |                    |                      |                       |                            |                  |               |                                     |  |  |  |  |  |

Now press “Enter tab” and you will see that this action has emptied the “RespondentID” box and placed the focus of the cursor in it prompting for the entry of new record as shown below (Fig. 22).

**Fig. 22: Sub-Menu with the first form giving way for new record entry..**

| Background Information of the Respondent |                             |  |   |
|--|-----------------------------|--|---|
| RespondentID                             | <input type="text"/>        | Respondent's name                          | <input type="text"/>  |
| Dzongkhag                                | <input type="text"/>        | Age  | <input type="text" value="0"/> Sex <input type="text" value="0"/> |
| Geog                                     | <input type="text"/>        | Relationship to household head             | <input type="text" value="0"/>                                    |
| Town                                     | <input type="text"/>        | Distance to motor road point               | <input type="text" value="0"/>                                    |
| Chiwog                                   | <input type="text"/>        | Nearest extension center                   | <input type="text"/>  |
| Village                                  | <input type="text"/>        | Distance to extension center               | <input type="text" value="0"/>                                    |
| <b>Add Record</b>                        |                             |  |   |
| <b>Income Sources</b>                    | <b>Machineries</b>          | <b>Land holdings and Tenure</b>            | <b>Crop Productions</b>   |
| <b>Fruits Productions</b>                | <b>Livestock Population</b> | <b>Livestock Productions</b>               | <b>Forest Products and Issues</b>                                 |
| <b>Farm Constraints</b>                  | <b>Food Security</b>        | <b>Enumerators / Supervisors' comments</b> |   |
| <b>Close Database</b>                    |                             |  |   |

At the end of the day you would like to take break and close the database before you leave. There are few things you should do before you leave. Click on the “Close Database” command button and you will be taken back to the “Main Menu”. While you are here, you can compress the size of your database so as to be easily accommodated into your external drive (eg. Thumb Drive).

**Fig. 23: Main Menu**

RENEWABLE NATURAL RESOURCES CENSUS 2009 DATABASE



MINISTRY OF AGRICULTURE

ROYAL GOVERNMENT OF BHUTAN



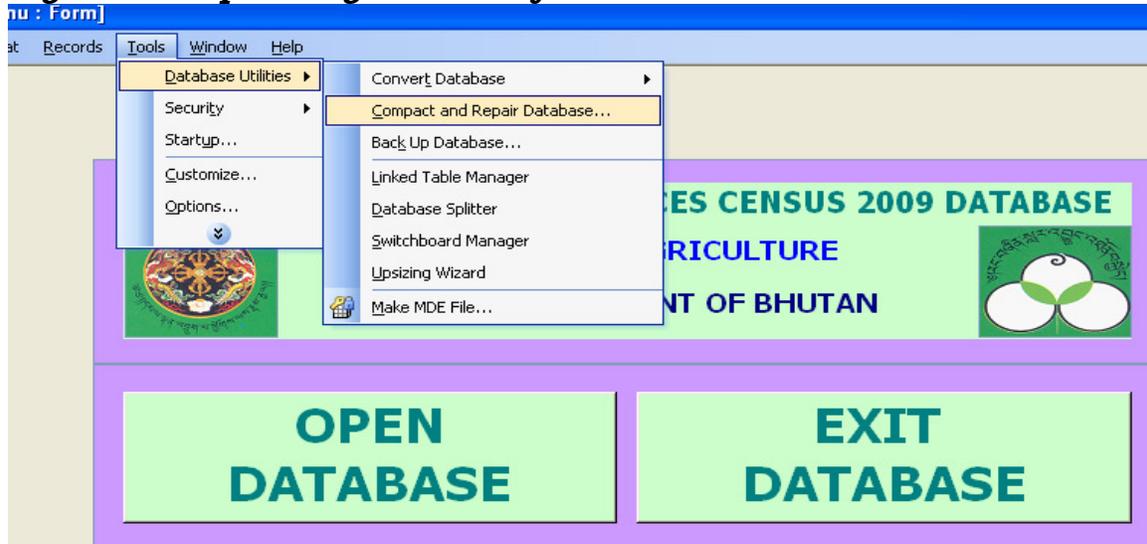
OPEN  
DATABASE

EXIT  
DATABASE

Designed by : Kuenphen Technology, Thimphu

You can do the compressing by following the steps below. Go to “Tool” on the extreme top of the screen, point to “Database Utilities” and click on “Compact and Repair Database” as shown below (Fig.24).

**Fig. 24: Compressing the size of the database.**



After having compressed the database, just click on “EXIT DATABASE” command button. You will be prompted with the dialogue box as shown below.

**Fig. 25: Database exit confirmation dialogue box.**



If you click on “No” button, you will be taken back to the Main Menu but if you choose to click on “Yes” button, the database will quit or go off the screen.

## Some important Codes for reference

### Linking of Forms to the Main Forms.

```
Private Sub cmdIncome_Click()
On Error GoTo Err_cmdIncome_Click

    Dim stDocName As String
    Dim stLinkCriteria As String

    stDocName = "frmIncomesource"

    FormNo = 2
    DoCmd.DoMenuItem acFormBar, acRecordsMenu, acSaveRecord, ,
acMenuVer70
    DoCmd.Maximize

    stLinkCriteria = "[RespondentID]=" & "" & Me![RespondentID] & ""
    DoCmd.OpenForm stDocName, , , stLinkCriteria

Exit_cmdIncome_Click:
Exit Sub

Err_cmdIncome_Click:
MsgBox Err.Description
Resume Exit_cmdIncome_Click
End Sub

Private Sub Command37_Click()
    DoCmd.Close
        DoCmd.OpenForm "frmmainMenu"
    DoCmd.Maximize
End Sub

Private Sub Dzhongkhag_Enter()
    Dzhongkhag.Requery
End Sub

Private Sub Form_Open(Cancel As Integer)
    DoCmd.Maximize
End Sub

Private Sub Geog_Enter()
    Geog.Requery
End Sub
```

## Loading Forms

```
Private Sub Form_Load()  
    Me.RespondentID = Forms!frmbackground.RespondentID  
End Sub
```

## Saving Records and Instruction for opening other Forms.

```
Private Sub cmdSE_Click()  
On Error GoTo Err_cmdSE_Click  
  
    DoCmd.DoMenuItem acFormBar, acRecordsMenu, acSaveRecord, ,  
    acMenuVer70  
        DoCmd.Close  
            DoCmd.OpenForm "frmBackground"  
                DoCmd.Maximize  
                    DoCmd.GoToControl "cmdma"
```

```
Exit_cmdSE_Click:  
Exit Sub
```

```
Err_cmdSE_Click:  
MsgBox Err.Description  
Resume Exit_cmdSE_Click
```

```
End Sub
```

## Assignment of Options for Exiting or Not the Database

```
Private Sub Label5_Click()  
    Box9.Visible = False  
        Box10.Visible = False  
            Label0.Visible = False  
                Label1.Visible = False  
                    Label2.Visible = False  
                        Label4.Visible = False  
                            Label5.Visible = False  
                                OLEUnbound12.Visible = False  
                                    OLEUnbound19.Visible = False  
                                        OLEUnbound18.Visible = False  
                                            lblExitconfirmation.Visible = True  
                                                lblYes.Visible = True  
                                                    lblNo.Visible = True  
  
End Sub
```

```

Private Sub lblNo_Click()
    DoCmd.OpenForm "frmMainMenu"
    DoCmd.Maximize
    Box9.Visible = True
    Box10.Visible = True
    Label0.Visible = True
    Label1.Visible = True
    Label2.Visible = True
    Label4.Visible = True
    Label5.Visible =
        True
    OLEUnbound12.Visible =
        True
    OLEUnbound19.Visible = True
    OLEUnbound18.Visible = True
    lblExitconfirmation.Visible = False
    lblYes.Visible = False
    lblNo.Visible = False
End Sub

```

### **Assignment of command for quitting of the Database**

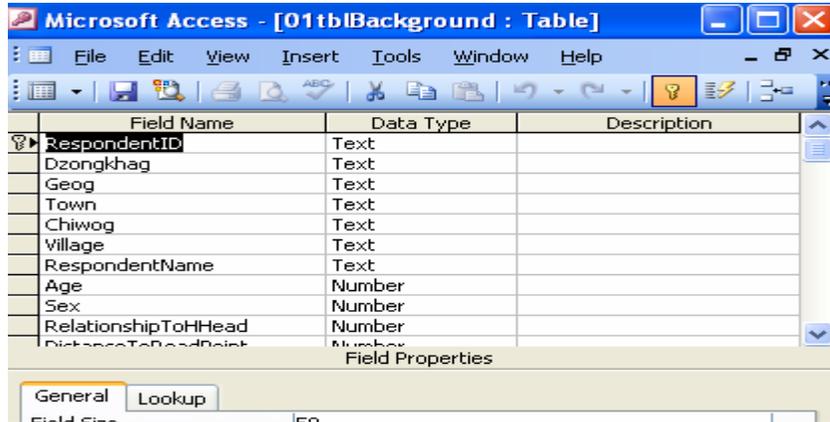
```

Private Sub lblYes_Click()
    DoCmd.Quit
End Sub

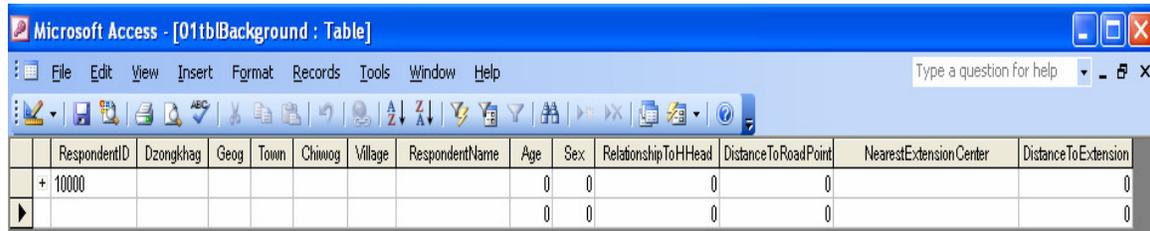
```

# Annexure

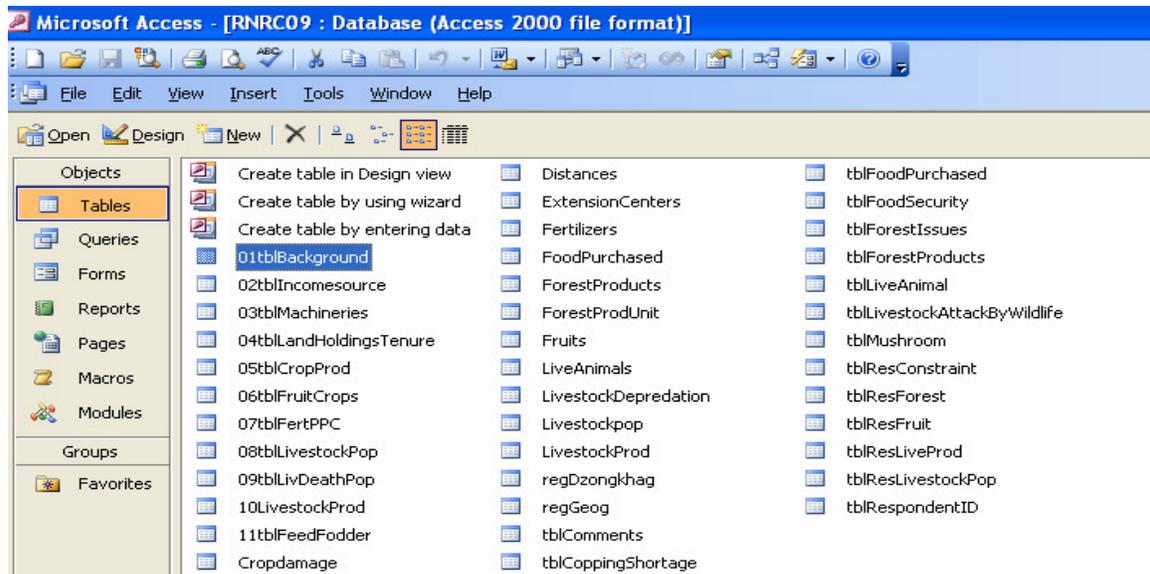
## Designing face of a database table (Background Information)



## Output of the above design.



## Database Windows (List of Tables)



## Design face of a form

| Background Information of the Respondent |   |                                |  |
|--|---|--------------------------------|--|
| RespondentID                             | <input type="text" value="RespondentID"/> | Respondent's name              | <input type="text" value="RespondentName"/>            |
| Dzongkhag                                | <input type="text" value="Dzongkhag"/>    | Age                            | <input type="text" value="Age"/>                       |
| Geog                                     | <input type="text" value="Geog"/>         | Sex                            | <input type="text" value="Sex"/>                       |
| Town                                     | <input type="text" value="Town"/>         | Relationship to household head | <input type="text" value="RelationshipToHHead"/>       |
| Chiwog                                   | <input type="text" value="Chiwog"/>       | Distance to motor road point   | <input type="text" value="DistanceToRoadPoint"/>       |
| Village                                  | <input type="text" value="Village"/>      | Nearest extension center       | <input type="text" value="NearestExtensionCenter"/>    |
|  |   | Distance to extension center   | <input type="text" value="DistanceToExtensionCenter"/> |

## Output of the above design of the form.

| Background Information of the Respondent |                                    |                                |                                |
|--|------------------------------------|--------------------------------|--------------------------------|
| RespondentID                             | <input type="text" value="10000"/> | Respondent's name              | <input type="text" value=""/>  |
| Dzongkhag                                | <input type="text" value=""/>      | Age                            | <input type="text" value="0"/> |
| Geog                                     | <input type="text" value=""/>      | Sex                            | <input type="text" value="0"/> |
| Town                                     | <input type="text" value=""/>      | Relationship to household head | <input type="text" value="0"/> |
| Chiwog                                   | <input type="text" value=""/>      | Distance to motor road point   | <input type="text" value="0"/> |
| Village                                  | <input type="text" value=""/>      | Nearest extension center       | <input type="text" value=""/>  |
|  |                                    | Distance to extension center   | <input type="text" value="0"/> |

## Database Windows with list of Forms

