Appendix - 1
Operation Manual of Database System



| 그리다 지수는 그 한다는 하는 것이 나는 사람들은 사람들은 그릇을 지어서 되는 사람들은 학생들은 학생 | |
|--|--|
| | |
| 어머니는 어느를 하는 그리는 그들은 그들은 그들을 하는 일을 하는데 말했다면 하다면 되었다. | |
| 그 이 그 아이는 아이는 아이는 아이는 아이는 아이는 아이는 아이는 아이는 그를 모르는 것을 다 했다. | |
| | |
| | |
| 그는 사는 이번 이 등에는 이 등 회사 전문 등에 하는 것 같아. 한 사람들은 함께 하는 사람들은 함께를 받는다. | |
| 그리는 그리 일반 속으로 있는 지원으로 하는 속이 있다고 못 하는 화를 다음을 받는 것을 하는 하다. | |
| | |
| 어머니는 어느 이 이렇게 이렇게 되었다. 이 그는 사람이 이 살아왔다고 화고 생각하셨다. | |
| 그는 이번 그는 이번 병원은 항상을 보다는 아내는 이번 회에 가는 모양을 가는 것을 받았다. | |
| | |
| 그리아 그는 그는 살님, 하는 그리는 물이 가는 살물 목욕을 받아 물론이 충분들이 그는 게 있는데 한 트림을 받는다. | |
| 는 보이는 사람이 하면 하는 것이 되었다. 그는 사람들이 되었다는 것이 되었다는 것이 되었다는 것이 되었다. 그는 사람들이 되는 사람들이 되었다. 그 사람들이 되었다는 것이 되었다는 것이 되었다는 것이 되었다. | |
| | |
| 그 그는 이 사는 가는 사람들은 물리가 나를 보는 사람들이 가득하는 것이 모든 것이 되었다. | |
| 。 1987年 - 1987年 | |
| 그는 그는 이 그림을 하고 하면 살아 하는 바쁜데 아들이는 다양이는 그를 맞고 함께 살았다. 그림은 사람, | |
| | |
| 그 사고는 그는 아이들은 모양이 그리지 않는 사람들은 그는 사람들은 사람들이 없다. | |
| | |
| 그는 병기에 되어 살아왔다. 그는 이 그는 맛이 나는 물이 만든 말을 하는 것이 되는 말이 없었다. | |
| 이 보고 있다. 그는 사람들은 10 분에 보고 있었다. 그는 10 분에 보고 있는 것이 되는 것이 되는 것을 걸려 있다. 것은 것은 10 분에 보고 있다. 10 분에 보고 있는 10 분에 되었다. | |
| 그 그는 경기 그는 전 가장하고 있다는 그 나를 위하지 않는 그 없다 생활한 보니 나는 사람들이 모든 사람들이 시작하다 걸 | |
| 마이크 보고 있는 것이 되는 수가를 하고 있는 것이 되었다. 그는 것이 되는 것이 되는 것이 되는 것이 되는 것이 하는 것이 하는 것이 되었다. | |
| 는 하시는 사람들은 사람들은 사람들이 되었다. 그들은 이 사람들은 사람들은 사람들이 가장하는 것이 되었다. | |
| 그는 그는 그들이 그 화화의 하게 되면 하는 그렇게 하는 그는 그들의 학생 하셨다는 것이 되었다고 하는 것이다. | |
| 그리아 되어 있는 그들이 내려왔다. 그는 그들은 사람들이 나를 하는데 하는데 그를 하는데 그를 하는데 살아 없는데 그를 하는데 살아 없다. | |
| 는 사람들은 사람들이 되는 것이 되었다. 사람들은 물로 발표하는 것이 되었다. 그는 그 그들은 그는 것이 되었다. 그들은 그는 것이 되었다. 그런데 그렇게 되었다. 그는 그는 사람들은 그는 그는 그를 가장 되었다. 그는 그는 그들은 그는 그는 그를 보는 것이 되었다. 그는 그를 보는 것은 것이 되었다. | |
| 그는 그리고 있다는 그릇이 살아 가는 그리는 그 그는 일이 아이들은 것이 방얼 때 수 없는 한 반에 걸었다. | |
| 그 하는 것이 나는 이번에 하다. 그들은 수있으로 이 경험을 내려 가는 경험을 하는 것을 하는 것이다. | |
| 그는 일이 되었다. 그는 사람들은 사람들이 가장하는 것이 하는 것이 하는 것이 없는 것이 없는 것이 없는 것이 없었다. | |
| | |
| 는 사이 사이 가입하는 사이 가입하는 사람들이 하는 사람들은 가입하는 것이 되었다. 그렇게 되었다면 하는 사람들은 사람들이 되었다. | |
| 그리다 그림이 한테 사람이 많은 아내가 있는 은데 얼마 나는 사람들이 그를 만들었다. 한 화를 되는 것 같은 | |
| | |
| | |
| 그 없는 사람이 가는 사람들이 가는 하지 않는 회사를 받는 사람은 가는 것들을 가지를 다쳤다. | |
| 그들이 말이 되는 그들은 그는 그들은 그는 그들은 그들은 그들은 그들은 사람들은 사람들은 그들은 그들은 기를 되었다. | |
| | |
| 마는 사람들은 사람들이 되었다. 그는 사람들은 사람들은 사람들이 되었다. 그런 사람들은 사람들이 사람들이 가장 모르는 것으로 함께 보고 있다. | |
| | |
| 그는 하는 사람들은 그리는 사람들이 되었다. 그리는 것 같은 사람들은 얼마나 가장 하는 것 같아 나를 모양하는 것 같아. | |
| 그는 그 아이는 그리고 아이는 아이는 그는 그는 이 그리고 아이를 하고 있다. 그리고 한 경험을 가장 없다. | |
| 그는 이 그 이 그리고 하는 그는 그는 그를 그리고 하는데 보고 화면 화를 가능하는데 했다. | |
| 그 그리는 그림을 하는 모든 이 그리가 하고 있는데 회원은 동안 동통법 보고 회원의 생활을 만했다. | |
| 그는 이 사람들은 사람들이 가는 사람들은 보다 하는 것이 되는 것이 없는 것이 되었다. 그리고 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이다. | |
| 그리가 가지 않아 있어요? 그리는 그리는 사이 그 생활 경우 원리 분족 함께 봤음을 모임 발활회상 | |
| 그리는 말이 있는 그는 이번 이번 아니는 이 그렇게 되는 나는 아니는 아니라 하는 이번 생각이 되었다. | |
| | |
| 그 그는 그가는 어떤 물질을 하는데, 이 가는 사람들이 있다. 그렇게 살아 가는 것은 사람이 없는 것을 하는데 없다. | |
| | |
| 그리가 많아 되는 이 이 이 아이들이 하는 것만 되었다. 그렇게 그렇게 그렇게 이 모양을 갖게 되었다면? | |
| | |
| | |
| | |

THE STUDY

FOR

FORMULATION OF IRRIGATION DEVELOPMENT PROGRAM IN

THE REPUBLIC OF INDONESIA

Annex - I Database and its management Appendix - 1 Operation Manual of Database System

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Appendix - 1 Operation Manual of Database System

1 General

This manual is prepared for a person who will operate and maintain the computer database of irrigation scheme. As for general description of the system, please refer the chapter 3 of Annex - I. Furthermore, detail information of the system, such as database structure, description of computer program, is given in Appendix -2.

The system is prepared by use of internal language of "d-Base IV version 1.1", which is one of the most popular relational database software.

However, the knowledge of computer machine and the software is not essential. A user-friendly menu style is adopted in this system so a user can operate the system without knowing computer command and application software language.

2 System Requirement

2.1 Hardware

Following hardware is required to run the system;

IBM or its compatible machine with display and keyboard

About 30 megabytes of free space would be required in the hard disk drive to install d-Base IV and the system.

A 3.5 inches floppy disk drive is essential for system installation.

Printer that can print paper with 11 inches length and 15 inches width is also required.

2.2 Software

The system can be run under the condition, that the MS-DOS and the d-BASE IV version 1.1 for DOS are installed. If you have not install them yet, make install according to instruction of each software.

The d-BASE IV version 1.1 doesn't have an advantage in WS-Windows. So, you don't have to start d-BASE IV from Windows.

MS-DOS™ and MS-Window™ are registered trademark of the Microsoft Corporation.

d-BASE IV™ is the registered trademark of Borland.

3 Component of system

Following items are enclosed in the system

- Floppy Disk drive (3.5 inches)
 9 Nos.
 (1 No. of System Install / Program Disk and 8 Nos. of Data Disks)
- Operation ManualSystem Reference

4 Installation of System

This chapter gives you how to install the system into your computer. First, be sure the system of d-BASE IV is already installed.

- 1. To start d-BASE IV, type **DBASE** on MS-DOS prompt, or click Icon of d-BASE on the Program Manager of MS-Windows.
- 2. If the system moves to the Control Center of d-BASE, quit it pressing Esc key and type Y to confirm.
- 3. A dot Prompt (•) appears on the screen Now, it is ready to install of system.
- 4. Insert System Install / Program Disk in floppy disk drive
- 5. Type INSTALL1 and press Enter key to start installation program.

• INSTALL1

5. Remove <u>System Install / Program Disk</u> and type **INSTALL2** and press **Enter** key to start installation of data.

Computer starts installation of the data. Insert specified disk according to instruction by installation program.

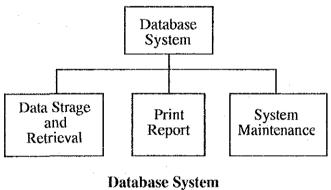


Don't remove floppy disk while floppy disk drive is in operation. It could result in damage of contents of floppy disk.

5 **Operation of System**

5.1 **General Description of the System**

The computer database system consists of three menu; (i) Data Storage and Retrieval (ii) Print Report, and (iii) System Maintenance.

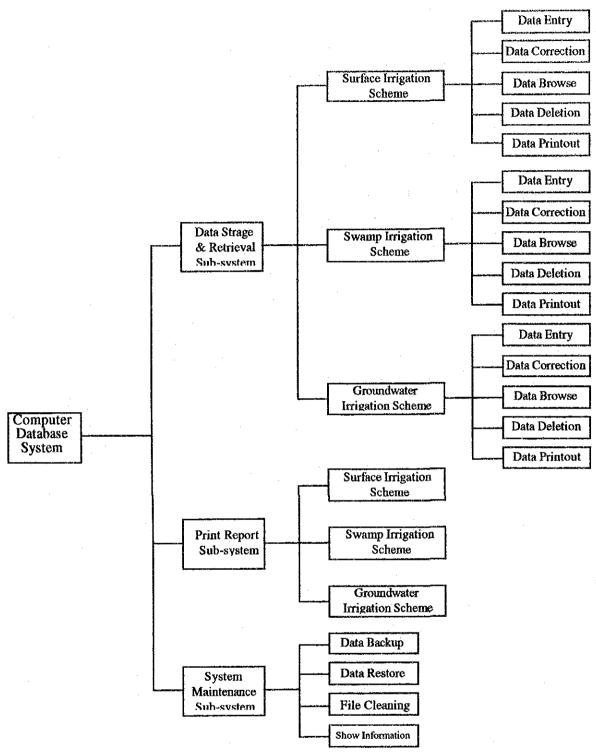


Data Storage and Retrieval Menu lets you add, correct, delete and browse records, and print records already entered.

Print Report Menu enables you to printout records with format you specify. All data you entered can be printed out by various kinds of printout formats.

System Maintenance Menu acts to maintain the system in proper condition. It contains data backup data, restore data and so on.

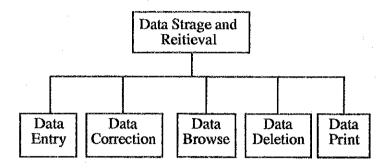
Menu of the system is shown in the next page. Detail instruction of each menu is presented in the proceeding sections.



Menu of Database System

5.2 Data Storage and Retrieval Menu

Menu of data storage and retrieval is further divided into five (5) sub-menus, those are shown below;



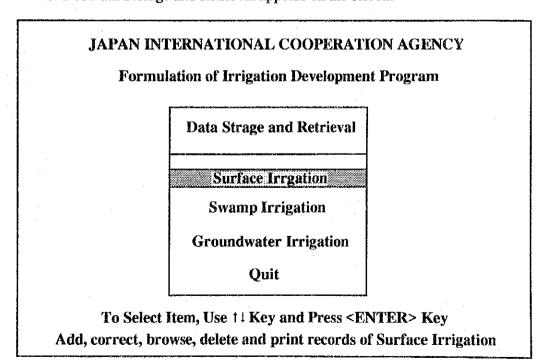
Data Strage and Retrieval Menu

Although there are three kinds of categories of scheme; (i) surface irrigation, (ii) swamp irrigation, and (iii) groundwater irrigation, the way of operation is basically similar.

Accordingly, explanation of this menu is based on surface irrigation scheme. Each sub-menu is outlined in proceeding sections

 To start Data Storage and Retrieval Menu, type DO MENU1 from dot prompt and press Enter key

Menu of Data Storage and Retrieval appears on the screen.

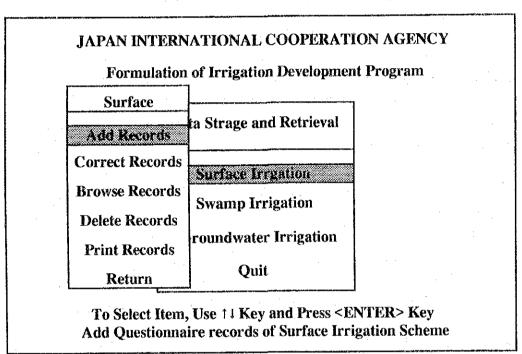


2 Use ↑ ↓ key to select <u>Surface Irrigation Scheme</u> and press Enter key. Select <u>Quit</u> and press Enter key to quit menu

5.2.1 Data Entry Sub-menu

Once an new irrigation scheme is planned, its information should be collected from Province and compiled by proper manner. Data Entry sub-menu lets you encode data according to format specified. Information can be added in the database file and it can be retrieved whenever it is required.

1 Use ↑↓ key to select Add Records and press Enter key.

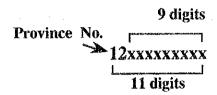


Data Entry Sub-menu starts with following screen.

2.

| | JAPAN INTERNATIONAL COOPERATION AGENCY |
|-----|--|
| | Formulation of Irrigation Development Program |
| | Inventory Survey |
| | Surface Irrigation Scheme |
| | Data Entry |
| | |
| | ID Number: |
| | |
| | Enter ID Number |
| | Press <enter> to quit menu</enter> |
| • - | entification Number of Irrigation Scheme (hereinafter called it ID r) and press Enter key |
| • - | r) and press Enter key |
| • • | JAPAN INTERNATIONAL COOPERATION AGENCY |
| • • | JAPAN INTERNATIONAL COOPERATION AGENCY Formulation of Irrigation Development Program |
| • - | JAPAN INTERNATIONAL COOPERATION AGENCY Formulation of Irrigation Development Program Inventory Survey |
| • • | JAPAN INTERNATIONAL COOPERATION AGENCY Formulation of Irrigation Development Program |
| • - | JAPAN INTERNATIONAL COOPERATION AGENCY Formulation of Irrigation Development Program Inventory Survey |
| • • | JAPAN INTERNATIONAL COOPERATION AGENCY Formulation of Irrigation Development Program Inventory Survey Surface Irrigation Scheme |
| • • | JAPAN INTERNATIONAL COOPERATION AGENCY Formulation of Irrigation Development Program Inventory Survey Surface Irrigation Scheme Data Entry |

ID Number of surface irrigation scheme should be based upon "Rekapitulasi Inventarisasi Daerah Irigasi Pemerintah, DOI-I, PU." Suppose the scheme has no ID Number yet, enter ID Number with following manner.



Computer checks if records, that has same ID Number as entered one, exists in the master file. If it already exists, computer sends message of "Record of ID Number xxxxxxxx already exists in master file. Please check ID Number. again." So check the ID Number again carefully.



ID Number is indexed to search the record and this should be <u>unique</u>. No duplication of ID Number is allowed.

2 Enter Scheme Name

JAPAN INTERNATIONAL COOPERATION AGENCY

Formulation of Irrigation Development Program

Inventory Survey

Surface Irrigation Scheme

Data Entry

ID Number:

Scheme Name:

Enter Scheme Name

Input format appears on the screen. According to format on the screen, proceed data entry. Type information and press Enter key to move to next record. When you finish entering information at bottom of a page, the next page will appear on the screen.

| 1. | LOCATION | | | |
|-----|------------|---------------------------------|-------------|------------------------------------|
| 1.1 | Province | | | |
| 1.2 | Kabupaten | | | |
| 1.3 | Kecamatan | | | |
| 1.4 | I.D.Number | | | Cursor Movement |
| | 1 | Previous Page Quit with Save | PgDn Esc | : Next Page : Quit without Save |

Some function is assigned to following keys for movement of screen;

PgUp (Pageup): Go to next page (If you are in the first page, this message

disappears, and this key can't be used)

PgDn (Pagedown): Go to previous page (If you are in the last page, this message

disappears, and this key can't be used)

†: Go to previous page if cursor is on top of screen (If you are in

the first page, this message disappears, and this key can't be

used)

1: Go to next page if cursor is on bottom of screen (If you are in

the last page, this message disappears, and this key can't be

used)

Press Control Key (Ctrl) and End key at the same time to save entered data. Press Escape (Esc) key to cancel data entry.

Menu of data entry appears on the screen again

5 Enter ID Number to continue data entry. Press just Enter key to quit data entry submenu and go back to previous menu.

5.2.2 Data Correction Sub-menu

1

Suppose you find error in entered data and want to correct it. Or suppose you want to change or update information you have entered. Data Correction sub-menu lets you correct data you have stored. Once you specify record to correct, computer searches the record and displays it on the screen. You can proceed data correction or update according instruction. The revised / updated information can be stored the file again.

Note that ID Number and Scheme Name can be use key word to search record. Entering either ID Number or Scheme Name, you can reach record you want to correct. (The same procedure is applied to the data browse, deletion, and printout sub-menu, which are described hereinafter.)

Use ↑↓ key to select Correct Records and press Enter key.

JAPAN INTERNATIONAL COOPERATION AGENCY Formulation of Irrigation Development Program Surface ta Strage and Retrieval Add Records Correct Records Surface Irreation **Browse Records Swamp Irrigation Delete Records** roundwater Irrigation **Print Records** Quit Return To Select Item, Use † | Key and Press <ENTER > Key Correct Questionnaire records of Surface Irrigation Scheme

2 Data Correction sub-menu starts with following screen

JAPAN INTERNATIONAL COOPERATION AGENCY

Formulation of Irrigation Development Program Inventory Survey Surface Irrigation Scheme

Data Correction

Index to search (1) ID Number (2) Scheme Name (0) Quit Select Index to search Type 0 and press <Enter> key to go back previous menu

As an index of record search, you can use either ID Number or Scheme Name.

Type 1 and press Enter key to make ID Number an index,

Type 2 and press Enter key to make Scheme Name an index.

Otherwise, type 0 and press Enter key to quit sub-menu and go back previous screen.

| | press Enter key. |
|---|---|
| JAPAN INTERNA | TIONAL COOPERATION AGENCY |
| Formulation of Irri | gation Development Program |
| Inventory Survey | |
| Surface Irrigation S | Scheme |
| Data Correction | |
| ID Number: | |
| Enter ID Number f | or correction |
| Press <enter> key</enter> | w quit menu |
| | |
| Index is scheme name: | Type Name of Irrigation Scheme to correct and p Enter key. |
| | |
| JAPAN INTERNA | Enter key. |
| JAPAN INTERNA | Enter key. ATIONAL COOPERATION AGENCY |
| JAPAN INTERNA Formulation of Irri | Enter key. ATIONAL COOPERATION AGENCY gation Development Program |
| JAPAN INTERNA Formulation of Irri Inventory Survey | Enter key. ATIONAL COOPERATION AGENCY gation Development Program |
| JAPAN INTERNA Formulation of Irri Inventory Survey Surface Irrigation S | TIONAL COOPERATION AGENCY gation Development Program |

3.

Computer checks if record, that has same ID Number (or scheme name) as entered one, exists in the master file. If it is not found in the file, computer sends message of

Enter Scheme Name for correction

Press <Enter> key to quit menu

"Record of ID Number xxxxxxxx (or Scheme Name xxxxxx) does not exists in master file. Please check ID Number. (or Scheme Name) again." So check the ID Number (or Scheme Name) again carefully.

4. The specified record appears on the screen.

| ID NO : | | NAME OF SCHEME | |
|---------|-------------------|----------------------------------|----|
| r | o you want to cha | unge I.D.No ? | |
| | Please type Y or | r N and press <enter> ke</enter> | ey |

5. Asked if you want to change ID Number, type Y to change ID Number, or type N not to change it. (Default value is N. So, just press Enter key to select N)

If Y is selected, you are prompted to enter correct ID Number Type correct ID Number and press Enter key. If you select N go to 6.

To avoid duplication of ID Number, computer checks again if record, that has same ID Number as entered one, exists in the master file. If it is found in the file, computer sends message of "Record of ID Number xxxxxxxxx already exists in master file. Please check ID Number again." So check the ID Number again carefully and make a correction of ID Number

6. Asked if you want to change Scheme Name, type Y to change Scheme Name, or type N not to change it. (Default value is N. So, just press Enter key to select N)

If Y is selected, you are prompted to enter correct Scheme Name. Type correct Scheme Name and press Enter key.

| ID NO: NAME OF SCHEME | |
|--|--|
| | |
| Do you want to change ID.Number? | |
| Decree of Calcana 2 W | |
| Do you want to change Name of Scheme? | |
| Please type Y or N and press <enter> key</enter> | |

7. According to format on the screen, proceed data correction

| T CONTRICAT | | | |
|-------------|---------------------------------|---------------------------------|--|
| LOCATION | | | |
| Province | | | |
| Kabupaten | | | |
| Kecamatan | | | |
| I.D.Number | | | Cursor Movemen |
| 1 ~ ^ | _ | PgDn Esc | : Next Page : Quit without Save |
| | Kabupaten Kecamatan I.D.Number | Kabupaten Kecamatan I.D.Number | Kabupaten Kecamatan I.D.Number PgUp : Previous Page PgDn |

Some function is assigned to following keys for movement of screen;

PgUp (Pageup) Go to next page (If you are in the first page, this message disappears, and this key can't be used)

| PgDn (Pagedown) | Go to previous page (If you are in the last page, this message |
|-----------------|--|
| | disappears, and this key can't be used) |
| 1 | Go to previous page if cursor is on top of screen (If you are in |
| | the first page, this message disappears, and this key can't be |
| | used) |
| 1 | Go to next page if cursor is on bottom of screen (If you are in |
| | the last page, this message disappears, and this key can't be |
| | used) |

Press Control Key (CTRL) and End key at the same time to save corrected data.

Press Escape (Esc) key to abandon data correction.

Menu of correction appears on the screen again

9 Enter ID Number (or Scheme Name) to continue data correction. Otherwise, press just Enter key to quit Data Correction Sub-menu and go back to previous menu.

5.2.3 Data Browse Sub-menu

<u>Data Browse Sub-menu</u> allows you to view specified record on the screen. The computer searches record you specified and displays it on the screen.

The records retrieved by Data Browse Sub-menu is Read-only Use Data Correction Sub-menu for data correction.

1 Use ↑↓ key to select <u>Browse Records</u> and press Enter key.

JAPAN INTERNATIONAL COOPERATION AGENCY Formulation of Irrigation Development Program Surface ta Strage and Retrieval Add Records Correct Records Surface Irrgation Brunse Records **Swamp Irrigation Delete Records** roundwater Irrigation **Print Records** Quit Return To Select Item, Use † | Key and Press <ENTER> Key **Browse Questionnaire records of Surface Irrigation Scheme**

2 Data Browse sub-menu starts with following screen

JAPAN INTERNATIONAL COOPERATION AGENCY

Formulation of Irrigation Development Program

Inventory Survey

Surface Irrigation Scheme

Data Browse

Index to search (1) ID Number (2) Scheme Name (0) Quit

Select Index to search

Type 0 and press <Enter> key to go back previous menu

As an index of record search, you can use either ID. Number or Scheme Name.

Type 1 and press Enter key to make ID Number an index,

Type 2 and press Enter key to make Scheme Name an index.

Otherwise, type 0 and press Enter key to quit sub-menu and go back previous screen.

Type ID Number of Irrigation Scheme to browse and

3.

Index is ID Number:

| | press Enter key. |
|-------|--|
| | JAPAN INTERNATIONAL COOPERATION AGENCY |
| | Formulation of Irrigation Development Program |
| | Inventory Survey |
| | Surface Irrigation Scheme |
| | Data Browse |
| • | ID Number: |
| | Enter ID Number for browse |
| | Press <enter> key to quit menu</enter> |
| | |
| Index | is scheme name: Type Name of Irrigation Scheme to browse and p Enter key. |
| | JAPAN INTERNATIONAL COOPERATION AGENCY |
| | Formulation of Irrigation Development Program |
| | Inventory Survey |
| | Surface Irrigation Scheme |
| | Data Browse |
| | |
| | Scheme Name: |
| | |
| | Enter Scheme Name for browse |
| | Press <enter> key to quit menu</enter> |
| | |

Computer checks if record, that has same ID Number (or Scheme Name) as entered one, exists in the master file. If it is not found in the file, computer sends message of "Record of ID Number xxxxxxxxx (or Scheme Name xxxxxxx) does not exists in master file. Please check ID Number. (or Scheme Name) again." So check the ID Number (or Scheme Name) again carefully.

4. The specified record appears on the screen.
You can see content of record as follows.

| ID NO | ·: [| NAME OF SCHEME | |
|-------|------------|--|------------------------------|
| 1, | LOCATION | | |
| 1.1 | Province | | |
| 1.2 | Kabupaten | | |
| 1.3 | Kecamatan | | ———Cursor Movement |
| 1.4 | I.D.Number | | <i>V</i> |
| | : Prev | vious record ↓ vious Page → t to previous menu | : Next record : Next Page |

Some function is assigned to following keys for movement of screen (Key assignment of data browse sub-menu is different from that of data entry, and data correction sub-mennus);

| † | Go to previous record (If you are in the first record, this |
|----------|--|
| i | message disappears, and this key can't be used) Go to next record(If you are in the last record this message |
| * | disappears, and this key can't be used) |
| ← | Go to previous page (If you are in the first page, this message |
| | disappears, and this key can't be used) |
| → | Go to next page (If you are in the last page, this message |
| | disappears, and this key can't be used) |

5. Press Escape (Esc) key to go back to previous menu

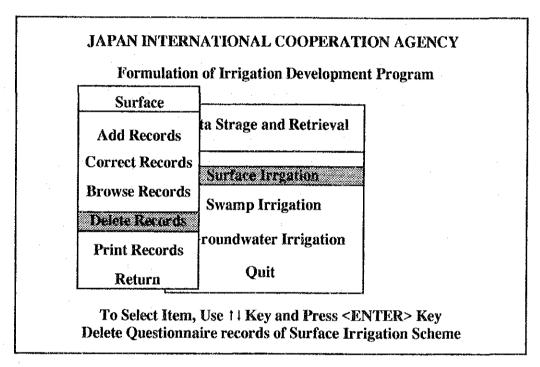
Menu of browse appears on the screen again

6. Type ID Number (or Scheme Name) to continue data browse Otherwise, press just Enter key to quit Data Browse Sub-menu and go back to previous menu.

5.2.4 Data Deletion Sub-menu

You can use Data Deletion sub-menu in case you want to delete record that is already stored. Once you specify record to delete, computer searches record you specified and displays it on the screen. Then, Asked if the selected record is to be deleted or not, you can determine the date deletion. Note that the deleted records can not be recalled by this system. So take care very much for use of this sub-menu.

1 Use↑↓ key to select <u>Delete Records</u> and press Enter key.



2 Data Deletion Sub-menu starts with following screen

JAPAN INTERNATIONAL COOPERATION AGENCY

Formulation of Irrigation Development Program

Inventory Survey

Surface Irrigation Scheme

Data Deletion

Index to search (1) ID Number (2) Scheme Name (0) Quit

Select Index to search

Type 0 and press <Enter> key to go back previous menu

As an index of record search, you can use either ID Number or Scheme Name.

Type 1 and press Enter key to make ID Number an index,

Type 2 and press Enter key to make scheme name an index.

Otherwise, type 0 and press Enter key to quit sub-menu and go back previous screen.

| Index is ID Number: | Type ID Number of Irrigation Scheme to delete and press Enter key |
|---------------------------|---|
| JAPAN INTERNA | ATIONAL COOPERATION AGENCY |
| Formulation of Irr | igation Development Program |
| Inventory Survey | |
| Surface Irrigation | Scheme |
| Data Deletion | |
| ID Number: | |
| Enter ID Number i | for deletion |
| Press <enter> key</enter> | to quit menu |
| Index is Scheme Name: | Type Name of Irrigation Scheme to delete and press Enter key |
| JAPAN INTERNA | TIONAL COOPERATION AGENCY |
| Formulation of Irrig | gation Development Program |

3.

JAPAN INTERNATIONAL COOPERATION AGENCY Formulation of Irrigation Development Program Inventory Survey Surface Irrigation Scheme Data Deletion Scheme Name:

Press <Enter> key to quit menu

Computer checks if record, that has same ID Number (or Scheme Name) as entered one, exists in the master file. If it is not found in the file, computer sends message of

"Record of ID Number xxxxxxxx (or Scheme Name xxxxxx) does not exists in master file. Please check ID Number. (or Scheme Name) again." So check the ID Number (or Scheme Name) again carefully.

4 The specified record appears on the screen.

| ID NO: NAME OF SCHEME | |
|--|--|
| | |
| | |
| Do you want to delete this record? | |
| | |
| | |
| Please type Y or N and press <enter> key</enter> | |
| 22222 3, 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | |

Computer confirm you if you surely delete specified record.

Type Y and press Enter key for deletion

Type N and press Enter key to cancel deletion.

(Default value is N. So, just press Enter key to cancel deletion)

Menu of deletion appears on the screen again

5 Enter ID Number (or Scheme Name) to continue data browse Otherwise, press just Enter key to quit data browse sub-menu and go back to previous menu.

5.2.5 Data Print Sub-menu

<u>Data Print Sub-menu</u> can be used to check the input data by printout. You can select one of two options; one is one record print, and the another is range print that allows you to print plural record at selection print range.



Before printing, be sure your printer is on-line and paper is set in proper position.

Use ↑↓ key to select <u>Print Records</u> and press Enter key.
Data Print sub-menu starts with following screen

JAPAN INTERNATIONAL COOPERATION AGENCY Formulation of Irrigation Development Program **Surface** ta Strage and Retrieval Add Records Correct Records Surface Irrgation **Browse Records Swamp Irrigation Delete Records** roundwater Irrigation Print Records Quit Return To Select Item, Use ↑↓ Key and Press <ENTER> Key Print Questionnaire records of Surface Irrigation Scheme

2 As an index of record search, you can use either ID. Number or Scheme Name.

Type 1 and press Enter key to make ID Number an index,

Type 2 and press Enter key to make scheme name an index.

Otherwise, type 0 and press Enter key to quit sub-menu and go back previous screen.

JAPAN INTERNATIONAL COOPERATION AGENCY

Formulation of Irrigation Development Program

Inventory Survey

Surface Irrigation Scheme

Data Printout

Index to search (1) ID Number (2) Scheme Name (0)Quit

Select Index to search

Type 0 and press <Enter> key to go back previous menu

3 Further, you are prompted to print only one record or more than two serial records.

JAPAN INTERNATIONAL COOPERATION AGENCY

Formulation of Irrigation Development Program

Inventory Survey

Surface Irrigation Scheme

Data Printout

1. One sheet print 2. Range Print 0. Previous menu []

Select No. (1 or 2 or 0)

Type 1 to print only one record.(Go to 4)

Type 2 to print more than two serial records. (Go to 5)

Type 0 to go back to previous screen. (Go back to 2)

| 4. | One record printout |
|----|---------------------|
|----|---------------------|

Index is ID Number:

Type ID Number of Irrigation Scheme to print

and press Enter key.

Index is scheme name:

Type Name of Irrigation Scheme to print and

press Enter key.

JAPAN INTERNATIONAL COOPERATION AGENCY

Formulation of Irrigation Development Program

Inventory Survey

Surface Irrigation Scheme

Data Printout

Enter ID Number to print

Press <Enter> key to go back to previous menu

Computer checks if record, that has same ID Number (or Scheme Name) as entered one, exists in the master file. If it is not found in the file, computer sends message of "Record of ID Number xxxxxxxxx (or Scheme Name xxxxxxx) does not exists in master file. Please check ID Number (or Scheme Name) again." So check the ID Number (or Scheme Name) again carefully.

Skip 5 and move to 6

| 5. | Plural records printout |
|----|-------------------------|
|----|-------------------------|

Index is ID Number:

Type ID Number of Irrigation Scheme to start

print and press Enter key.

Index is scheme name:

Type Name of Irrigation Scheme to start print

and press Enter key.

JAPAN INTERNATIONAL COOPERATION AGENCY

Formulation of Irrigation Development Program

Inventory Survey

Surface Irrigation Scheme

Data Printout

Enter ID Number to start print

Press <Enter> key to go back to previous menu

Computer checks if record, that has same ID Number (or Scheme Name) as entered one, exists in the master file. If it is not found in the file, computer sends message of "Record of ID Number xxxxxxxxx (or Scheme Name xxxxxx) does not exists in master file. Please check ID Number (or Scheme Name) again." So check the ID Number (or Scheme Name) again carefully.

Index is ID Number:

Type ID Number of irrigation scheme to end

print and press Enter key.

Index is scheme name:

Type Scheme Name of irrigation scheme to end print and press Enter key.

| Formulation of Irrigation Deve | elopment Program |
|--------------------------------|------------------|
| Inventory Survey | |
| Surface Irrigation Scheme | • |
| Data Printout | |
| Enter ID Number to start print | |
| Enter ID Number to end print | |
| | |

Computer checks if record, that has same ID Number (or Scheme Name) as entered one, exists in the master file. If it is not found in the file, computer sends message of "Record of ID Number xxxxxxxxx (or Scheme Name xxxxxxx) does not exists in master file. Please check ID Number (or Scheme Name) again." So check the ID Number (or Scheme Name) again carefully.

6 Printout starts. Press Esc key to cancel print

Be sure your printer is on-line. If not, Message of "Please ready your printer or press ESC to cancel" appears. Make the printer on-line, otherwise, press Esc key to cancel print

- When Printing is finished, computer return to previous menu.
- 8. Go back to 3. Repeat printing or type 0 and press Enter key to go back to previous menu.

5.3 **Report Sub-System**

Once the records are stored into database system, you can utilize the data freely and print out data by any format you want. In the system, following kinds of output formats are provided for each category of irrigation;

| (1) | Surface irrigation scheme | 12 |
|-----|-------------------------------|----|
| (2) | Swamp irrigation scheme | 7 |
| (3) | Groundwater irrigation scheme | 2 |



Use 11" x 15" paper to print report.

To start Print Report Menu, type DO MENU2 from dot prompt and press Enter key

5.3.1 Report of Surface Irrigation Scheme

Items to print are as follows;

- 1 2 3 4 5 6 7 Scheme History Scheme History (Current O/M) Scheme History (On-Going) Scheme History (Proposed) Present Condition of Area (No.1) Present Condition of Area (No.2) Area Condition after Works (No.1) Area Condition after Works (No.2) Length of Canals Cost (No.1) 10 Cost (No.2) 11
- Head Works & Environment 12

1 Use ↑↓ key to select report of <u>Surface Irrigation</u> Scheme and press Enter key.

JAPAN INTERNATIONAL COOPERATION AGENCY Formulation of Irrigation Development Program

Print Report

Surface irrgation

Swamp Irrigation

Groundwater Irrigation

Quit

To Select Item, Use † | Key and Press <ENTER> Key Print Reports for Surface Irrigation Scheme

2 Use ↑ ‡ key to select <u>Region</u> and press Enter key.
Indonesia is divided into six Region in this system. You can choose Region whatever you like to print.

| Surface | ltion of Irrigation Development Program | | |
|-------------|---|--|--|
| Sumatera | Print Report | | |
| Jawa | : | | |
| Bali & NT | Surface Irrgation | | |
| Kalimantan | Swamp Irrigation | | |
| Sulawesi | Groundwater Irrigation | | |
| Maluku & IJ | Ouit | | |
| Return | : | | |

3 Use ↑↓ key to select <u>Province</u> and press Enter key.

| | Sumatera | igation Development Program |
|----------------|---------------------|-----------------------------|
| St A. D,I,Aceh | | |
| Su | B. Sumatera Utara | rint Report |
| | C. Sumatera Barat | The Atoport |
| Bal | D.Riau | • |
| | E. Jambi | ace Irrgation |
| Kali | F. Sumatera Selatan | mp Irrigation |
| Su | G. Bengkulu | dwater Irrigation |
| Malı | H. Lampung | |
| R | I. Return | Quit |

4 Use ↑↓ key to select Item to Print and press Enter key.

| | Sumatera | io | Item to Print |
|----------|---------------------|------------|--|
| St | A. D,I,Aceh | 7.5 | A. Scheme History (Summary) |
| Su | B. Sumatera Utara | 1. | B. Scheme History (Current O/M) |
| | C. Sumatera Barat | III | C. Scheme History (On-Going) D. Scheme History (Proposed) |
| _] | D.Riau | | E. Present Condition of Area (No.1) |
| Bal | E. Jambi | 3.0 | F. Present Condition of Area (No.2) |
| Kali | - | nj | G. Area Condition after Works (No.1 H. Area Condition after Works (No.2 |
| Su | G. Bengkulu | Ìч | I. Length of Canals |
| Malı | H. Lampung | | J. Cost (No.1) |
| R | I. Return | 1 | K. Cost (No.2) |
| <u> </u> | To Select Item, Use | J⊷⊷ ↑↓↑ | L. Head Works & Environment M. Return |

Computer selects records that Province is same as that you specify.

Supposing no record is selected computer send message of "There is no data to meet condition" and goes back to previous menu.

5 Printout starts. Press Esc key to cancel print



Be sure your printer is on-line. If not, Message of "Please ready your printer or press ESC to cancel" appears. Make the printer on-line, otherwise, press Esc key to cancel print

6 After printing, previous menu of 4 appears again. Select other items to print. Otherwise, select Return or press Esc to go back to previous screen.

5.3.2 **Report of Swamp Irrigation Scheme**

Items to print are as follows:

- Scheme History (Summary)
- Scheme Summary (Current O/M)
- 2 3 Scheme History (Program)
- 4 Scheme Area
- 5 Length of Canals
- 6 Cost
- **Environment**
- 1 Use ↑↓ key to select report of Swamp Irrigation Scheme and press Enter key.

JAPAN INTERNATIONAL COOPERATION AGENCY

Formulation of Irrigation Development Program

Print Report

Surface Irrgation

Swamp irrigation

Groundwater Irrigation

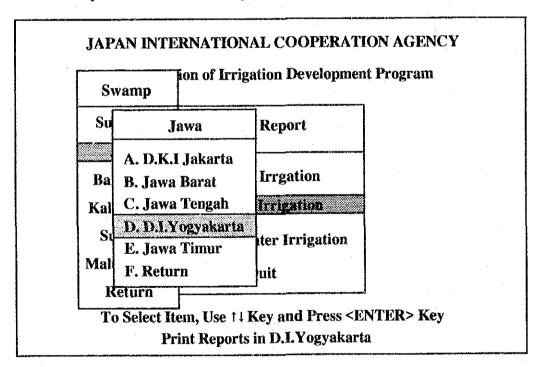
Quit

To Select Item, Use ↑↓ Key and Press <ENTER> Key **Print Reports for Swamp Irrigation Scheme**

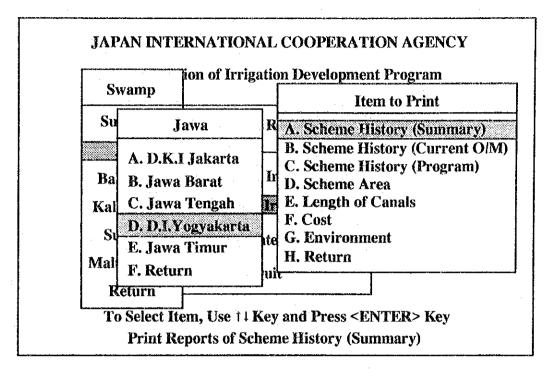
2 Use ↑↓ key to select Region and press Enter key. Indonesia is divided into six Region in this system. You can choose Region whatever you like to print.

| Swamp | ion of Irrigation Developmen | t Program |
|-----------------------|------------------------------|-----------|
| Sumatera | Print Report | : |
| Jawa Bali & NT | Surface Irrgation | |
| Kalimantan | Swamp Irrigation | |
| Sulawesi | Groundwater Irrigation | |
| Maluku & IJ Return | Quit | |

3 Use ↑↓ key to select <u>Province</u> and press Enter key.



4 Use ↑↓ key to select Item to Print and press Enter key.



Computer selects records that Province is same as that you specify.

Supposing no record is selected computer send message of "There is no data to meet condition" and goes back to previous menu.

- 5 Printout starts. Press Esc key to cancel print
 - Be sure your printer is on-line. If not, Message of "Please ready your printer or press ESC to cancel" appears. Make the printer on-line, otherwise, press Esc key to cancel print
- After printing, previous menu of 4 appears again. Select other items to print. Otherwise, select <u>Return</u> or press Esc to go back to previous screen.

5.3.3 Report of Groundwater Irrigation Scheme

Items to print are as follows;

- 1 Scheme History
- 2 Others

1 Use 1 key to select report of Groundwater Irrigation scheme and press Enter key.

JAPAN INTERNATIONAL COOPERATION AGENCY

Formulation of Irrigation Development Program

Print Report

Surface Irrgation

Swamp Irrigation

Groundwater Irrigation

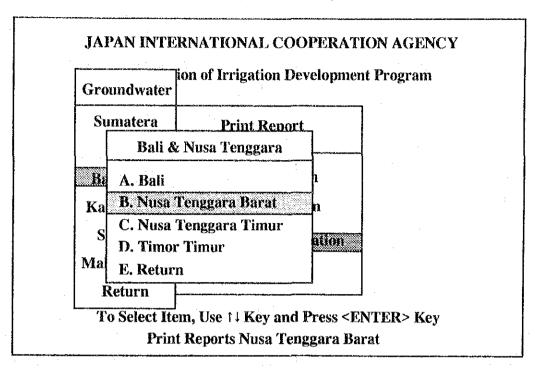
Quit

To Select Item, Use † | Key and Press <ENTER> Key Print Reports for Groundwater Scheme

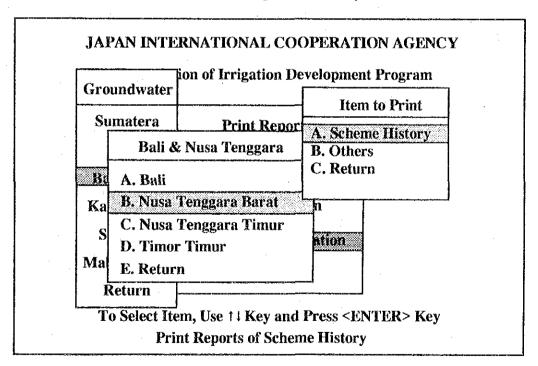
Use † key to select <u>Region</u> and press Enter key. Indonesia is divided into six Region in this system. You can choose Region whatever you like to print.

JAPAN INTERNATIONAL COOPERATION AGENCY ion of Irrigation Development Program Groundwater Sumatera **Print Report** Jawa **Surface Irrgation** Bali & NT **Swamp Irrigation** Kalimantan Sulawesi Groundwater Irrigation Maluku & IJ Quit Return To Select Item, Use 14 Key and Press <ENTER> Key Print Reports for Groundwater Irrigation Scheme in Bali & Nusa Tenggara

3 Use ↑↓ key to select <u>Province</u> and press Enter key.



4 Use ↑ key to select Item to Print and press Enter key.



Computer selects records that Province is same as that you specify.

Supposing no record is selected computer send message of "There is no data to meet condition" and goes back to previous menu.

5 Printout starts. Press Esc key to cancel print



Be sure your printer is on-line. If not, Message of "Please ready your printer or press ESC to cancel" appears. Make the printer on-line, otherwise, press Esc key to cancel print

After printing, previous menu of 4 appears again. Select other items to print. Otherwise, select <u>Return</u> or press Esc to go back to previous screen.

5.4 System Maintenance Sub-system

This <u>System Maintenance Sub-system</u> is used to keep data and the system in proper condition. Frequent <u>backup</u> of stored data is essential for preventing some trouble because crash of computers and infection by a computer virus could result in damage of stored data. Therefore, program to make data backup from a hard disk drive of computer set to floppy disk drive is attached to the system. Furthermore, in reverse, function to <u>restore</u> data from floppy disk drive to hard disk drive is also installed. Other miscellaneous function are also described in this section.

To start System Maintenance Menu, type DO MENU3 from dot prompt and press Enter key

5.4.1 Data Backup Sub-menu

1 Use \dagger key to select Data Backup and press Enter key.

JAPAN INTERNATIONAL COOPERATION AGENCY

Formulation of Irrigation Development Program

System Maintenance

Data Kackun

Data Restore

File Cleaning

Show Information

Quit

To Select Item, Use 11 Key and Press <ENTER> Key Backup database file to floppy disk

2. Menu of Data backup appears on the screen.

JAPAN INTERNATIONAL COOPERATION AGENCY

Formulation of Irrigation Development Program

Inventory Survey

Data Backup to Floppy Disk

Floppy disk to use []

- 2DD Type (720 kb)
 2HD Type (1440 kb)
- (0) Quit

Select Type of Floppy

Type 0 and press <Enter> key to go back to previous menu

Select type of Floppy disk for backup

Type 1 and press Enter key to select double density type (2DD, 720 kilobyte capacity).

Type 2 and press Enter key to select high density type (2HD, 1.44 megabyte capacity)

Otherwise, type 0 and press Enter key to quit sub-menu and go back previous screen.

3. The computer estimates number of floppy disks for backup all data and it is shown on the screen.



Be sure all required disks are already formatted.

The computer confirms to proceed data backup. Type Y to proceed. Type N to cancel backup and go back to previous menu. (Default is N. So just type Enter key to select N and go back to previous menu)

4. Data Backup starts.

Insert floppy disk according to message of "Please insert No. xx disk" Press any key to continue.

Message of "Now backup disk No. xx. Wait a moment" appears on the screen.

5. When backup is completed, message of "Backup file is completed successfully"

Press any key to go back to Data maintenance Menu.

Date of data backup is kept in the file so that you can identiify floppy disk in case of data restration from floppy disk to hard disk.

For your safety, making two sets of backup data would be recommended.

5.4.2 Data Restore Sub-menu

1 Use ↑↓ key to select <u>Data Restore</u> and press Enter key.

JAPAN INTERNATIONAL COOPERATION AGENCY

Formulation of Irrigation Development Program

System Maintenance

Data Backup

Data Restore

File Cleaning

Show Information

Quit

To Select Item, Use ↑↓ Key and Press <ENTER> Key Restore data from floppy disk

2. Menu of Data Restore appears on the screen.

JAPAN INTERNATIONAL COOPERATION AGENCY

Formulation of Irrigation Development Program

Inventory Survey

Data restore from Floppy Disk

Numbers of total latest backup disks are 10

Be sure all disk are available

Do you want to proceed restore? N Please type Y or N and press <Enter> key

3. The computer indicates <u>number of floppy disks</u> you have made backup copy.



Be sure all disks are with you.

The computer confirms to proceed data restore. Type Y to proceed. Type N to cancel restore and go back to previous menu. (Default is N. So just type Enter key to select N and go back to previous menu)

4. Verification of floppy disk starts
Insert floppy disk according to message of "Please insert No. xx disk" and press any key to continue.

First, the computer verifies that all disks that you made backup are available.

If you insert incorrect disk, Message of "Floppy disk is not correct" appears on the screen. Press any key to quit Data Restore Sub-menu.

If floppy is you inserted is correct, the computer verifies that the backup file is the latest one. If not, message of "This data is not latest one! Please check" appears on the screen. Press any key to quit Data Restore Sub-menu.

5. Data Restore starts

After verification of floppy disk, the message of "Please insert No. xx disk" Message of "Now copying disk No. xx. Wait a moment" appears on the screen. Be sure you insert correct disk according to indicate of the computer. If you insert incorrect disk, Message of "Floppy disk is not correct" appears on the screen.

6. When restore is completed, message of "Restore of data is completed successfully" Then, Newly copied files will be indexed again.
Press any key to go back to Data maintenance Menu. Re-index of files starts with message of "Now files are re-indexed. Wait minutes..."

After re-indexing, menu of Data Maintenance Sub-system appears on the screen

5.4.3 File Cleaning

It is expected that an unnecessary information would be accumulated in the files. Further, information you deleted by use of Data Deletion Sub-menu still remains in the files. Accordingly, occasional cleaning of file is necessary to eliminating size of file.

1 Use ↑↓ key to select <u>Cleaning File</u> and press Enter key.

JAPAN INTERNATIONAL COOPERATION AGENCY

Formulation of Irrigation Development Program

System Maintenance

Data Backup Data Restore

File Cleaning

Show Information

Quit

To Select Item, Use ↑↓ Key and Press <ENTER> Key Cleaning database file

2. Menu of Cleaning File appears on the screen.

JAPAN INTERNATIONAL COOPERATION AGENCY

Formulation of Irrigation Development Program

Inventory Survey

Cleaning File

Do you want to proceed clean files? N Please type Y or N and press <Enter> key

3. The computer confirms to proceed cleaning file. Type Y to proceed. Type N to cancel cleaning and go back to previous menu. (Default is N. So just type Enter key to select N and go back to previous menu)

- 4. File cleaning starts with message like "Now, file of surface irrigation scheme is being cleaned! Wait moments" Re-index of file are also made while message like "Now, file of swamp irrigation scheme is being re-indexed wait moments"
- 5. When cleaning is completed, message of "Restore of data is completed successfully" Menu of Data Maintenance Sub-system appears on the screen

5.4.4 Show Information Sub-menu

Show Information Sub-menu indicates information of files, such as date of instalation, update, backup.

1 Use † key to select show Information and press Enter key.

JAPAN INTERNATIONAL COOPERATION AGENCY

Formulation of Irrigation Development Program

System Maintenance

Data Backup Data Restore File Cleaning

Show Information

Quit

To Select Item, Use † | Key and Press <ENTER> Key Show information of database file 2. Information of files appears on the screen.

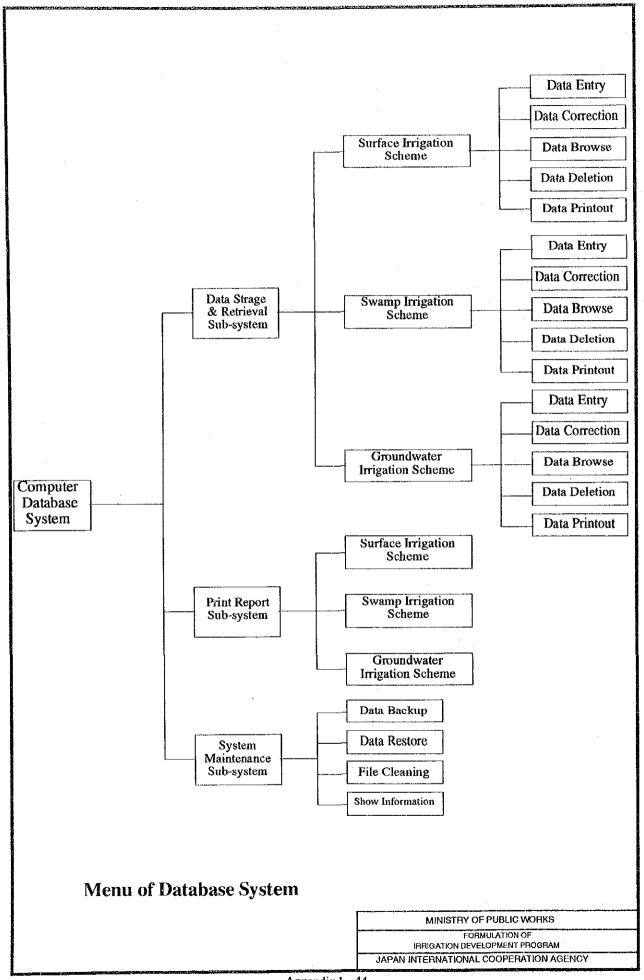
JAPAN INTERNATIONAL COOPERATION AGENCY Formulation of Irrigation Development Program **Inventory Survey Show Information of Files** Date of Date of Date of Kind of Scheme Install Update Backup Surface 08/04/93 08/04/93 08/04/93 08/04/93 08/04/93 08/04/93 Swamp Groundwater 08/04/93 08/04/93 08/04/93 Press any key to continue ... (Month / Date / Year)

3. Press any ket to go back to System Maintenance Sub-system.

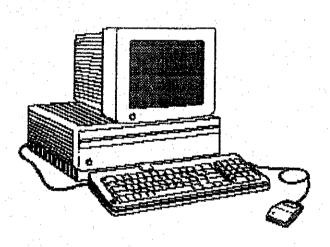
6 Quit d-BASE IV

To quit d-BASE, from dot prompt type QUIT and press Enter key.

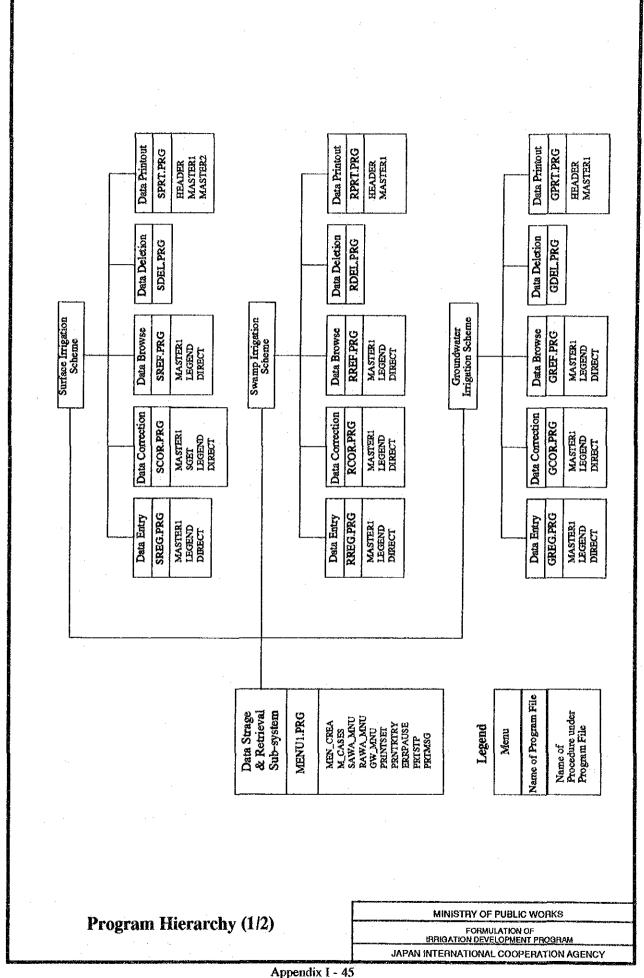
• QUIT

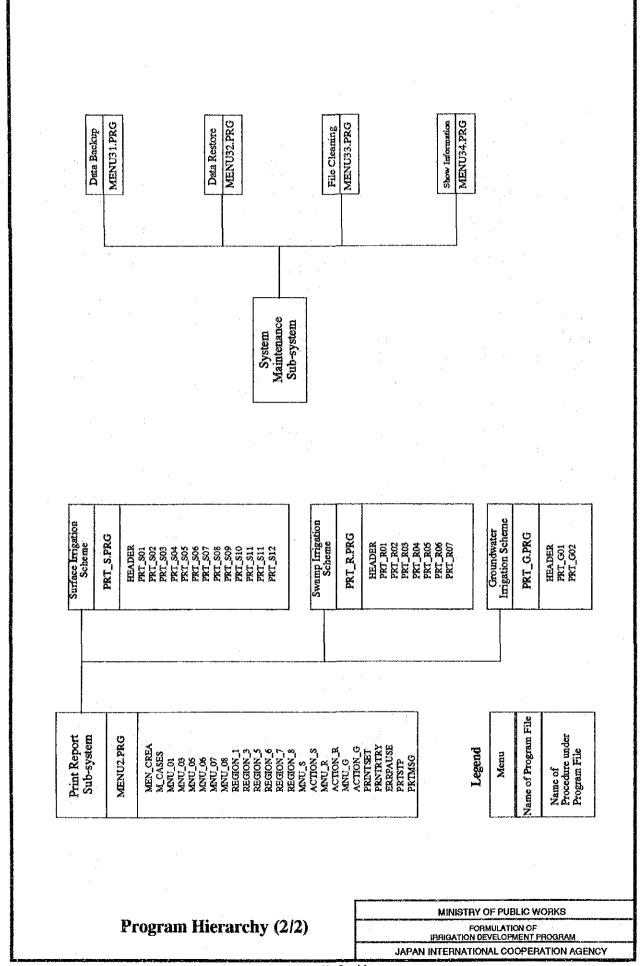


Appendix - 2 System Description of Database



| 는 하는 성도 있는 다음을 하는 것이 하는 것이 하는 것이 하는 것이 되었다. 그런 사람들은 사람들은 사람들이 되었다. 그런 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 | |
|--|------------|
| | |
| 그리고 그는 말을 하는 그는 모양에 들어가 하는 것이 없는 것이 되는 것이 되는 것이 없는 것이 없는 것이 없는 것이다. | |
| | |
| 그는 사람들은 토토를 하지만 어린이 있는 그렇게 되었다. 그는 바람들이 하는 물로 살은 뒤 있을 수 있다는 말로 했다. | |
| 그런데는 그런데 가다면 그 만든 하라면 하면 만드러도 됐는데 하면 하는데 하는데 하를 수 있다. | ş. |
| 그 그 말이 되고 있는데 보이 하는데 한 것이 하는데 모든 사람이 되는데 하는데 되는데 하는데 하는데 없는데 하는데 없는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하 | |
| 는 사용하는 것들은 사용되는 것이 되는 것이 되었다. 그는 것이 사용되는 사용하는 것이 되었다는 것이 되었다. 그는 것은 것은 것이 되었다는 것이 되었다. | |
| 그러나를 하는 한테로 수 있을 때문에 하는 사람들은 그리는 사람들은 그리는 마음을 잃었다면 하는 것이 살아 있었다. 그리는 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 | : |
| | : |
| | |
| | 1 - |
| 는 사람이 되는 이러 보통하는 사람은 모양을 받는데 되는데 되는데 보는데 모양하는데 되었다. 그는데 이번 기를 받는데 되었다. 그는데 되는데 되는데 되는데 되었다. | i., . |
| 그 한 회원의 흥분병을 들었다. 그는 학생 하는 학생의 교육을 가면 하게 되었다. 그렇게 되었다는 것이 어떻게 되었다. | |
| 그렇게 되었다면 하는 살이 있다면 그렇게 되었다면 그는 그 사람이 얼마를 모르게 하는 사람들은 얼마를 모르는 살아. | 4 |
| | |
| 그러난 경험을 발표하는 하려면 하는 사람이 들어 있는 것 않는 것이 되는 것을 통해 그는 가족 통해를 하고 한 동통 화학의 | ٠. |
| 그리는 사람이는 눈이 살렸다. 그런 하고 있으면 하는 사람들은 하는 하는 하는 것은 바람들은 모양한 다른 살았다. | |
| 그 이 사이 전에 가는 사람들은 하는 것이 되었다. 하는 사람들은 하는 사람들은 사람이 되었다. 그렇게 되었다. | : |
| 는 마을 하는 것이 되었다. 그는 말을 하는 것을 사용하는 것을 보면 말라고 있다. 그는 그는 말라는 것이 말라는 것이 바람이 되었다. 그는 것은 것이 없는 것은 것이다. | |
| 그는 사고하다면 되는 사람들이 되었다. 그는 사람들은 사람들을 보고 있다면 하는 사람들이 되었다. 그는 사람들은 이 경기를 받는다. | |
| 그는 사람이 하는 아이들 회는 물은 사람들의 화가를 하는 것이 하는 것이 되었다. 그런 작가 가려면 하다. | 7 |
| 그는 모르는 사람이 그 그는 사람들이 그렇게 하면 가득하고 있었다. 그는 사람들은 그는 사람들이 하는 것은 것이다. | |
| 는 마음이 하는 것이 되는 것이 되었다. 그는 것을 모든 것이 되었다. 그런 그런 사람들은 말을 하는 것을 보고 있다면 되었다. 그는 것이 되었다. 사람들이 되었다. 사람들이 되었다. 사람들이 되었다. | |
| | |
| | |
| 그 보일으로 그 아이는 물일을 마을 생각하면 했다. 그리는 물론이 이번 끝내고 남은 말이 아이들의 남은 날 때문을 되었다. | 4 |
| 그 얼마나 있다면 하는데 가를 잃었다. 그는 이 얼마를 하는데 되는 것이 되는 것이 없는데 말을 하는데 되었다. 그는 것이 없는데 그렇다. | |
| | M SI |
| 그리의 제일하다는 음자는 문자는 가게 가장 되었다. 내용 문제, 본호관리를 되고 대통증 중심을 다고 가능성했다. | |
| | |
| 그 마일 그 원호하는 그 그는 아이들이 그리는 이 그리는 경험에 가장 하는 것이다. 그런 것이다. | e. Li |
| 그리트리는 이 그리는 전 그 이번 그림이라는 이 그리면 그렇게 하는 사람들이 바다는 데 놀라운 그를 두 통한 문화를 했다. | |
| 그러워 내지 있는 한 그리고 나는 가게 되는 내게 가는 하는 한 살아 들었다. 이번 그리고 하는 사람들이 살았다. |) - V |
| 그 그들은 보는데, 그리고 하는 이름을 하고 있는 때문에 가는 사람들에게 되었다. 그는 그를 살았다. 사람들 | 11. 13. |
| 그리는 이 그리는 그 이 어로 이 나는 사람들은 생각을 가고 있는 이 그는 사람들이 살 때문에 모든 사람들이 되었다. | |
| 그는 이보고 하는 이 프로디는 일하는 보인. 그 한국으로 그릇하는 화대는 이렇게 없는 것을 받았다. | į |
| 그는 이번 등 눈인 이 보고 원이라고 있다. 눈이 보인 하루양 집을이는 화로 되다. 흥의 집에 얼룩살이면, | |
| | i. |
| 그리아이들 그는 경임 아이들은 눈들은 하기도 하는데 그는 모습이 하는 것들이 가는데 있었다. | i. |
| 그 항 그리 그는 그가 되는 것이 그리고 보니고 하고 있다. 일반 그를 하는 그로 그를 통해 살아지고 있다. 그림을 다 되었다. | |
| 는 사람들은 사람들은 사람들이 가는 물론을 가는 사람들이 가장 되었다. 생각 사람들이 가장 사람들이 되었다. 그는 사람들이 되었다. | |
| | |
| 그들이 그리는 이 그리는 그들은 얼마는 그들은 학교의 학교 문학을 통해 주는 일을 받았다. | |
| 그리는 학교는 그림 회사는 학생님은 이 아마가 있는 문항들에 한다는 대표에는 회원들은 일 때 생각 기학생들의 | |
| 그는 물이 있는 경우는 되고, 연락을 되었다고 하다니다. 이 생각, 성은 연락을 되었다는 경우로 관한 중심을 받았 | |
| 그리아는 하는데 하지만 하십시오. 그는 아이들에 대통령을 했는데, 불교로 보고 아이를 받는 목록하는데 되는 | |
| | i. A |
| | |





Description of Database Files (.DBF)

| Name of File | Description of Database File | Numbers of Fields |
|--------------|---|----------------------|
| SAWA1.DBF | Information of Surface Irrigation Scheme (No.1) | 148 |
| SAWA2.DBF | Information of Surface Irrigation Scheme (No.2) | 97 |
| RAWA.DBF | Information of Swamp Irrigation Scheme | 147 |
| GW.DBF | Information of Groundwater Irrigation Scheme | 63 |
| INFO.DBF | Information of File Installation/Update/Restore | 5 |

Description of Multi Index Files (.MDX)

| Name of File | Key Field of Index |
|--|---|
| SAWA1.NDX SAWA2.NDX RAWA.NDX GW.NDX | ID Number, and Scheme Name |

Structure of Database Files (Page 1 of 7)

Name of Database File : SAWA1.DBF (1/2)

| | Field Name | Field Type | | Field Decial | | Description of Field | |
|-------------|------------------|---------------|---------|-----------------|--------|--|--|
| | ID_NO | C | 11 | 0 | Y | Identification Number of scheme | • |
| | NAME | C | 30 | 0 | Y | Name of scheme | |
| | R_NO | C | 1 | 0 | N . | Region Code | |
| | D IXO | c c | 2 2 | 0 | n H | Province Code Province Code | • |
| | Q11A Q11B | C | 20 | 0 | N | Province Name | |
| ٠. | Q121A | Ċ. | 4 | ō | N | Kabupaten Code | |
| | Q121B | C | 20 | 0 | Ħ | Kabupaten Name | |
| | OT3TV. | C | 6 | 0 | Ħ | Kecamatan Code 1 | , |
| | Q131B | C | 20 | 0 | N | Kecamatan Name 1 | |
| | Q132A | C | 6 | 0 | n N | Kecamatan Code 2 Kecamatan Name 2 | |
| | Q132B Q133A | C C | 20 6 | 0 | И | Kecamatan Code 3 | |
| | Q133B | Ċ · | 20 | Õ | N | Kecamateri Name 3 | |
| | Q134A | c | 6 | 0 | N | Kecamatan Code 4 | |
| | Q134B | .C | 20 | 0 | 31 | Kecamatan Name 4 | • |
| | Q135A | C | 6 | 0 | N | Kecamatan Code 5 | |
| | Q135B | C | 20 | 0 | N | Kecamatan Name 5 | |
| | Q136A | c | 6 | 0 | n N | Kecamatan Code 6 Kecamatan Name 6 | |
| | Q136B | C C | 20 6 | 0 | N | Kecamatan Code 7 | • |
| | Q137A Q137B | c | 20 | 0 | N | Kocametan Name 7 | |
| | Q138A | c | 5 | ō | n | Kecamatan Code 8 | |
| | Q138B | c | 20 | ō | N | Kecamatan Name 8 | |
| | Q14 | Ċ | 10 | ò | N · | Code for Buku | |
| | CS1V | C | 1 | 0 | 17 | Current O/M | Mark 'x' if applicabl Mark 'x' if applicabl |
| | Q21B | c | 1 | 0 | N | On-going, Rehabilitation | Mark 'x' if applicabl |
| | Q21C | C | 7 | 0 | N | On-Going, Construction | Mark 'x' if applicabl |
| | Q21D | C | 1 | 0 | N N | Proposed, Construction | Mark 'x' if applicabl |
| | Q21E | C C | 1 | 0 | N | Current O/M, History Current O/M | Mark 'x' if applicabl |
| | Q221A Q221B | c | . 1 | 0 | 17 | Current O/M, History Current O/M | Mark 'x' if applicabl |
| | 0331G | c . | 1 | ő | N | Current C/M, Rietory Current O/M | Mark 'x' if applicabl |
| | O337D | c | ī | 0 | Ħ | Current O/M, History Current O/M | Mark 'x' if applicabl |
| | Q221E | C | 1 | 0 | 22 | Current O/M, History Current O/M | Mark 'x' if applicabl Mark 'x' if applicabl |
| | Q221F | c | 1 | 0 | N | Current O/M, History Current O/M | Mark 'x' if applicable |
| | Q221G | C | 1 | . 0 | N | Current O/M, History Current O/M Current O/M, History Current O/M | Mark 'x' if applicabl |
| | Q221H | c c | 1 | · 0 | n N | Current O/M, History Current O/M | Mark 'x' if no |
| | Q221I Q222A | c | 1 | 0 | n | Current O/M, Level of Irrigation | Mark 'x' if yes |
| | Q222B | Ċ | ĩ | 0 | n | Current O/M, Level of Irrigation | Mark 'x' ir applicab |
| | Q222C | Ċ. | ì | 0 | N | Current O/M, Level of Irrigation | Mark 'x' if applicab |
| | Ø331VI | С | 1 | 0 | H | On Going Rehabilitation, History | Mark 'x' if applicabl |
| | Q231A2 | C | 2 | 0 | N | On Going Rehabilitation, History | Mark 'x' if applicabl |
| | Q231B1 | C | 1 | 0 | 13 | On Going Rehabilitation, History | PHIR X II applicant |
| 5 | Q231B2 | C | 2 | 0 | N N | On Going Rehabilitation, History On Going Rehabilitation, History | Mark 'x' if applicabl |
| ; | Ö531G5 Ö531G1 | c c | 1 2 | 0 | H | On Going Rehabilitation, History | |
| , | Q23102 Q231D1 | c | ī | Ö | 11 | On Going Rehabilitation, History | Mark 'x' if applicabl |
|) | Q23 1D2 | Ċ | 2 | 0 | N | On Going Rehabilitation, History | |
| L | Q231B1 | c | 1 | 0 | n | On Going Rehabilitation, History | Mark 'x' if applicabl |
| 2 | Q231E2 | C | 2 | 0 | Ħ | On Going Rehabilitation, History | Mark 'x' if applicabl |
| i | Q231F1 | C | 1 | 0 | H | On Going Rehabilitation, History | Mik k ii apprious. |
| Ł | Q231F2 | c | 2 | 0 | n N | On Going Rehabilitation, History On Going Rehabilitation, Kind of Rehabilitation | Mark 'x' if applicab |
| | Q232A | c c | 1 1 | 0 | N | On Going Rehabilitation, Kind of Rehabilitation | Mark 'x' if applicab |
| , | Q232B | C C | 1 | 0 | H | On Going Rehabilitation, Kind of Rehabilitation | Mark 'x' if applicab |
| | Q233A | č | ī | o o | N | On Going Rehabilitation, Level of Irrigation | Mark 'x' if applicab |
| | Q233B | C. | 1 | 0 | N | On Going Rehabilitation, Level of Irrigation | Mark 'x' if applicab |
| 1 | Q233C | c | 1 | 0 | 17 | On Going Rehabilitation, Level of Irrigation | Mark 'x' if applicab |
| | Q234 | C | 10 | 0 | N | On Going Rehabilitation, Lending Agency | Mark 'x' if applicab |
| | Q241A1 | C | 1 | 0 | N . | On Going Construction, History On Going Construction, History | the variable of the state of th |
| | Q24.1A2 | C C | 2 1 | 0 | n N | On Going Construction, History On Going Construction, History | Mark 'x' if applicab |
| | Q241B1 Q241B2 | c | 2 | 0 | N | On Going Construction, History | |
| ī | Q241C1 | c | í | Ö | N | On Going Construction, History | Mark 'x' if applicab |
| , | Q241C2 | č | 2 | 0 | 17 | On Going Construction, History | |
| | Q24 1D1 | C | 1 | 0 | 11 | On Going Construction, History | Mark 'x' if applicab |
| • | Q241D2 | C | 2 | 0 | N | On Going Construction, History | |
| 1 | Q242 | . с | 10 | 0 | n | On Going Construction, Lending Agency | Mark 'x' if applicab |
| L | Q251A1 | C | 1 | 0 | 11 | Proposed Rehabilitation, Ristory Proposed Rehabilitation, History | emin a 11 approxim |
| : | Q251A2 Q251B1 | C C | 2 1 | 0 | n N | Proposed Rehabilitation, History | Mark 'x' if applicab |
| | Q251B1 Q251B2 | c | 2 | o | n | Proposed Rehabilitation, History | |
| | Q251C1 | č | 1 | ō | N | Proposed Rehabilitation, History | Mark 'x' if applicab |
| | Q251C2 | č | 2 | o | N | Proposed Rehabilitation, History | |
| | Q251D1 | c | 1 | 0 | n | Proposed Rehabilitation, History | Mark 'x' if applicab |
| ı | Q251D2 | C | 2 | 0 | Ħ | Proposed Rehabilitation, History | Mark 'x' if applicat |
| • | Q25 LB1 | C | 1 | 0 | 11 | Proposed Rehabilitation, History | rain A. II applicat |
|) | Q251E2 | C | 2 | 0 | n | Proposed Rehabilitation, History | Mark 'x' if applicat |
| | Q251F1 | C | 1 | 0 | N | Proposed Rehabilitation, History Proposed Rehabilitation, History | and a second |
| 1 | Q251F2 | c c | 2 1 | 0 | n | Proposed Rehabilitation, Kind of Rehabilitation | Mark 'x' if applicab |
| } ! | Q252A Q252B | c | ì | 0 | Ħ | Proposed Rehabilitation, Kind of Rehabilitation | Mark 'x' if applicab |
| | Q252B | C | 1 | 0 | 15 | Proposed Rehabilitation, Kind of Rehabilitation | Mark 'x' if applicab |
| | W | | | | | Proposed Rehabilitation, Level of Irrigation | Mark 'x' if applicab |
| ŝ | | C | 1 | 0 | 11 | FIOPOSDU fictamatationorum, maria | |
| 5 6 7 | Q253A Q253B | C C | 1 | 0 | H | Proposed Rehabilitation, Level of Irrigation Proposed Rehabilitation, Level of Irrigation | Mark 'x' if applicab Mark 'x' if applicab |

Structure of Database Files (Page 2 of 7)

Name of Database File : SAWA1.DBF (2/2)

| | Field Name | Field Type | Field Length | | | Description of Field | | |
|------------|----------------|---------------|-----------------|-----|----------|--|------------------------|-------|
| 90 | Q26JA1 | C | 1 | 0 | N | Proposed Construction, History | Mark 'x' if applical | ble |
| 91 | Q261B1 | c | ì | Ö | N | Proposed Construction, History | Mark 'x' if applical | |
| 92 | Q261B2 | C | 2 | 0 | N | Proposed Construction, History | | |
| 93 | Q261C1 | C | 1 | 0 | Ħ | Proposed Construction, History | Mark 'x' if applical | ole |
| 94 | Ø261C3 | C | 2 | 0 | H | Proposed Construction, History | | |
| 95 | Q261D1 | C · | 1 | 0 | N | Proposed Construction, History | Mark 'x' if applical | ole |
| 95 | Q261D2 | C | 2 | 0 . | 53 | Proposed Construction, History | | |
| 97 | Q261B1 | C | 1 | 0 | 11 | Proposed Construction, History | Mark 'x' if applical | ole. |
| 98 99 | Q261E2 Q262 | C C | 2 10 | 0 | N · | Proposed Construction, History Proposed Construction, Lending Agency | | |
| 100 | Q263A | č | 1 | 0 | N | Proposed Construction, Affection by Flood | Mark 'x' if applical | ala ' |
| 101 | Q263B | Ċ | ī | 0 : | N | Proposed Construction, Affection by Flood | Mark 'x' if applical | |
| 102 | Q263C | C | 1 | 0 | N . | Proposed Construction, Affection by Flood | Mark 'x' if applical | |
| 103 | Q264A | C | 1 . | 0 . | n | Proposed Construction, Access to Site | Mark 'x' if applical | ole |
| 1.04 | Q254B | C | 1 | 0 | N | Proposed Construction, Access to Site | Mark 'x' if applical | ole |
| 105 | Q31A | N | 6 | 0 | N | Area of Present Condition, Potential, Tertiary Completed | Item 3.1 | |
| 106 | Q32A | N | 6 | 0 | N | Area of Present Condition, Potential, Tertiary Completed | Item 3.2 | |
| 107 | Q321A | N | 6 | 0 | 31 | Area of Present Condition, Potential, Tertiary Completed | Item 3.2.1 | |
| 108 | Q322A | n | 6 | 0 | N | Area of Present Condition, Potential, Tertiary Completed | Item 3.2.2 | |
| 109 110 | Q33A Q34A | N N | 6 6 | 0 | n n | Area of Present Condition, Potential, Tertiary Completed | Item 3.3 | |
| 111 | Q341A | 33 | . 6 | 0 | n | Area of Present Condition, Potential, Tertiary Completed Area of Present Condition, Potential, Tertiary Completed | Item 3.4 Item 3.4.1 | |
| 112 | Q342A | N | - 6 | 0 | N | Area of Present Condition, Potential, Textiary Completed | Item 3.4.2 | |
| 113 | Q31B | n | 6 | ŏ | N | Area of Present Condition, Potential, Tertiary not Completed | | |
| 114 | Q32B | N | 6 | Ō | N | Area of Present Condition, Potential, Tertiary not Completed | | |
| 115 | Q321B | N | 6 | 0 | u | Area of Present Condition, Potential, Tertiary not Completed | | |
| 116 | Q322B | n | 6 | 0 | N | Area of Present Condition, Potential, Tertiary not Completed | | |
| 117 | , Q33B | N | 6 | 0 | И | Area of Present Condition, Potential, Tertiary not Completed | Item 3.3 | |
| 118 | Q34B | 11 | 6 | 0 | N | Area of Present Condition, Potential, Tertiary not Completed | | |
| 119 | Q341B | 11 | 6 | 0 | N | Area of Present Condition, Potential, Tertiary not Completed | | |
| 120 | Q342B | N | 6 | 0 | N | Area of Present Condition, Potential, Tertiary not Completed | | |
| 121 122 | - Q31C Q32C | n | 6 6 | 0 | n n | Area of Present Condition, Potential Area of Present Condition, Potential | Item 3.1 Item 3.2 | |
| 123 | Q321C | N | 6 | 0 | N | Area of Present Condition, Potential | Item 3.2.1 | |
| 124 | Q322C | N | 6 | ŏ | n | Area of Present Condition, Potential | Item 3.2.2 | |
| 125 | Q33C | N | 6 | 0 | N | Area of Present Condition, Potential | Item 3.3 | |
| 126 | Q34C | 11 | 6 | 0 | N | Area of Present Condition, Potential | Item 3.4 | |
| 127 | Q341C | N | 6 | 0 | N | Area of Present Condition, Potential | Item 3.4.1 | |
| 128 | Q342C | N | 5 | 0 | N | Area of Present Condition, Potential | Item 3.4.2 | |
| 129 | O31D | N | 6 | 0 | N | Area of Present Condition, Area not potential | Item 3.1 | |
| 130 | Q32D . | 17 | 6 | 0 | N | Area of Present Condition, Area not potential | Item 3.2 | |
| 131 | Q33D | N | 6 | 0 | N | Area of Present Condition, Area not potential | Item 3.3 | |
| 132 133 | Q35 Q36 | n | 6 6 | 0 | n | Area of Present Condition, Potential Area Area of Present Condition, Not Yet Potential Area | | |
| 134 | Q37 | N | 6 | 0 | N | Area of Present Condition, Designed Area | 4 | |
| 135 | Q381 | N | 6 | 0 | n | Area of Present Condition, Paddy Cultivation, 1st season | | |
| 136 | Q382 | 33 | 6 | 0 | N | Area of Present Condition, Paddy Cultivation, 2nd season | | |
| 137 | . Q383 | 11 | 6 | 0 | N | Area of Present Condition, Paddy Cultivation, 3rd season | | |
| 138 | Q39A | c | 1 | 0 | N | Area of Present Condition, Reason for undevelopment | | |
| 139 | Q39B | C | 1 | 0 | N | Area of Present Condition, Reason for undevelopment | | |
| 140 | | C | 1 | 0 | 11 | Area of Present Condition, Reason for undevelopment | | |
| 141 | Q39D | c | 1 | 0 | r: | Area of Present Condition, Reason for undevelopment | | |
| 142 | Q39E | C | 1 | 0 | N | Area of Present Condition, Reason for undevelopment | | - |
| 143 | Q39F | C | 1 | 0 | H | Area of Present Condition, Reason for undevelopment | | |
| 144 145 | . Озан Озан | C C | 1 | 0 | n N | Area of Present Condition, Reason for undevelopment | • | |
| 145 | Q39H | C | 1 | 0 | 31 14 | Area of Present Condition, Reason for undevelopment Area of Present Condition, Reason for undevelopment | | |
| 147 | Q391 Q391 | C | 1 | 0 | n | Area of Present Condition, Reason for undevelopment | | |
| 148 | Q39K | N | 6 | 0 | H | Area of Present Condition, further expandable Area | | |

Structure of Database Files (Page 3 of 7)

Name of Database File : SAWA2.DBF (1/2)

| Field Name | Field Type | Field Length | | Field Index | Description of Field | 7.443 |
|----------------|---------------|-----------------|--------|----------------|--|--------------------------|
| ID NO | С | 11 | 0 | Y | Identification Number of scheme | |
| r no | c c | 30 1 | 0 | Y N | Region Code | |
| P 100 | č | 2 | ō | N | Province Code | |
| QAIA | 11 | 6 | 0 | И | Area of Future Condition, Potential, Tertiary Completed | Item 3.1 |
| Q42A | И . | 6 | 0 | N | Area of Future Condition, Potential, Tertiary Completed | Item 3.2 |
| Q421A | 31 | 6 | 0 | n | Area of Future Condition, Potential, Tertiary Completed Area of Future Condition, Potential, Tertiary Completed | Item 3.2.1 Item 3.2.2 |
| Q422A | H | 6 | 0 | n N | Area of Future Condition, Potential, Tertiary Completed | Item 3.3 |
| Q43A Q44A | N N | 6 | 0 | N | Area of Future Condition, Potential, Tertiary Completed | Item 3.4 |
| Q441A | n | 6 | o | N | Area of Future Condition, Potential, Textiary Completed | Item 3.4.1 |
| Q442A | N | 6 | 0 | N | Area of Future Condition, Potential, Tertiary Completed | Item 3.4.2 |
| Q41B | N | 6 | 0 | 11 | Area of Future Condition, Potential, Tertiary not Completed | Item 3.1 |
| Q42B | N | 6 | 0 | N | Area of Future Condition, Potential, Tertiary not Completed Area of Future Condition, Potential, Tertiary not Completed | Item 3.2 Item 3.2.1 |
| Q421B Q422B | n N | · 6 · 6 | 0 | N · | Area of Future Condition, Potential, Tertiary not Completed | Item 3.2.2 |
| Q43B | N | 6 | 0 | N | Area of Future Condition, Potential, Tertiary not Completed | Item 3.3 |
| Q44B | N | 6. | o | И | Area of Future Condition, Potential, Tertiary not Completed | Item 3.4 |
| Q441B | n | 5 | 0 | n | Area of Future Condition, Potential, Textiary not Completed | Item 3.4.1 |
| Q442B | N | · 6 | 0 1 | N | Area of Future Condition, Potential, Tertiary not Completed | Item 3.4.2 |
| Q41C | N | δ | 0 | N | Area of Future Condition, Potential | Item 3.1 Item 3.2 |
| Q42C | - N | 6 | 0 | n N | Area of Future Condition, Potential Area of Future Condition, Potential | Item 3.2.1 |
| Q421C | n N | 6 · | 0 | 11 | Area of Puture Condition, Potential | Item 3.2.2 |
| Q422C Q43C | 17 | 6 | 0 | n | Area of Puture Condition, Potential | Item 3.3 |
| Q44C | N | 6 | ō | N | Area of Future Condition, Potential | Item 3.4 |
| Q441C | 13 | 6 | 0 | Ħ | Area of Future Condition, Potential | Item 3.4.1 |
| Q442C | N | · 6: | .0 | N | Area of Future Condition, Potential | Item 3.4.2 |
| Q4.1D | n | δ | 0 | N | Area of Future Condition, Area not potential | Item 3.1 Item 3.2 |
| Q42D | er N | 6 | 0 | N | Area of Future Condition, Area not potential Area of Future Condition, Area not potential | Item 3.3 |
| Q43D Q45 | n | 6 6 | 0 | N N | Area of Puture Condition, Potential Area | |
| Q45 Q46 | 17 | 6 | Ö | 31 | Area of Puture Condition, Not Yet Potential Area | * . |
| Q47 | N | 6 | ō | N | Area of Future Condition, Designed Area | 2 |
| Q481 | Ħ | 6 | 0 | N | Area of Future Condition, Paddy Cultivation, let season | |
| Q482 | 21 | 6 | 0 | n | Area of Future Condition, Paddy Cultivation, 2nd season | |
| Q483 | N | . 6 | 0 | N | Area of Future Condition, Paddy Cultivation, 3rd season | Mark 'x' if it exists |
| Q5A1 Q5A2 | N C | .3 | 0 | n n | Head Works, Dam Head Works, Dam | Numbers |
| Q5B1 | C | 1 | o | 11 | Head Works, Movable Weir | Mark 'x' if it exists |
| Q5B2 | 27 | 3 | ō | 11 | Head Works, Movable Weir | Numbers |
| Q5C1 | C | 1 | 0 | 14 | Head Works, Fixed Weir | Mark 'x' if it exists |
| Q5C2 | 31 | 3 | 0 | 17 | Head Works, Fixed Weir | numbers |
| Q5D1 | C | ı | 0 | Ħ | Head Works, Pump | Mark 'x' if it exists |
| Q592 | N | 3 | 0 | N | Head Works, Prop Head Works, Prop Intake | Mark 'x' if it exists |
| Q5B1 Q5B2 | C N | 1 3 | 0 | N N | Head Works, Free Intake | Numbers |
| Q5F1 | c | 1 | ŏ | N | Head Works, Others | Mark 'x' if it exists |
| Q5F2 | Ċ | 15 | 0 | 11 | Head Works, Others | |
| Q613A | H | 6 | 2 | N | Carals Already Completed, Main Canals | |
| Q612A | 33 | 6 | 2 | H | Canals Already Completed, Secondary Canals | |
| Q613A | Ħ | 7 | 2 | N | Canals Already Completed, Tertiary Canals Canals Already Completed, Drainage Canals | • |
| Q62A Q63A | H H | 6 6 | 2 0 | n H | Canals Already Completed, Land development | 4 |
| Q611B | n | 6. | 2 | 27 | Canals to be constructed, Main Canals | |
| Q612B | N | 6 | 2 | N | Canals to be constructed, Secondary Canals | |
| Q613B | н | 7 | 2 | N | Canals to be constructed, Tertiary Canals | |
| Q62B | H | 6 | 2 | , N | Canals to be constructed, Drainage Canals | • |
| Q63B | H | 6 | 0 | H | Canals to be constructed, Land Development | · |
| Q611C | N N | 6 6 | 2 | n | Canals to be rehabilitated, Main Canals Canals to be rehabilitated, Secondary Canals | |
| Q613C | n N | 7 | 2 | И | Canals to be rehabilitated, Tertiary Canals | |
| Q62C | 11 | 6 | 2 | H | Canals to be rehabilitated, Drainage Canals | |
| Q63C | N | 6 | ō | H | Canals to be rehabilitated, Land Development | |
| Q71A | 31 | 9 | 2 | Ħ | Construction Cost, Headworks | |
| Q72A | 37 | 9 | 2 | N | Construction Cost, Main Canals | |
| Q73A | N | 3 | 2 | Ŋ | Construction Cost, Secondary Canals | |
| Q74A | H | 9 | 2 2 | n N | Construction Cost, Tertiary Canals Construction Cost, Drainage Canals | |
| Q75A Q76A | N E | 9 | 2 | N | Construction Cost, Land Development | |
| Q77A | 11 | 9 | 2 | ii | Construction Cost, Others | • |
| Q78A | и | . 9 | 2 | N | Construction Cost, Total Cost | |
| Q71B | 11 | 9 | 2 | 11 | SM & EOM Cost, Headworks | |
| Q72B | 13 | 9 | 2 | N | SM & EOM Cost, Main Canals | |
| Q73B | N | 9 | 2 | N | SM & EOM Cost, Secondary Canals SM & EOM Cost, Tertiary Canals | |
| Q74B | e N | 9 | 2 2 | n H | SM & EOM Cost, Terriary Canals | |
| Q75B Q76B | N N | 9 | 2 | И | EM & EOM Cost, Land Development | |
| Q76B Q77B | n | 9 | 2 | n | SM & EOM Cost, Others | |
| Q78B | ท | 9 | 2 | N | SM & EOM Cost, Total Cost | |
| Q71C | 2.7 | 9 | 2 | N | Rehabilitation Cost, Head Works | |
| Q72C | 11 | 9 | 2 | H | Rehabilitation Cost, Main Canals | |
| Q73C | И | 9 | 2 | N | Rehabilitation Coat, Secondary Canals | |
| Q74C | Ħ | 9 | 2 | H | Rehabilitation Cost, Tertiary Canals Rehabilitation Cost, Drainage Canals | |
| Q75C | N | 9 | 2 2 | . H | Rehabilitation Cost, Drainage Canals Rehabilitation Cost, Land Development | |
| Q76C Q77C | n | 9 | 2 | H | Rehabilitation Cost, Othere | |
| | | | | | | |
| Q78C | N | 9 | 2 | 11 | Rehabilitation Cost, Total | Mark 'x' if no |

Structure of Database Files (Page 4 of 7)

Name of Database File : SAWA2.DBF

| | Field | Field | Field | Field | Field | Description of Field | |
|----|-------|-------|--------|--------|-------|----------------------------------|------------------------|
| | Name | Туро | Length | Decial | Index | | · |
| 90 | QBB | C | 1 | 0 | N | Environment, Question | Mark 'x' if yes |
| 91 | Q8C | C | 1 | 0 | N | Environment, River water quality | Mark 'x' if applicable |
| 92 | QBD | C | 1 | 0 | N | Environment, Deforestration | Mark 'x' if applicable |
| 93 | Q8E | C | 1 | 0 | N | Environment, Brosion | Mark 'x' if applicable |
| 94 | Q6F | C | 1 | 0 | 13 | Environment, Sedimentation | Mark 'x' if applicable |
| 95 | Q9G | C | 1 | 0 | N | Environment, Quarrrying | Mark 'x' if applicable |
| 96 | QBH | C | 1 | 0 | 11 | Environment, Schistosomiasis | Mark 'x' if applicable |
| 97 | Ω91 | С | 1 | 0 | N | Environment, Malaria | Mark 'x' if applicable |

Structure of Database Files (Page 5 of 7)

Name of Database File : RAWA.DBF (1/2)

| | Field Name | Field Type | Field Length | Field Decial | Field Index | Description of Field | |
|---|------------------|---------------|-----------------|-----------------|----------------|---|--|
| | ID_NO | C LYDS | 11 | 0 | Y | Identification Number of scheme | ····· |
| | NAME | C | 30 | 0 | Y | Name of scheme | |
| | R_IN | C | 1. | 0 | 19 | Region Code | |
| | 5 NO | C | 2 | 0 | li . | Province Code | |
| | Q11A Q11B | c | 2 20 | 0 | n | Province Code Province Name | |
| | Q121A | č | 4 | Ö | 11 | Kabupaten Code | |
| | Q1213 | C | 20 | 0 | N | Kabupaten Name | |
| | Q131A | C | 6 | 0 | N | Kecamatan Code 1 | |
| | Q131B | c | 20 | 0 | 53 | Kecamatan Name 1 | |
| | Q132A | C C | 6 20 | 0 | n N | Kecamatan Code 2 | |
| | Q132B Q133A | Č | 6 | 0 | N | Kecamatan Namo 2 Kecamatan Code 3 | |
| | Q133B | Ċ | 20 | ŏ | N | Kecamatan Name 3 | |
| | Q134A | ,C | 6 | 0 | Ħ | Kecamatan Code 4 | |
| | Q134B | . C | 20 | 0 | n | Kecamatan Name 4 | |
| | Q135A | c c | 5 20 | 0 | N N | Kecamatan Code 5 | |
| | Q135B . Q136A | Ċ. | 20 6 | 0 | n | Kecamatan Name 5 Kecamatan Code 6 | |
| | Q136B | č | 20 | ŏ | N | Kecamatan Name 6 | |
| | Q137A | . c | 6 | 0 | N | Kecamatan Code 7 | |
| | Q137B | C | 20 | 0 | N | Kecamatan Nama 7 | |
| | O1389 | C | 6 | 0 | N | Kecamatan Code 8 | |
| | Q139B | c | 20 | 0 | n | Kecamatan Name 8 | Mark 'x' if applicabl |
| | Q14A Q14B | C C | 1 | 0 | N N | Type of Swamp, Tidal Type of Swamp, Mon-Tidal | Mark 'x' if applicabl |
| | Q21A | c | ì | 0 | N | Current O/M | Mark 'x' if applicabl |
| | Ø31B | č | ī | ō | И | On-going, Rehabilitation | Mark 'x' if applicabl |
| | Q21C | c | 1 | 0 | Ŋ | On-Going, Construction | Mark 'x' if applicabl |
| | Q21D | C | 1 | 0 | N | Proposed, Rehabilitation | Mark 'x' if applicabl |
| | Q21E | c | 1 | 0 | N | Proposed, Construction | Mark 'x' if applicabl |
| | Q221A | c c | 1 1 | 0 | n | Current O/M, History Current O/M Current O/M, History Current O/M | Mark 'x' if applicabl |
| | Q2210 | č | 1 | ŏ | 11 | Current O/M, History Current O/M | Mark 'x' if applicabl |
| • | Q221D | Ċ | ī | Ö | Ħ | Current O/M, History Current O/M | Mark 'x' if applicabl |
| | Q221E | C | 1 | 0 | И | Current O/M, History Current O/M | Mark 'x' if applicabl |
| | Q221F | C | 1 | 0 | 11 | Current O/M, History Current O/M | Mark 'x' if applicabl |
| | Q221G | C | 1 | 0. | 11 | Current O/M, Ristory Current O/M | Mark 'x' if applicabl |
| | Q221H | c c | 1 | 0 | n N | Current O/M, History Current O/M Current O/M, History Current O/M | Mark 'x' if no Mark 'x' if yes |
| | Q221I Q222A | c | 1 | 0 | n . | Current O/M, Need of Rehabilitation | Mark 'x' if yes |
| | Q222B | č | 1 | ŏ | N | Current O/M, Need of Rehabilitation | Mark 'x' if no |
| | Q223 | N | 6 | 0 | N | Current O/M, Number of Farming Household | |
| | Q231A1 | C | l | 0 | N | On Going Rehabilitation, History | Mark 'x' if applicabl |
| | Q231A2 | c | 2 | 0 | N | On Going Rehabilitation, History | 25-26-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1- |
| | Q231B1 Q231B2 | c c | 1 2 | 0 | n | On Going Rehabilitation, History On Going Rehabilitation, History | Mark 'x' if applicabl |
| | Q231C1 | Ċ | 1 | ō | N | On Going Rehabilitation, History | Mark 'x' if applicabl |
| | Q231C2 | č | 2 | ō | N | On Going Rehabilitation, History | |
| | Q231D1 | C | 1 | 0 | N | On Going Rehabilitation, History | Mark 'x' if applicabl |
| | Q231D2 | c | 2 | 0 | И | On Going Rehabilitation, History | |
| | Q231E1 | C | 1 | 0 | N | On Going Rehabilitation, History | Mark 'x' if applicabl |
| | Q231B2 Q231F1 | c c | 2 1 | 0 | 1) 1) | On Going Rehabilitation, History On Going Rehabilitation, History | Mark 'x' if applicabl |
| | Q231F2 | c | 2 | 0 | N | On Going Rehabilitation, History | imin a li applicabi |
| | Q232 | N | 6 | ō | N | On Going Rehabilitation, Nos. of Farming Household | |
| | Q24.LA1 | C | 1 | 0 | N | On Going Construction, History | Mark 'x' if applicabl |
| | Q241A2 | C | 2 | 0 | N | On Going Construction, History | |
| | Q241A3 | C | 2 | 0 | N | On Going Construction, History | ability and the last an |
| | Q241B1 | e e | 1 2 | 0 | N | On Going Construction, History On Going Construction, History | Mark 'x' if applicabl |
| | Q241B2 Q241B3 | C | 2 | 0 | N N | On Going Construction, History | |
| | Q241C1 | c | ĭ | ŏ | n | On Going Construction, History | Mark 'x' if applicabl |
| | Q241C2 | C | 2 | 0 | N | On Going Construction, History | - |
| | Q241D1 | C | 1 | 0 | N | On Going Construction, History | Mark 'x' if applicabl |
| | Q241D2 | c | 2 | 0 | И | On Going Construction, History | |
| | Q242 | N C | 6 1 | 0 | n | On Going Construction, Nos. of Farming Household | Mark Ivi if annicati |
| | Q251A1 Q251A2 | C C | 2 | 0 | N | Proposed Rehabilitation, History Proposed Rehabilitation, History | Mark 'x' if applicabl |
| | Q251B1 | c | î | ō | 11 | Proposed Rehabilitation, History | Mark 'x' if applicabl |
| | Ω251B2 | C | 2 | 0 | N | Proposed Rehabilitation, History | |
| | Q251C1 | c | 1 | 0 | И | Proposed Rehabilitation, History | Mark 'x' if applicabl |
| | Q251C2 | C | 2 | 0 | H | Proposed Rehabilitation, History | Made tot 15 |
| | Q251D1 | c | 1 2 | 0 | n n | Proposed Rehabilitation, History Proposed Rehabilitation, History | Mark 'x' if applicabl |
| | Q251D2 Q251E1 | C C | 1 | 0 | 11 | Proposed Rehabilitation, History | Mark 'x' if applicable |
| | Q251E2 | č | 2 | ő | H | Proposed Rehabilitation, History | |
| | Q251F1 | c | 1 | 0 | N | Proposed Rehabilitation, History | Mark 'x' if applicabl |
| | Q251F2 | C | 2 | 0 | 11 | Proposed Rehabilitation, History | |
| | Q252 | N | 6 | 0 | 11 | Proposed Rehabilitation, Nos. of Farming Household | |
| | Q261A1 | C | 1 | 0 | 11 | Proposed Construction, History | Mark 'x' if applicable |
| | Q261B1 | C | 1 | 0 | II | Proposed Construction, History | Mark 'x' if applicabl |
| | Q261B2 | c c | 2 1 | 0 | n | Proposed Construction, History Proposed Construction, History | Mark 'x' if applicabl |
| | Q261C1 Q261C2 | C | 2 | 0 | 11 | Proposed Construction, History Proposed Construction, History | rain a it appricant |
| | Q261D1 | c | 1 | 0 | ri Ti | Proposed Construction, History | Mark 'x' if applicabl |
| | | | | | | Proposed Construction, History | •• |
| | Q261D2 | C | 2 | 0 | n | Tropozed Construction, Mistory | Mark 'x' if applicabl |

Structure of Database Files (Page 6 of 7)

Name of Database File: RAWA.DBF (2/2)

| <u> </u> | Field Name | Field Type | | Field Decial | | Description of Field | |
|------------|----------------|---------------|-----|-----------------|---------|--|------------------------|
| 90 | Q262 | N | б | 0 | N | Proposed Construction, Nos. of Farming Household | |
| 91 | Q31A | И | 6 | 0 | 3.1 | Area, Area functional, Agriculture | |
| 92 | Q311A | 14 | 6 | 0 | N | Area, Area functional, Paddy Field | • |
| 93 | Q312A | N | 6 | 0 | И | Area, Area functional, Upland Field | |
| 94 | Q313A | N | 6 | 0 | 11 | Area, Area functional, Garden | |
| 95 | Q32A | N | 6 | 0 | N | Area, Area functional, Fish Pond | |
| 96 | AEEQ | М | 6 | 0 | 31 | Area, Area functional, Others | |
| 97 | Q34A | n | 6 | 0 | N | Area, Area functional, Total | |
| 98 | Q31B | N | 6 | .0 | N | Area, Area not yet functional, Agriculture | |
| 99 | Q311B | N | € . | 0 | N | Area, Area not yet functional, Paddy Field | |
| 100 101 | Q312B | N | 6 | 0 | n N | Area, Area not yet functional, Upland Field Area, Area not yet functional, Garden | |
| | Q313B | N | 6 | 0 | N 14 | Area, Area not yet functional, Caroen Area, Area not yet functional, Fish Pond | |
| 102 103 | Q32B Q33B | N N | 6 | 0 | N N | Area, Area not yet functional, Others | |
| 104 | Q34B | N | 6 | 0 | N | Area, Area not yet functional, Total | • |
| 105 | Ø31C | N | 6 | 0 | N | Area, Total, Agriculture | |
| 105 | Q311C | N | 6 | 0 | N | Area, Total, Paddy Field | |
| 107 | 0315G | n | 6 | Ô | n | Area, Total, Upland Field | |
| 108 | Q313C | N | 6 | 0 | N | Area, Total, Garden | |
| 109 | Q32C | N | 6 | 0 | N | Area, Total, Fish Pond. | |
| 110 | Q33C | N | 6 | 0 | И | Area, Total, Others | |
| 111 | Q34C | N | 6 | 0 | 11 | Area, Total | |
| 112 | Q411A | N | 6 | 2 | N | Drainage Canale, Completed, main Canals | |
| 113 | Q412A | N | 6 | 2 | N | Drainage Canals, Completed, Secondary Canals | |
| 14 | Q413A | N | 7 | 2 | 13 | Drainage Canals, Completed, Tertiary Canals | |
| 115 | Q411B | N | 6 | 2 | N | Drainage Canals, to be constructed, Main Canals | |
| 116 | Q412B | 17 | 6 | 2 | 11 | Drainage Canals, to be constructed, Secondary Canals | |
| 117 | Q413B | N | 7 | 2 | N | Drainage Canals, to be constructed, Tertiary Canals | |
| 118 | Q411C | N | 6 | 2 | 11 | Drainage Canals, to be rehabilitated, Main Canals | |
| 119 | Q412C | 17 | 6 | 2 | 11 | Orainage Canals, to be rehabilitated, Secondary Canals | |
| L20 | Q413C | N | 7 | 2 | N | Drainage Canals, to be rehabilitated, Tertiary Canals | |
| 151 | Q51A | M | 9 | 2 | n | Cost, Construction, Gate | |
| 122 | Q52A | 11 | 9 | 2 | 11 | Cost, Construction, Main Canals | |
| 123 | Q53A | N | 9 | 2 | 34 | Cost, Construction, Secondary Canals | |
| 24 | Q54A | N | 9 | 2 | N | Cost, Construction, Textiary Canals | |
| L25 | Q55A | н | 9 | 2 | M | Cost, Construction, Others | |
| L26 | Q56A | N | 9 | 2 | N | Cost, Construction, Total | |
| 127 | Q51B | 31 | 9 | 2 | 11 | Cost, SM & ECM, Gate | |
| L28 | Q52B | N | 9 - | 2 | H | Cost, SM & ECM, Main Canale | |
| 53 | Q53B | Ħ | 9 | 2 | N | Cost, SM & EOM, Secondary Canals | |
| 130 | Q54B | 14 | 9 | 2 | 11 | Cost, SM & ECM, Tertiary Canals | |
| 31 | Q55B | N | 9 | 2 | N | Cost, SM & BOM, Others | |
| 32 | Q56B | N | 9 | 2 | Ħ | Cost, SM & POM, Total | |
| 33 | Q51C | n | 9 | 2 | Ħ | Cost, Rehabilitation, Gate | |
| 134 | Q52C | 11 | 9 | 2 | 11 | Cost, Rehabilitation, Main Canals | |
| 135 136 | Q53C | 11 | 9 | 2 | N | Cost, Rehabilitation, Secondary Canals Cost, Rehabilitation, Tertiary Canals | |
| 137 | Q54C Q55C | n H | 9 | 2 2 | N | Cost, Rehabilitation, Others | |
| 138 | Q55C Q56C | N | 9 | . 2 | Ħ | Cost, Rehabilitation, Total | |
| | - | C | | | N | Environment, Question | Mark 'x' if no |
| L39 L40 | Q6A Q6B | c | 1 | 0 | N | Environment, Question | Mark 'x' if yes |
| 41 | Oeg Oeg | c | 1 | 0 | 11 | Environment, River water quality | Mark 'x' if applicable |
| 42 | Q6D | C | 1 | 0 | H H | Environment, Deforestration | Mark 'x' if applicable |
| 43 | Q6E | c | 1 | 0 | H | Environment, Erosion | Mark 'x' if applicable |
| 44 | Q6F | c | 1 | 0 | n | Environment, Sedimentation | Mark 'x' if applicable |
| 45 | Q6G | c | 1 | 0 | H | Environment, Quarraying | Mark 'x' if applicable |
| 146 | . ÖeH ∴ ÖeG | c | 1 | 0 | N | Environment, Schistosomiasis | Mark 'x' if applicable |
| 147 | Q6I | c | 1 | 0 | N | Environment, Malaria | Mark 'x' if applicable |

Structure of Database Files (Page 7 of 7)

Name of Database File : GW.DBF

| | Field Name | Field Type | | Field Decial | | Description of Field | | · · · · · · · · · · · · · · · · · · · |
|----------|------------------|---------------|---------|-----------------|--------|--|-------------------------|---|
| i | ID NO | C | 11 | 0 | Y | Identification Number of scheme | | |
| 2 . | HAME | c | 30 | 0 | Y | Mame of scheme | | 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - |
| , | R NO | C | ì | 0 | M | Region Code | | |
| | P_100 | С | 2 | 0 | 14 | Province Code | | |
| | QllA | C | 2 | 0 | N | Province Code | | - |
| | QllB | C | 20 | 0 | N | Province Name | | |
| • | Q121A | C | 4 | 0 | 11 | Kabupaten Code | | |
| 3 | Q121B | C | 20 | 0 | 11 | Kabupaten Hame | | |
| • | Q131A | . c | 6 | 0 | И | Kecamatan Code 1 | | |
| LO | Q131B | c | 20 | 0 | H | Kecamatan Nama 1 | | |
| Ll | Q132A | C | 6 | 0 | 11 | Kecamatan Code 2 | | |
| 12 | Q132B | c | 20 | O | N | Kecamatan Name 2 | | |
| 3 | Q133A | C | 6 | 0 | 11 | Kecamatan Code 3 Kecamatan Name 3 | | |
| 4 | Q133B | C | 20 | 0 | N | Kecamatan Code 4 | | |
| 15 | Q134A | C C | 6 20 | 0 | 11 | Kecamatan Hame 4 | | |
| 16 | Q134B | | | | Ŋ | Kecamatan Code 5 | | |
| 17 | Q135A | C | 6 20 | 0 | 13 | Kecamatan Name 5 | | |
| 18 19 | Q135B | C C | 20 6 | 0 | 11 | Kecamatan Code 6 | | |
| 50 FA | Q136A Q136B | c | 20 | 0 | N | Kecamatan Name 6 | | |
| 20 21 | Q137A | c | 6 | 0 | 11 | Kecamatan Code 7 | • | |
| 21 22 | Q137A Q137B | c | 20 | 0 | N | Kecamatan Name 7 | | |
| 23 | Q137B | č | 6 | ŏ | n | Kecamatan Code 8 | | |
| 24 | Q138B | č | 20 | Ö | 17 | Kecamatan Name 8 | • | |
| 25 | Q21A | č | 1 | ō | N | On-Going, Construction | Mark 'x' if applicable | |
| 26 | Q21B | č | ī | ŏ | 31 | Proposed, Construction | Mark 'x' if applicable | |
| 27 | Q221A1 | č | 1 | 0 | 27 | On Going Rehabilitation, History | Mark 'x' if applicable | |
| 28 | Q221A2 | C | 2 | 0 | Ŋ | On Going Rehabilitation, History | | |
| 29 | Q221B1 | C | 1 | 0 | 31 | On Going Rehabilitation, History | Mark 'x' if applicable | |
| 30 | Q221B2 | C | 2 | 0 | 11 | On Going Rehabilitation, History | | |
| 31 | Q221C1 | C | 1 | O. | 14 | On Going Rehabilitation, History | Mark 'x' if applicable | |
| 32 | Q221C2 | C | 2 | 0 | 17 | On Going Rehabilitation, History | | |
| 33 | Q221D1 | C | 1 | 0 | N | On Going Rehabilitation, History | Mark 'x' if applicable | |
| 34 | Q331D2 | C | 2 | 0 | 31 | On Going Rehabilitation, History | • | |
| 35 | Q222 | C | 10 | 0 | 11 | On Going Rehabilitation, Lending Agency | | |
| 36 | Q231A1 | С | 1 | 0 | N | Proposed Construction, Ristory | Mark 'x' if applicable | |
| 37 | Q231B1 | С | 3. | 0 | Ħ | Proposed Construction, History | Mark 'x' if applicable | |
| 38 | Q231B2 | C | 2 | 0 | 11 | Proposed Construction, History | Mark 'x' if applicable | |
| 39 | Ø331C1 | Ċ | 1 | 0 | N | Proposed Construction, History | Mark . W. II applicable | |
| 40 | Q231C2 | c | 2 | 0 | N | Proposed Construction, History | Mark 'x' if applicable | |
| 41 | Q231D1 | c | 1 | 0 | n N | Proposed Construction, History Proposed Construction, History | Mark X II uppriouse | |
| 42 | Q231D2 | c | 2 | 0 0 | 11 | Proposed Construction, History | Mark 'x' if applicable | - |
| 43 | Q231E1 Q231E2 | c c | 1 2 | 0 | 11 | Proposed Construction, History | | |
| 44 45 | Q23182 Q232 | C | 2 10 | 0 | 11 | Proposed Construction, Instituty Proposed Construction, Lending Agency | • | |
| 45 46 | Q232 Q31A | n | 6 | 0 | n | Area, Present Condition, Irrigated Paddy Field | | |
| 47 | Q32A | n | 6 | ŏ | N | Area, Present Condition, Rainfed Paddy Field | | |
| 48 | Q33A | 11 | 6 | ŏ | 11 | Area, Present Condition, Upland Field | | |
| 49 | Q34A | 11 | . 6 | ő | 11 | Area, Present Condition, Others | | |
| 50 | Q35A | N | 6 | Q | N | Area, Present Condition, Total | | |
| 51 | Q31B | n | 6 | ò | 11 | Area, Plan, Irrigated Paddy Field | • | |
| 52 | Q32B | 17 | 6 | 0 | 17 | Area, Plan, Rainfed Paddy Field | | |
| 53 | Q33B | H | 6 | 0 | N | Area, Plan, Upland Field | | |
| 54 | Q34B | 11 | 6 | 0 | 33 | Area, Plan, Others | | |
| 55 | Q35B | N | 6 | 0 | N | Area, Plan, Total | | |
| 56 | Q41A | 13 | 6 | 0 | Ħ | Well, Number, Shallow | | |
| 57 | Q42A | 31 | 6 | 0 | 11 | Well, Number, Deep | | |
| 9 | Q41B | N | 6 | 2 | 17 | Well, Depth, Shallow | | |
| 59 | Q42B | 11 | 6 | 2 | 11 | Well, Depth, Deep | | |
| 60 | Q511 | 11 | 9 | 2 | 17 | Coet, Shallow Well | | |
| 61 | Q512 | 33 | 9 | 2 | 14 | Cost, Deep Well | | |
| 62 | Q52 | 11 | 9 | 2 | 11 | Cost, Canals | | |
| 63 | Q53 | 11 | 9 | 2 | 17 | Cost, Total | | |

Name of Database File : INFO.DBF

| -1 2 1 | | | | | |
|-----------------|---|-------------|----------------------|-------|--|
| Field | Field | Field | Field | Field | Description of Field |
| Name | Туре | Length | Decial | Index | |
| LITEMANS | C | 8 | | Ŋ | Database File Name |
| HAME | C | 15 | | 11 | Type of Irrigation Scheme |
| DAIRI | D | 8 | | N | Date of Installation |
| DATE2 | Ð | 8 | | 31 | Date of Update |
| DATES | D | В | | 11 | Date of backup |
| DISKNO | N | 2 | | n | Number of disk required for floppy disk |
| | Name FILENAME NAME DATE1 DATE2 DATE3 | Name Type | Name Type Length | Name | Name Type Length Decial Index FILENAME C 8 N NAME C 15 N DATES D 8 N DATES D 8 N DATES D 8 N DATES D 8 N |

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

THE STUDY

FOR

FORMULATION OF IRRIGATION DEVELOPMENT PROGRAM

Questionnaire for Inventory Survey (Irrigation Development)

| | Notes: | * | | | |
|-----|---------------------------------|-----------------|---|---|-----|
| | 1. Where the with " ✓". | question has | parenthesis, write the | e number or fill the appropriate spa | ces |
| | 2. On descrip | tive questions | s, answer either by s | pecifying or writing down briefly a | nd |
| | clearly. | 1 | , | | |
| | • | ul nointe if a | ni nlagga gaa tha ott | ached answer sample. | |
| | J. YOZ GOUDLI | ni pomis, ii ai | ny, piease see the att | ached answer sample. | |
| | Name of Project | • | | | |
| | | | , | · · · · · · · · · · · · · · · · · · · | |
| | Name of Respon | isidie Office: | | | - |
| | Filled by: | • | | | |
| | | | | | |
| _ | | | | | |
| 1. | LOCATION | : | • | | |
| 1.1 | Province: | | Code Q11A | Q11B | |
| 1.2 | Kabupaten: | | Code Q12A | Q12B | |
| 1.3 | Kecamatan: | 1. | Code O131A | Name Q131B | |
| | | 2. | Code Q132A | Name Q132B | |
| | | 3. | Code Q133A | Name Q133B | |
| | | 4. | Code O134A | Name Q134B | |
| | | 5. 6. | Code Q135A Code Q136A | Name Q135B Name Q136B | |
| | | 7. | Code Q137A | Name Q137B | |
| | | 8. | Code Q138A | Name Q138B | |
| 1.4 | I.D Number fo (Existing Sub- | | • . | Q14 | |
| 2. | STATUS OF S | СНЕМЕ | | | |
| 2.1 | Select Present | Status of Sub- | -project (not limited | to one answer): | |
| | (Q21A) Non-r | rogram | | (Answer question No. 2.2) | |
| | (Q21B) On-go | ing/Rehabilit | ation | (Answer question No. 2.3) | |
| | (Q21C) On-go | oing/Construc | tion or Extension | (Answer question No. 2.4) | |
| | (Q21D) Propo | sed/Rehabilit | ation | (Answer question No. 2.5) | |
| | (Q21E) Propo | sed/Construct | ion or Extension | (Answer question No. $\overline{2.6}$) | |

2.2 Non-program: 2.2.1 History Year construction was completed (Q221A) before 1950 (Q221B) 1951 - 1960 (Q221C) 1961 - 1970 (**Q221D**) 1971 - 1980 (Q221E) 1981 - 1985 (Q221F) 1986 - 1990 (Q221G) 1991 -After construcion, was any rehabilitation conducted? (Q221H) No (Q221I) Yes 2.2.2 Level of Irrigation (O222A) Technical (O222B) Semi-Technical (Q222C) Simple 2.3 On-going/Rehabilitation: 2.3.1 History (Q231A1) Construction was completed in 19 Q231A2 (Q231B1) Last rehabilitation, if any, was made in 19 Q231B2. (Q231C1) F/S for rehabilitation was conducted in 19 Q231C2 (Q231D1) D/D for rehabilitation was conducted in 19 Q231D2. (Q231E1) Rehabilitation was commenced in 19 Q231E2. (Q231F1) Rehabilitation was suspended in 19 Q231F2. 2.3.2 Kind of Rehabilitation (Q232A) Special Maintenance (SM) (Q232B) Efficient O/M (EOM) (O232C) Rehabilitation/Upgrading 2.3.3 Level of Irrigation Present Condition (Q233A) Technical (Q233B) Semi-Technical (Q233C) Simple **O234** 2.3.4 Lending Agency: 2.4 On-going/Construction or Extension: History 2.4.1 (Q241A1) F/S for construction was conducted in 19 Q241A2. (Q241B1) D/D for construction was conducted in 19 Q241B2. (Q241C1) Construction was commenced in 19 Q241C2. (Q241D1) Construction was suspended in 19 Q241D2. 0242 2.4.2 Lending Agency:

2.5 Proposed/Rehabilitation: 2.5.1 History and Schedule (Q251A1) Construction was completed in 19 Q251A2. (Q251B1) Last rehabilitation, if any, was made in 19 Q251B2. (Q251C1) F/S for rehabilitation was conducted in 19 Q251C2. (Q251D1) D/D for rehabilitation was conducted in 19 Q251D2. (Q251E1) Rehabilitation will be commenced in 19 Q251E2. (Q251F1) Rehabilitation will be completed in 19 Q251F2. 2.5.2 Kind of Rehabilitation (Q252A) Special Maintenance (SM) (Q252B) Efficient O/M (EOM) (Q252C) Rehabilitation/Upgrading 2.5.3 Level of Irrigation **Present Condition** (Q253A) Technical (Q253B) Semi-Technical (O253C) Simple 2.5.4 Lending Agency: **O254** 2.6 Proposed/Construction or Extension: 2.6.1 History (O261A1) No investigation was made so far. (Q261B1) F/S for construction was conducted in 19 Q261B2. (Q261C1) D/D for construction was conducted in 19 Q261C2. (Q261D1) Construction will be commenced in 19 Q261D2. (Q261E1) Construction will be completed in 19 Q261E2. 2.6.2 Lending Agency: Q262 2.6.3 Is Area Affected by Floods?: (Q263A) No floods: (O263B) Annual floods (Q263C) Floods in every several years Accessibility to Intake Site 2.6.4 (Q264A) By car (Q264B) On foot

3. AREA (Present Condition)

| | | Potent | tial Area | | Area not yet potential |
|-------|---|---|--|-----------------------------|------------------------|
| | Description | Area where Tertiary block is completed | Area where Tertiary block is not yet completed | Total | potential |
| 3.1 | Total | (1)=(2)+(5)+(6) | Q31B ha (9)=(10)+(13)+(14 | <u>Q31C</u> 17)=(18)+(21 | |
| 3.2 | Paddy Field | Q32A ha (2)=(3)+(4) | <u>Q32B ha</u> (10)=(11)+(12) | <u>Q32C</u> (18)=(18)+(| |
| 3.2.1 | Irrigated Paddy | Q321A ha | Q321B ha | Q321C (19) | <u>ha</u> |
| 3.2.2 | Paddy field not yet irrigated | Q322A ha (4) | Q322B ha (12) | Q322C (20) | <u>ha</u> |
| 3.3 | Non-Paddy Field (Changeable to paddy field) | Q33A ha (5) | Q33B ha (13) | Q33C (21) | ha Q33D h (27) |
| 3.4 | Non-paddy field (Unchangeable to paddy field) | Q34A ha (6)=(7)+(8) | <u>Q34B ha</u> (14)=(15)+(16) | <u>Q34C</u> (22)=(23)+ | |
| 3.4.1 | Area Converted from Paddy Field | O341A ha (7) | Q341B ha (15) | Q341C (23) | <u>ha</u> |
| 3.4.2 | Area Converted from Non-Paddy Field | Q342A ha (8) | Q342B ha (16) | Q342C (24) | ha |
| 3.5 | Potential Area | Q35 ha (28)=(17) | | | |
| 3.6 | Not Yet Potential Area | Q36 ha (29)=(25) | | | |
| 3.7 | Designed Area | O37 ha (30)=(28)+(29) | | | |
| 3.8 | Paddy Cultivation Area | (Present Condi | tion) | | |
| 3.8.1 | 1st Season | Q381 ha | | | |
| 3.8.2 | 2nd Season | Q382 ha | | | |
| 3.8.3 | 3rd Season | Q383 ha | | | |

3.9 If designed area has not fully been developed, select reason. (not limited to one answer) (Q39A) Delay of land development (Land clearing and / or sawah formation) (Q39B) Delay of tertiary canal construction
Delay / suspension of construction ofhead works, main canal and secondary (Q39C) canals (Q39D) Topographic problem (elevation and / or land slope) (Q39E) (Q39F) Problem on land acquisition and / or land tenure Change of land utilization (Q39G) Shortage of irrigation water at intake site (Q39H) Damage of irrigation canals and its related structures

Shortage of population (Necessity of new settlement)

Q39K ha

Farmers' preference for cultivating diversified crops

Still Expandable Area

(Q391) (Q39J)

(In case of Non-Program Sub-project, You can finish answering questions)

4. AREA (After Project)

| | | Potential Area | | A | Area not yet potential | |
|------------|---|---|--|------------------------------------|--------------------------------|--|
| | Description | Area where Tertiary block is completed | Area where Tertiary block is not yet completed | Total | Otomui | |
| 4.1 | Total | <u>Q41A ha</u> (1)=(2)+(5)+(6) | | <u>Q41C ha</u> 17)=(18)+(21)+(2 | O41D ha 2) (25)=(26)+(27 | |
| 4.2 | Paddy Field | <u>Q42A ha</u> (2)=(3)+(4) | <u>Q42B ha</u> (10)=(11)+(12) | Q42C ha (18)=(18)+(19) | <u>Q42D ha</u> (26) | |
| 4.2.1 | Irrigated Paddy | Q421A ha (3) | Q421B ha (11) | Q421C ha | | |
| 4.2.2 | Paddy field not yet irrigated | <u>Q422A ha</u> (4) | Q422B ha (12) | Q422C ha (20) | | |
| 4.3 | Non-Paddy Field (Changeable to paddy field) | <u>Q43A ha</u> (5) | Q43B ha (13) | <u>Q43C ha</u> (21) | Q43D ha | |
| 4.4 | Non-paddy field (Unchangeable to paddy field) | Q44A ha (6)=(7)+(8) | Q44B ha (14)=(15)+(16) | Q44C ha (22)=(23)+(24) | | |
| A 4.4.1 | Area Converted from Paddy Field | Q441A ha (7) | Q441B ha (15) | Q441C ha (23) | | |
| 4.4.2 | Area Converted from Non-Paddy Field | Q442A ha (8) | Q442B ha (16) | Q442C ha (24) | | |
| 4.5 | Potential Area | Q45 ha (28)=(17) | | | | |
| 4.6 | Not Yet Potential Area | Q46 ha (29)=(25) | | | : | |
| 4.7 | Designed Area | Q47 ha (30)=(28)+(29) | | | | |
| 4.8 | Paddy Cultivation Area | (After project) | | | | |
| 4.8.1 | 1st Season | Q481 ha | | | | |
| 4.8.2 | 2nd Season | Q482 ha | | | | |
| 4.8.3 | 3rd Season | Q483 ha | | | | |

5. HEAD WORKS

| (Q5A1) Dam | Q5A2 Nos. |
|---------------------|-----------|
| (Q5B1) Movable Weir | Q5B2 Nos. |
| (Q5C1) Fixed Weir | Q5C2 Nos. |
| (Q5D1) Pump | Q5D2 Nos. |
| (Q5E1) Free Intake | Q5E2 Nos. |
| (O5F1) Others | O5F2 |

6. IRRIGATION & DRAINAGE CANALS

| | Description | Already completed | to be constructed | to be rehabilitated |
|-------|----------------------|-------------------|-------------------|------------------------|
| 6.1 | Irrigation Canals | | | |
| 6.1.1 | Main canals | <u>Q611A km</u> | Q611B km | Q611C km |
| 6.1.2 | Secondary Canals | Q612A km | Q612B km | Q612C km |
| 6.1.3 | Tertiary Canals | Q613A km | Q613B km | Q613 C km |
| 6.2 | Drainage Canals | Q62A km | Q62B km | Q62C km |
| 6.3 | Land Development | Q63A ha | Q63B ha | Q63C ha |
| | | | | |

7. CONSTRUCTION/REHABILITATION COST

| *********** | Description | Construction Cost | SM & EOM Cost | Unit: Million Rp. Rehabilitation/ Upgrading Cost |
|-------------|---------------------|----------------------|------------------|--|
| 7.1 | Headworks | Q71A | Q71B | <u>Q71C</u> |
| 7.2 | Main canals | Q72A | Q72B | Q72C |
| 7.3 | Secondary Canals | Q73A | Q73B | <u>Q73C</u> |
| 7.4 | Tertiary Canals | Q74A | Q74B | Q74C |
| 7.5 | Drainage Canals | Q75A | Q75B | Q75C |
| 7.6 | Land Development | Q76A | Q76B | Q76C |
| 7.7 | Others | Q77A | Q77B | Q77C |
| 7.8 | Total Cost | Q78A | Q78B | <u>Q78C</u> |

ENVIRONMENTAL ISSUES 8.

Is there environmental problem in the sub-project?

(Q8A) No If Yes, answer following questions (not limited to one answer) (Q8B) Yes

What are Problems in the project area?

(Q8C) River Water Quality
(Q8D) Deforestation in the Catchment Area
(Q8E) Soil Erosion in the Catchment Area:
(Q8F) Sedimentation in Intake and Canals:

(Q8G) Quarrying in the river near the intake

(Q8H) Existence of Schistosomiasis in the Area:

(Q8I) Existence of Malaria in the Area:

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

THE STUDY

FOR

FORMULATION OF IRRIGATION DEVELOPMENT PROGRAM

Questionnaire for Inventory Survey (Swamp Development)

| | Notes: | | | | | | |
|-----|---|--|---|---|--|--|--|
| | 1. Where the question with " ✓ ". | n has p | parenthesis, write th | e number or fill the appropriate spaces | | | |
| | 2. On descriptive que | On descriptive questions, answer either by specifying or writing down briefl | | | | | |
| | clearly. | | • | | | | |
| | * | s, if an | y, please see the att | ached answer sample. | | | |
| | | - | | | | | |
| | Name of Project: | | · | | | | |
| | Name of Responsible O | ffice: | | | | | |
| | Filled by: | | · · · · · · · · · · · · · · · · · · · | | | | |
| | | | | | | | |
| 1. | LOCATION | | | | | | |
| 1.1 | Province: | | Code Q11A | Q11B | | | |
| 1.2 | Kabupaten: | | Code Q12A | Q12B | | | |
| 1.3 | Kecamatan: | 1. | Code Q131A | Name Q131B | | | |
| | | 2. | Code Q132A | Name Q132B | | | |
| | | 3. 4. | Code Q133A Code Q134A | Name Q133B Name Q134B | | | |
| | | 4 . 5. | Code Q134A Code Q135A | Name Q134B | | | |
| | | 6. | Code Q136A | Name Q136B | | | |
| | | 7. | Code Q137A Code Q138A | Name Q137B | | | |
| | | 8. | Code Q138A | Name Q138B | | | |
| 1.4 | Type of Rawa: (Q14A) Tidal (Q14B) Non-Tidal | | | | | | |
| 2. | STATUS OF SCHEM | E | | | | | |
| 2.1 | Select Present Status of Sub-project (not limited to one answer): | | | | | | |
| | (Q21A) Current O/M | | | (Answer question No. 2.2) | | | |
| | (Q21B) On-going/Ref | nabilita | tion | (Answer question No. 2.3) | | | |
| | (Q21C) On-going/Con | nstruct | ion or Extension | (Answer question No. 2,4) | | | |
| | (Q21D) Proposed/Rel | ıabilita | tion . | (Answer question No. 2.5) | | | |
| | (Q21E) Proposed/Con | istructi | (Answer question No. $\overline{2.6}$) | | | | |

2.

Current O/M: 2.2.1 History Year construction was completed (Q221A) before 1950 (**Q221B**) 1951 - 1960 (**Q221**C) 1961 - 1970 (**Q221D**) 1971 - 1980 (**Q221E**) 1981 - 1985 (Q221F) 1986 - 1990 (Q221G) 1991 -After construcion, was any rehabilitation conducted? (Q221H) No (**O2211**) Yes 2.2.2 Condition Need of Rehabilitation (Q222A) Yes (O222B) No O222C Nos. Number of Farming household On-going/Rehabilitation: 2.3 2.3.1 History (Q231A1) Construction was completed in 19 Q231A2. (O231B1) Last Rehabilitation, if any, was made in 19 Q231B2. (Q231C1) F/S for rehabilitation was conducted in 19 Q231C2. (Q231D1) D/D for rehabilitation was conducted in 19 Q231D2. (Q231E1) Rehabilitation was commenced in 19 Q231E2. (Q231F1) Rehabilitation was suspended in 19 Q231F2. 2.3.2 Number of Farming household **Q232** Nos. 2.4 On-going/Construction or Extension: 2.4.1 History (Q241A1) F/S for construction was conducted from 19 Q241A2 to 19 Q241A3. (Q241B1) D/D for construction was conducted from 19 Q241B2 to 19 Q241B3. (Q241C1) Construction was commenced in 19 Q241C2. (Q241D1) Construction was suspended in 19 Q241D2. 2.4.2 Number of Farming household **O242** Nos. 2.5 Proposed/Rehabilitation: 2.5.1 History and Schedule (O251A1) Construction was completed in 19 Q251A1. (Q251B1) Last Rehabilitation, if any, was made in 19 Q251B1. (Q251C1) F/S for rehabilitation was conducted in 19 Q251C1. (Q251D1) D/D for rehabilitation was conducted in 19 Q251D1. (O251E1) Rehabilitation will be commenced in 19 Q251E1. (Q251F1) Rehabilitation will be completed in 19 Q251F1. O252 Nos. 2.5.2 Number of Farming household

2.2

2.6 Proposed/Construction or Extension:

2.6.1 History

(Q261A1) No investigation was made so far.
(Q261B1) F/S for construction was conducted in 19 Q261B2.
(Q261C1) D/D for construction was conducted in 19 Q261C2.
(Q261D1) Construction will be commenced in 19 Q261D2.
(Q261E1) Construction will be completed in 19 Q261E2.

2.6.2 Number of Farming household

Q262 Nos.

3. **AREA**

| | Description | Luas Sudah Berfungsi | Luas Belum Berfungsi | Jumlah |
|-----|-------------|----------------------------|--------------------------------------|--------------------------------|
| 3.1 | Pertanian | Q31A ha (1)=(2)=(3)+(4) | Q31B ha (8)=(9)=(10)+(11) | Q31C ha (15)=(16)=(17)+(18) |
| | Sawah | Q311A ha (2) | Q311B ha (9) | <u>Q311C ha</u> (16) |
| | Lodang | O312A ha | Q312B ha (10) | <u>Q312C</u> ha |
| | Kebun | Q313A ha (4) | Q313B ha (11) | Q313C ha (18) |
| 3.2 | Tambak | <u>Q32A ha</u> (5) | O32B ha | Q32C ha |
| 3.3 | Lainya | <u>Q33A ha</u> (6) | <u>Q33B ha</u> (13) | <u>Q33C ha</u> (20) |
| 3.4 | Jumlah | Q34A ha (7)=(1)=(5)+(6) | <u>Q34B ha</u> (14)=(8)=(12)+(13) | Q34C ha (21)=(15)=(19)+(20) |

DRAINAGE CANALS 4.

| | Description | Already completed | to be constructed | to be rehabilitated |
|-------|---------------------|----------------------|-------------------|------------------------|
| 4.1 | Canals | | | |
| 4.1.1 | Main canals | Q41A km | Q41B km | Q41C km |
| 4.1.2 | Secondary Canals | Q42A km | Q42B km | Q42C km |
| 4.1.3 | Tertiary Canals | Q43A km | Q43B km | Q43C_km |

5. CONSTRUCTION/REHABILITATION COST

| | Description | Construction Cost | SM & EOM Cost | Unit: Million Rp. Rehabilitation/ Upgrading Cost |
|-----|---------------------|----------------------|------------------|--|
| 5.1 | Gate | Q51A | Q51B | <u>Q51C</u> |
| 5.2 | Main canals | Q52A | Q52B | <u>Q52C</u> |
| 5.3 | Secondary Canals | Q53A | Q53B | <u>Q53C</u> |
| 5.4 | Tertiary Canals | Q54A | Q54B | Q54C |
| 5.5 | Others | Q55A | Q55B | Q55C |
| 5.6 | Total Cost | Q56A | Q56B | Q56C |

ENVIRONMENTAL ISSUES 6.

Is there environmental problem in the sub-project?

(Q6A) No (Q6B) Yes If Yes, answer following questions (not limited to one answer)

What are Problems in the project area?

(Q6C) River / Sea Water Quality (Q6D) Deforestation in the Catchment Area (Q6E) Soil Erosion in the Catchment Area: (Q6F) Sedimentation in Intake and Canals: (Q6G) Quarrying in the river near the intake (Q6H) Existence of Schistosomiasis in the Area:

(Q6I) Existence of Malaria in the Area:

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

THE STUDY

FOR

FORMULATION OF IRRIGATION DEVELOPMENT PROGRAM

Questionnaire for Inventory Survey (Groundwater Irrigation Development)

Please answer question only for <u>on-going construction project</u> and <u>proposed construction project</u>

| | Not | es: | | |
|-----|-----|--|---|--|
| | 1. | Where the question with " \(\sigma \)". | n has parenthesis, write t | he number or fill the appropriate spaces |
| | 2. | On descriptive que | estions, answer either by | specifying or writing down briefly and |
| | | clearly. | | |
| | 3. | For doubtful points | s, if any, please see the a | ttached answer sample. |
| • | Na | me of Project: | | |
| | Na | me of Responsible O | ffice: | |
| | Fil | led by: | | |
| | | | | |
| • | | | | |
| l. | L | OCATION | | |
| .1 | P | rovince: | Code Q11A | Q11B |
| .2 | K | abupaten: | Code Q12A | Q12B |
| 1.3 | K | | 1. Code Q131A | Name Q131B |
| | - | | 2. <u>Code Q132A</u> 3. <u>Code Q133A</u> | Name Q132B |
| | | | | Name Q133B |
| | | | 4. <u>Code Q134A</u> | Name Q134B |
| | | | 5. <u>Code Q135A</u> 6. <u>Code Q136A</u> | Name Q135B Name Q136B |
| | | | 7. Code Q137A | Name Q137B |
| | | | 8. <u>Code Q138A</u> | Name Q138B |
| 2. | S | TATUS OF SCHEM | E | |
| 2.1 | s | elect Present Status o | f Sub-project (not limited | I to one answer): |
| | (0 | Q21A) On-going/Cor Q21B) Proposed/Con | nstruction or Extension astruction or Extension | (Answer question No. <u>2.2</u>) (Answer question No. <u>2.3</u>) |

| 2.2 | On-go | ing/Construction or E | xtension: | | |
|-----|--------|---|---|--|---|
| | 2.2.1 | History | | | |
| | | (Q221B1) D/D for (Q221C1) Construction | construction was cond construction was conceition was commenced ction was suspended in | lucted in 19 Q221B2 . I in 19 Q221C2 . | : |
| | 2.2.2 | Lending Agency: | | Q222 | |
| 2.3 | Propo | sed/Construction or E | xtension: | | |
| | 2.3.1 | History | | | |
| | | (Q231B1) F/S for c (Q231C1) D/D for (Q231D1) Construc | stigation was made so onstruction was cond construction was con- ction will be commen- ction will be complete | ucted in 19 Q231B2 . ducted in 19 Q231C2 . ced in 19 Q231D1 . | |
| | 2.3.2 | Lending Agency: | | Q232 | 2 |
| 3. | ARE | A | | | |
| | Desci | iption | Present | Plan | |
| 3.1 | Irriga | ted Paddy Field | Q31A ha | Q31B ha | |
| 3.2 | Rainf | ed Paddy Field | Q32A ha | Q32B ha | |
| 3.3 | Uplar | ıd Field | Q33A ha | Q33B ha | |
| 3.4 | Other | rs . | Q34A ha | Q34B ha | * |
| 3.5 | Total | | Q35A ha | Q35B ha | |
| 4. | WEL | L CHARACTERISTI | CS | | |
| | Desc | ription | Number | Average Depth | |
| 4.1 | Shall | ow (ITTW) | Q41A nos | Q41B m | |
| 4.2 | Deep | (DTW) | Q42A nos | Q42B m | |
| | | | | | |

5. CONSTRUCTION COST

| | | Unit: Million Rp. |
|-------|-------------|----------------------|
| | Description | Construction Cost |
| 5.1 | Well | |
| 5.1.1 | Shallow | Q511 |
| 5.1.2 | Deep | Q512 |
| 5,2 | Canals | Q52 |
| 5.3 | Total | Q53 |
| | · | |

Description of Program Files and Procedures (1/9)

Program Name Description

MENUl. PRG

Procedure

Main Menu of Data Storage & Retrieval

MEN CREA, M CASES, SAWA MNU, RAWA MNU, GW MNU, PRINTSET,

PRNTRTRY, ERRPAUSE, PRTSTP, PRTMSG

Procedure Name : MEN CREA

Description

Define Popup Menu to Select Kind of

Scheme in Data Storage & Retrieval Sub-

system

Procedure Name :

M CASES

Description

Control Popup Menu to Select Kind of

Scheme in Data Storage & Retrieval Sub-

Procedure Name :

SAWA MNU

Control Popup Menu to Select Menu Item Description

in Surface Irrigation Scheme

Procedure Name :

Description

RAWA MNU

Control Popup Menu to Select Menu Item

in Swamp Irrigation Scheme

Procedure Name :

Description

GW MINU Control Popup Menu to Select Menu Item

in Groundwater Irrigation Scheme

Procedure Name :

Description

PRINTSET

Prompt User to be Sure Printer is in

On-Line When it is in off-Line

PRMTRTRY Procedure Name :

Description

Prompt User to be Sure Printer is in

On-Line When it is in off-Line

ERRPAUSE Procedure Name :

Description

Display Message When Error Occurs

Procedure Name : PRTSTP

Description

Cancel Printing

Procedure Name : PRTMSG

Description

Display Message While Printing

Program Name Description

SREG.PRG

Entry of Record for Surface Irrigation Scheme

MASTER 1

Procedure

MASTER1, LEGEND, DIRECT

Procedure Name :

Description

Main Body of Data Entry for Surface

Irrigation Scheme

Procedure Name :

Description

LEGEND Display Menu for Cursor Move

Procedure Name :

Description

DIRECT Computer to Move Previous/Next

Page

DIRECT

Description of Program Files and Procedures (2/9)

Program Name

Description

SCOR.PRG Correction of Record for Surface Irrigation Scheme

Procedure

MASTER1, LEGEND, DIRECT

Procedure Name : MASTER1

Description : Main Body of Data Correction for

Surface Irrigation Scheme

Procedure Name : SGET

Description : Display Data on Screen for Surface

Irrigation Scheme

Procedure Name : LEGEND

Description

: Display Menu for Cursor Move

Procedure Name : DIRECT

Description

: Direct Computer to Move Previous/Next

Page

Program Name

Description •

SREF. PRG

Browse of Record for Surface Irrigation Scheme

Procedure

MASTER1, LEGEND, DIRECT

Procedure Name : MASTER1

Description : Main Body of Data Browse for Surface

Irrigation Scheme

Procedure Name : LEGEND

Description

: Display Menu for Cursor Move

Procedure Name :

Description

DIRECT : Direct Computer to Move Previous/Next

Page and Record

Program Name

Description

: SDEL.PRG

: Delete Record of Surface Irrigation Scheme

Program Name

SPRT.PRG

Description

Print Record of Surface Irrigation Scheme

:

Procedure File : HEADER, MASTER1

Procedure Name : HEADER

Description : Print HEADER of Surface Irrigation

Scheme Records

Procedure Name : MASTER1

Description

Main Body of Data Print (1) for Surface

Irrigation Scheme

Procedure Name : MASTER2

Description

: Main Body of Data Print (2) for Surface

Irrigation Scheme

Program Name

Description Procedure

: RREG.PRG

: Entry of Record for Swamp Irrigation Scheme

: MASTER1, LEGEND, DIRECT

Procedure Name : MASTER1

Description : Main Body of Data Entry for Swamp

Irrigation Scheme

Description of Program Files and Procedures (3/9)

Procedure Name : LEGEND

: Display Menu for Cursor Move Description

Procedure Name :

DIRECT

Description

DIRECT Computer to Move Previous/Next

Page

Program Name

RCOR, PRG

Description

Correction of Record for Swamp Irrigation Scheme

Procedure MASTER1, LEGEND, DIRECT

Procedure Name: MASTER1

Main Body of Data Correction for Swamp Description :

Irrigation Scheme

Procedure Name : LEGEND

Description

: Display Menu for Cursor Move

Procedure Name : DIRECT

Description

Direct Computer to Move Previous/Next

Program Name

RREF.PRG

Description Procedure

Browse of Record for Swamp Irrigation Scheme :

: MASTER1, LEGEND, DIRECT

Procedure Name : MASTER1

Description :

Main Body of Data Browse for Swamp

Irrigation Scheme

Procedure Name : LEGEND

Description

: Display Menu for Cursor Move

Procedure Name : DIRECT

Description

Direct Computer to Move Previous/Next

Page and Record

Program Name

RDEL.PRG

Description

Delete Record of Swamp Irrigation Scheme

Program Name

: RPRT.PRG

Description

Print Record of Swamp Irrigation Scheme

Procedure File :

HEADER, MASTER1

Procedure Name :

Description

Print HEADER of Swamp Irrigation Scheme

Records

HEADER

Procedure Name : MASTER1

Description

: Main Body of Data Print for Swamp

Irrigation Scheme

Program Name

GREG. PRG

Description Procedure

Entry of Record for Groundwater Irrigation Scheme

MASTER1, LEGEND, DIRECT

Procedure Name: MASTER 1

Main Body of Data Entry for Groundwater Description

Irrigation Scheme

Description of Program Files and Procedures (4/9)

Procedure Name : LEGEND

Description : Display Menu for Cursor Move

Procedure Name : DIRECT

Description : DIRECT Computer to Move Previous/Next

Page

Program Name

GCOR.PRG

Description

Correction of Record for Groundwater Irrigation Scheme :

Procedure MASTER1, LEGEND, DIRECT :

> Procedure Name : MASTER1

Description : Main Body of Data Correction for

Groundwater Irrigation Scheme

Procedure Name : LEGEND

Description : Display Menu for Cursor Move

Procedure Name : DIRECT

Description Direct Computer to Move Previous/Next

Page

Program Name

: GREF.PRG

Description Procedure

Browse of Record for Groundwater Irrigation Scheme

MASTER1, LEGEND, DIRECT

Procedure Name : MASTER1

Description Main Body of Data Browse for

Groundwater Irrigation Scheme

Procedure Name : LEGEND

Description : Display Menu for Cursor Move

Procedure Name : DIRECT

Description Direct Computer to Move Previous/Next

Page and Record

Program Name

GDEL.PRG

Description

Delete Record of Groundwater Irrigation Scheme

Program Name

GPRT.PRG :

Description

Print Record of Groundwater Irrigation Scheme

: Procedure File : HEADER, MASTER1

> Procedure Name : HEADER

: Print HEADER of Groundwater Irrigation Description

Scheme Records

Procedure Name : MASTER1

Description Main Body of Data Print for Groundwater

Irrigation Scheme

Description of Program Files and Procedures (5/9)

Program Name Description Procedure MENU2.PRG

Main Menu of Print Report

MEN CREA, M_CASES, REGION, MNU_01, MNU_03, MNU_05, MNU_06, MNU_07, MNU_08, REGION_1, REGION_3, REGION_5, REGION_6, REGION_7, REGION_8, MNU_S, ACTION_S, MNU_R, ACTION_R, MNU_G, ACTION_G, PRINTSET, PRINTRTRY, ERRPAUSE,

PRTSTP, PRTMSG

Procedure Name : MEN_CREA

Description : Define Popup Menu to Select Type of

Scheme and Region in Print Report Sub-

system

Procedure Name : M_CASES

Description : Control Popup Menu to Select Type of

Scheme in Print Report Sub-system

Procedure Name : REGION

Description : Control Popup Menu to Select Region to

Print

Procedure Name : MNU_01

Description : Define Popup Menu to Select Province in

Sumatera

Procedure Name: MNU 03

Description : Define Popup Menu to Select Province in

Jawa

Procedure Name : MNU_05

Description : Define Popup Menu to Select Province in

Bali & Nusa Tenggara

Procedure Name : MNU_06

Description : Define Popup Menu to Select Province in

Kalimantan

Procedure Name : MNU_07

Description : Define Popup Menu to Select Province in

Sulawesi

Procedure Name : MNU_08

Description : Define Popup Menu to Select Province in

Maluku & Irian Jaya

Procedure Name : REGION_1

Description : Control Popup Menu to Select Province

in Sumatera

Procedure Name : REGION_3

Description : Control Popup Menu to Select Province

in Jawa

Procedure Name : REGION_5

Description : Control Popup Menu to Select Province

in Bali & Nusa Tenggara

Procedure Name : REGION_5

Description : Control Popup Menu to Select Province

in Kalimantan

Description of Program Files and Procedures (6/9)

Procedure Name: REGION 7

Description : Control Popup Menu to Select Province

in Sulawesi

Procedure Name : REGION_8

Description : Control Popup Menu to Select Province

in Maluku & Irian Jaya

Procedure Name : MNU S

Description : Define Popup Menu to Select Print

format in Surface Irrgation Scheme

Procedure Name : ACTION S

Description : Control Popup Menu to Select Print

format in Surface Irrgation Scheme

Procedure Name: MNU R

Description : Define Popup Menu to Select Print

format in Swamp Irrgation Scheme

Procedure Name: ACTION R

Description : Control Popup Menu to Select Print

format in Swamp Irrgation Scheme

Procedure Name : MNU G

Description : Define Popup Menu to Select Print

format in Groundwater Irrgation Scheme

Procedure Name : ACTION G

Description : Control Popup Menu to Select Print

format in Groundwater Irrgation Scheme

Procedure Name : PRINTSET

Description : Prompt User to be Sure Printer is in

On-Line When it is in off-Line

Procedure Name : PRNTRTRY

Description : Prompt User to be Sure Printer is in

On-Line When it is in off-Line

Procedure Name : ERRPAUSE

Description : Display Message When Error Occurs

Procedure Name : PRTSTP

Description : Cancel Printing

Procedure Name : PRIMSG

Description : Display Message While Printing

Program Name: PRT_S.PRG

Description : Print Record of Surface Irrigation Scheme

Procedure: HEADER, PRT S01, PRT S02, PRT S03, PRT S04, PRT S05, PRT S06,

PRT_S07, PRT_S08, PRT_S09, PRT_S10, PRT_S1, PRT_S12

Procedure Name : HEADER

Description : Print HEADER of Surface Irrigation

Scheme Records

Description of Program Files and Procedures (7/9)

File Name : PRT_S01

Description : Print Record of Surface Irrigation

Scheme

Item to Print: Project History (Summary)

File Used : SAWA1.DBF

File Name : PRT S02

Description : Print Record of Surface Irrigation

Scheme

Item to Print: Project History (Current O/M)

File Used : SAWAL.DBF

File Name : PRT_S03

Description : Print Record of Surface Irrigation

Scheme

Item to Print: Project History (On-Going)

File Used : SAWA1.DBF

File Name : PRT S04

Description : Print Record of Surface Irrigation

Scheme

Item to Print: Project History (Proposed)

File Used : SAWAL.DBF

File Name : PRT S05

Description : Print Record of Surface Irrigation

Scheme

Item to Print: Present Condition of Area (No.1)

File Used : SAWA1.DBF

File Name : PRT_S06

Description : Print Record of Surface Irrigation

Scheme

Item to Print: Present Condition of Area (No.2)

File Used : SAWA1.DBF

File Name : PRT_S07

Description : Print Record of Surface Irrigation

Scheme

Item to Print: Condition of Area After Implementation

(NO.1)

File Used : SAWA2.DBF

File Name : PRT S08

Description : Print Record of Surface Irrigation

scheme

Item to Print: Condition of Area After Implementation

(No.2)

File Used : SAWA2.DBF

File Name : PRT S09

Description : Print Record of Surface Irrigation

Scheme

Item to Print : Feature of Irrigation Canal (Summary)

File Used : SAWA2.DBF

File Name : PRT_S10

Description : Print Record of Surface Irrigation

Scheme

Item to Print: Cost of Irrigation Scheme (No.1)

File Used : SAWA2.DBF

Description of Program Files and Procedures (8/9)

File Name PRT S11

Description Print Record of Surface Irrigation

Scheme

Item to Print : Cost of Irrigation Scheme (No.2)

File Used SAWA2.DBF

File Name PRT S12

Description Print Record of Surface Irrigation

Scheme

Item to Print: Headworks & Environment

File Used SAWA2.DBF

Program Name

PRT R.PRG

Description

Print Record of Swamp Irrigation Scheme :

Procedure

HEADER, PRT_R01, PRT_R02, PRT_R03, PRT R04, PRT R05,

PRT RO6, PRT RO7

Procedure Name : HEADER

Description : Print HEADER of Swamp Irrigation Scheme

Records

Procedure Name : PRT R01

Description : Print Rec Item to Print : History File Used : RAWA.DBF Print Record of Swamp Irrigation Scheme

History (Summary)

Procedure Name : PRT RO2

Description : Print Record of Swamp Irrigation Scheme

Item to Print : History (Current O/M)

File Used : RAWA.DBF

Procedure Name : PRT RO3

Description : Item to Print : Print Record of Swamp Irrigation Scheme

History (Program)

File Used : RAWA.DBF

File Name PRT R04

Description : Print Record of Swamp Irrigation Scheme

Item to Print: Area File Used RAWA.DBF

File Name PRT R05

Description Print Record of Swamp Irrigation Scheme

Item to Print: Length of Canal

File Used RAWA.DBF

File Name PRT R06 :

Description : Print Record of Swamp Irrigation Scheme

Item to Print: Cost File Used RAWA.DBF

File Name PRT R07

Print Record of Swamp Irrigation Scheme Description :

Item to Print : Environment File Used RAWA, DBF

Description of Program Files and Procedures (9/9)

Program Name

PRT G.PRG •

:

Description

Print Record of Groundwater Irrigation Scheme

Procedure

HEADER, PRT_G01, PRT_G02

Procedure Name : HEADER

Description : Print HEADER of Groundwater Irrigation

Scheme Records

Procedure Name : PRT G01

Description

: Print Record of Groundwater Irrigation

Scheme

Item to Print : Project History

File Used

: GW.DBF

Procedure Name : PRT G02

Description : Print Record of Groundwater Irrigation

Scheme

Item to Print : Area, Project Feature, Cost

: GW.DBF File Used

:

Program Name

Description

MENU3.PRG

Main Menu of System Maintenance

Procedure

MEN_CREA, M_CASES

Procedure Name : MEN CREA

Description : Define Popup Menu to Select Menu in

System Maintenance Sub-sysem

Procedure Name :

M CASES

Description

Control Popup Menu to Select Menu in

System Maintenance Sub-sysem

Program Name

MENU31.PRG

Description

Backup of Data to Floppy Disk

Program Name

: MENU32.PRG

Description

: Restore Data From Floppy Disk to Hard Disk

Program Name

: MENU33.PRG

Description

Cleaning File

Program Name

MENU34.PRG

Description

: Show Information of Files

Description of Printouts (1/3)

Surface Irrgation Scheme

Form No. : S01
File Name : PRT S01

Description : Print Record of Surface Irrigation Scheme

Item to Print : Project History (Summary)

File Used : SAWA1.DBF

Form No. : S02 File Name : PRT S02

Description : Print Record of Surface Irrigation Scheme

Item to Print: Project History (Current O/M)

File Used : SAWA1.DBF

Form No. : S03 File Name : PRT_S03

Description : Print Record of Surface Irrigation Scheme

Item to Print: Project History (On-Going)

File Used : SAWAl.DBF

Form No. : S04
File Name : PRT_S04

Description : Print Record of Surface Irrigation Scheme

Item to Print : Project History (Proposed)

File Used : SAWA1.DBF

Form No. : S05
File Name : PRT_S05

Description : Print Record of Surface Irrigation Scheme

Item to Print: Present Condition of Area (No.1)

File Used : SAWA1.DBF

Form No. : S06 File Name : PRT S06

Description : Print Record of Surface Irrigation Scheme

Item to Print: Present Condition of Area (No.2)

File Used : SAWA1.DBF

Form No. : S07
File Name : PRT S07

Description : Print Record of Surface Irrigation Scheme Item to Print : Condition of Area After Implementation (No.1)

File Used : SAWA2.DBF

Form No. : S08
File Name : PRT S08

Description : Print Record of Surface Irrigation Scheme
Item to Print : Condition of Area After Implementation (No.2)

File Used : SAWA2.DBF

Form No. : S09
File Name : PRT_S09

Description : Print Record of Surface Irrigation Scheme Item to Print : Feature of Irrigation Canal (Summary)

File Used : SAWA2.DBF

Description of Printouts (2/3)

Form No. PRT S10 File Name

Print Record of Surface Irrigation Scheme Description

Cost of Irrigation Scheme (No.1) Item to Print :

SAWA2.DBF File Used

Form No. S11PRT S11 File Name

Print Record of Surface Irrigation Scheme Description •

Cost of Irrigation Scheme (No.2) Item to Print:

SAWA2.DBF File Used

S12 Form No. PRT S12 File Name

Print Record of Surface Irrigation Scheme Description

Headworks & Environment Item to Print:

SAWA2.DBF File Used

Swamp Irrgation Scheme

Form No. R01 Procedure Name : PRT R01

Description : Print Record of Swamp Irrigation Scheme

Item to Print : History (Summary)

File Used RAWA.DBF

R02 Form No. Procedure Name: PRT RO2

Print Record of Swamp Irrigation Scheme Description

History (Current O/M) Item to Print :

RAWA.DBF File Used

: R03 Form No. Procedure Name: PRT_R03

Description : Print Record of Swamp Irrigation Scheme

History (Program) Item to Print :

Area

RAWA.DBF File Used

R04 Form No. PRT RO4 File Name

Print Record of Swamp Irrigation Scheme Description

Item to Print : File Used RAWA, DBF

Form No. R05 PRT R05 File Name

Print Record of Swamp Irrigation Scheme Description

Item to Print: Length of Canal

RAWA.DBF File Used

R06 Form No. PRT R06 File Name

Print Record of Swamp Irrigation Scheme Description

Item to Print : Cost File Used RAWA, DBF

Description of Printouts (3/3)

Form No.

R07

File Name

PRT RO7

Description :

Print Record of Swamp Irrigation Scheme

Item to Print:

Environment

File Used

RAWA.DBF

Groundwater Irrgation Scheme

Form No.

G01

Procedure Name: PRT G01

Description : Print Record of Groundwater Irrigation Scheme

Item to Print : Project History
File Used : GW.DBF

Form No.

: G02

Procedure Name: PRT G02

Description : Print Record of Groundwater Irrigation Scheme

Item to Print : Area, Project Feature, Cost

File Used : GW.DBF

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Printed on August 10,1993
Directorate General of Water Resources Development
Formulation of Irrigation Development Program (FIDP)
Summary Sheet of Surface Irrigation Scheme for Inventory Survey
Form No. : S02
Province : Sumatera Utara

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Directorate General of Water Resources Development
Formulation of Irrigation Development Program (FIDP)
Summary Sheet of Surface Irrigation Scheme for Inventory Survey
Form: SONS
Province: Sumatera Barat

Printed on August 11,133 Estituted Development Directorate General of Maray Natiuted Development Primeteral of Maray Natiuted Program (FIDP) Summary Sheet of Surface Utrajetion Scheme for inventory Survey Rorm Mo. , Set

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Cormulation of Irrigation Development Program. (FIDP)
Unmary Sheet of Surface Irrigation Scheme for Inventory Surve
Form No. : 506

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Directorate General of Water Resources Development
Formulation of Irrigation Development Program (FIDP)
Summary Sheet of Surface Irrigation Scheme for Inventory Survey
Form No.: 508
Province: Bali

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Drinted on August 10,1993
Directorate General of Water Resources Development
Formulation of Irrigation Development Program (FIDP)
Summary Shest of Surface Irrigation Scheme for Inventory Survey
Form No. : 809
Province : Nusa Tenggara Barat

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Dissertorate General of Water Resources Development
Formulation of Intellection Development Persons (PIDS)
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Formulation of Intellection Development Persons (PIDS)

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Appendix I - 91

Printed on August 10,1993
Directorate General of Water Resources Development
Formulation of Irrigation Development Program (FIDP)
Summary Sheet of Surface Irrigation Scheme for Inventory Survey
Form No. : S11
Province : Sulawesi Tengah

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Printed on August 11,1993

Directorate General of Water Resources Development

Directorate General of Water Resources Development

Bornalation of Inrigation Development Program (FIDP)

Summary Sheet of Surface Inrigation Scheme for Inventory Survey

Form No.: 512

Province: Sulawesi Selatan

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Printed on August 10,1993
Directorate General of Water Resources Development
Formulation of Irrigation Development Program (FIDP)
Summary Sheet of Swamp Irrigation Scheme for Inventory Survey
Form No.: R02
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Printed on August 10,1893
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Form No. 1803
Province : D.I.Aceh

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Directorate General of Water Resources Development
Formulation of Irrigation Development Program (FIDP)
Summary Sheet of Swamp Irrigation Scheme for Inventory Survey

Province : D.I.Aceh

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Printed on August 10,1993
Directorate General of Water Resources Development
Formulation of Irrigation Development Program (FIDP)
Summary Sheet of Swamp Irrigation Scheme for Inventory Survey
Form No. : R07
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Printed on August 11,1993
Directorate General of Water Resources Development
Formulation of Irrigation Development Program (FIDP)
Summary Sheet of Groundwater Irrigation Scheme for Inventory Survey
FORM NO. : G01
Province : Sumatera Utara

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Formulation of Irrigation Development Program (WIDP)
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Appendix I - 102