```
PROCEDURE NAME : MENUL.PRG
   DESCRIPTION
                 : MAIN MENU OF DATA STORAGE & RETRIEVAL
                  : MEN_CREA, M CASES, SAWA_MNU, RAWA_MNU, GW MNU
                    PRINTSET, PRNTRTRY, ERRPAUSE, PRTSTP, PRTMSG
   PREPARED BY
                  : Takuya IGAWA, JICA FIDP Team
                  : August 8, 1993
   PREPARED ON
 IF SET("TALK") = "ON"
   SET TALK OFF
    lc_talk = "ON"
 ELSE
   lc talk = "OFF"
lc cursor = SET("CURSOR")
SET CURSOR ON
lc status = SET("STATUS")
IF lc status = "ON"
   SET STATUS OFF
ENDIF
SET SCOREBOARD OFF
set safety off
set bell on
set confirm on
DEFINE WINDOW COVER FROM 0,0 TO 24,79 NONE
DEFINE WINDOW PAUSE FROM 15,00 TO 21,79 DOUBLE
STORE .T. TO LOOPA, LOOPB
*IF ISCOLOR()
    SET COLOR TO GR+/B.N/BG
    SET COLOR OF BOX TO GR+/B
*ENDIF
*IF ISCOLOR()
    COL1='SET COLOR TO W/R'
    COL2='SET COLOR TO R/W'
    COL0='SET COLOR TO W/B'
*ELSE
   COLO='SET COLOR TO'
   COL1='SET COLOR TO N/W'
   COL2='SET COLOR TO N/W'
*ENDIF
CLEAR
@ 1, 20 SAY
             'JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)'
@ 3, 20 SAY 'Formulation of Irrigation Development Program'
&COL1
             'To Select Item, Use '+CHR(24)+' '+CHR(25)+' Key and Press <ENTER> Key'
@ 23,15 SAY
&COLO
DO MEN CREA
ACTIVATE POPUP MAIN
IF lc status = "OFF"
   SET STATUS OFF
ENDIF
SET CURSOR &lc cursor
SET TALK &lc_talk
CLEAR ALL
CLEAR
RETURN
FUNCTION CENT STR
PARAMETERS STRING, STLEN
PRIVATE RET VAL, LPAD, TPAD
LPAD = INT((STLEN-LEN(LTRIM(TRIM(STRING))))/2)
TPAD = STLEN - LPAD - LEN(LTRIM(TRIM(STRING)))
RET_VAL = SPACE(LPAD) + LTRIM(TRIM(STRING)) + SPACE(TPAD)
RETURN RET_VAL
PROC MEN_CREA
* PROCEDURE NAME : MEN CREA
                : DEFINE POPUP MENU TO SELECT KIND OF SCHEME IN DATA STRAGE & RETRIEVAL SUB-SYSTEM
```

```
DEFINE POPUP MAIN FROM 6,20 TO 20,60
DEFINE BAR 2 OF MAIN PROMPT CENT_STR("Data Strage and Retrieval", 39) SKIP
DEFINE BAR 3 OF MAIN PROMPT REPL(CHR(205), 39) SKIP
DEFINE BAR 5 OF MAIN PROMPT CENT_STR("Surface Irrigation", 39);
   MESSAGE "Add, correct, browse, delete and print records of Surface Irrigation"
DEFINE BAR 7 OF MAIN PROMPT CENT STR("Swamp Irrigation", 39);

MESSAGE "Add, correct, browse, delete and print records of Swamp Irrigation"

DEFINE BAR 9 OF MAIN PROMPT CENT STR("Groundwater Irrigation", 39);
MESSAGE "Add, correct, browse, delete and print records of Groundwater" DEFINE BAR 11 OF MAIN PROMPT CENT_STR("Quit", 39);
   MESSAGE "Terminate this program and go back to the DOT prompt"
ON SELECTION POPUP MAIN DO M_CASES
DEFINE POPUP sawa FROM 4,10 TO 20,30
DEFINE BAR 2 OF sawa PROMPT CENT_STR("Surface",19) SKIP
DEFINE BAR 3 OF sawa PROMPT REPL(CHR(205),39) SKIP
DEFINE BAR 5 OF sawa PROMPT CENT_STR("Add records", 19);
   MESSAGE "ADD questionnaire records of Surface Irrigation Scheme"
DEFINE BAR 7 OF Bawa PROMPT CENT_STR("Correct records", 19);
   MESSAGE "CORRECT questionnaire records of Surface Irrigation Scheme"
DEFINE BAR 9 OF sawa PROMPT CENT_STR("Browse records",19);
   MESSAGE "BROWSE questionnaire records of Surface Irrigation Scheme"
DEFINE BAR 11 OF sawa PROMPT CENT_STR("Delete records",19);
   MESSAGE "DELETEE questionnaire records of Surface Irrigation Scheme"
DEFINE BAR 13 OF sawa PROMPT CENT_STR("Print records",19);
   MESSAGE "PRINT questionnaire records of Surface Irrigation Scheme"
DEFINE BAR 15 OF sawa PROMPT CENT_STR("Return", 19);
   MESSAGE "RETURN to main menu"
ON SELECTION POPUP SAWA DO SAWA MNU
DEFINE POPUP rawa FROM 6,20 TO 22,40
DEFINE BAR 2 OF rawa PROMPT CENT_STR("Swamp", 19) SKIP
DEFINE BAR 3 OF rawa PROMPT REPL(CHR(205), 39) SKIP
DEFINE BAR 5 OF raws PROMPT CENT_STR("Add records", 19);
   MESSAGE "ADD questionnaire records of Swamp Irrigation Scheme"
DEFINE BAR 7 OF rawa PROMPT CENT_STR("Correct records", 19);
MESSAGE "CORRECT questionnaire records of Swamp Irrigation Scheme" DEFINE BAR 9 OF rawa PROMPT CENT STR("Browse records", 19);
    MESSAGE "BROWSE questionnaire records of Swamp Irrigation Scheme"
DEFINE BAR 11 OF rawa PROMPT CENT_STR("Delete records",19);
    MESSAGE "DELETEE questionnaire records of Swamp Irrigation Scheme"
DEFINE BAR 13 OF rawa PROMPT CENT_STR("Print records", 19);
    MESSAGE "PRINT questionnaire records of Swamp Irrigation Scheme"
DEFINE BAR 15 OF rawa PROMPT CENT_STR("Return", 19);
    MESSAGE "RETURN to main menu"
 ON SELECTION POPUP RAWA DO RAWA MNU
DEFINE POPUP gw FROM 6,50 TO 22,70
DEFINE BAR 2 OF gw PROMPT CENT_STR("Groundwater",19) SKIP
 DEFINE BAR 3 OF gw PROMPT REPL(CHR(205), 39) SKIP
 DEFINE BAR 5 OF gw PROMPT CENT_STR("Add records",19);
    MESSAGE "ADD questionnaire records of Groundwater Irrigation Scheme"
 DEFINE BAR 7 OF gw PROMPT CENT_STR("Correct records",19);
    MESSAGE "CORRECT questionnaire records of Groundwater Irrigation Scheme"
 DEFINE BAR 9 OF gw PROMPT CENT STR("Browse records",19);
MESSAGE "BROWSE questionnaire records of Groundwater Irrigation Scheme"
 DEFINE BAR 11 OF gw PROMPT CENT_STR("Delete records",19);
    MESSAGE "DELETEE questionnaire records of Groundwater Irrigation Scheme"
 DEFINE BAR 13 OF gw PROMPT CENT_STR("Print records",19);
    MESSAGE "PRINT questionnaire records of Groundwater Irrigation Scheme"
 DEFINE BAR 15 OF gw PROMPT CENT_STR("Return", 19);
    MESSAGE "RETURN to main menu"
 ON SELECTION POPUP GW DO GW_MNU
 * End-of-procedure : MEN_CREA
 PROC M_CASES
   PROCEDURE NAME : MEN CREA
                  : CONTROL POPUP MENU TO SELECT KIND OF SCHEME IN DATA STRAGE & RETRIEVAL SUB-
 SYSTEM
 DO CASE
    CASE BAR() = 5
       ACTIVATE POPUP SAWA
    CASE BAR() = 7
```

```
ACTIVATE POPUP RAWA
   CASE BAR() = 9
      ACTIVATE POPUP GW
   CASE BAR() = 11
      DEACTIVATE POPUP
ENDCASE
RETURN
* End-of-procedure : M_CASES
PROC SAWA_MNU
* PROCEDURE NAME : SAWA MNU
* DESCRIPTION
               : CONTROL POPUP MENU TO SELECT MENU ITEM IN SURFACE IRRIGATION SCHEME
DO CASE
   CASE BAR() = 5
      DO SREG
   CASE BAR() = 7
     DO SCOR
   CASE BAR() = 9
      DO SREF
   CASE BAR() = 11
     DO SDEL
   CASE BAR() = 13
      DO SPRT
   CASE BAR() = 15
      DEACTIVATE POPUP
      RETURN
ENDCASE
RETURN
* End-of-procedure : SAWA_MNU
PROC RAMA_MNU
* PROCEDURE NAME : RAWA MINU
* DESCRIPTION : CONTROL POPUP MENU TO SELECT MENU ITEM IN SWAMP IRRIGATION SCHEME
DO CASE
   CASE BAR() = 5
      DO RREG
   CASE BAR() = 7
      DO RCOR
   CASE BAR() = 9
      DO RREF
   CASE BAR() = 11
      DO SDEL
   CASE BAR() = 13
      DO RPRT
   CASE BAR() = 15
      DEACTIVATE POPUP
      RETURN
ENDCASE
RETURN
* End-of-procedure : RAWA_MNU
PROC GW_MNU
* PROCEDURE NAME : GW_MNU
* DESCRIPTION
                : CONTROL POPUP MENU TO SELECT MENU ITEM IN GROUNDWATER IRRIGATION SCHEME
DO CASE
   CASE BAR() = 5
     DO GREG
   CASE BAR() = 7
     DO GCOR
   CASE BAR() = 9
     DO GREF
   CASE BAR() = 11
     DO SDEL
   CASE BAR() = 13
     DO GPRT
   CASE BAR() = 15
     DEACTIVATE POPUP
     RETURN
ENDCASE
RETURN
* End-of-procedure : GW_MNU
PROC printeet
```

```
*==========
* PROCEDURE NAME : PRINTSET
                 : PROMPT USER TO BE SURE PRINTER IS IN ON-LINE WHEN IT IS IN OFF-LINE
* DESCRIPTION
PARAMETER ok
gn_pkey = 0
DEFINE WINDOW printemp FROM 08,25 to 17,56
IF .NOT. LASTKEY() = 27
   ON ERROR DO printrtry WITH ok
   IF gn_pkey (> 27
      SET DEVICE TO PRINT
   ENDIF
   ON ERROR
ENDIF
RELEASE WINDOW printemp
RETURN
* End-of-procedure : PRINTSET
PROC prntrtry
* PROCEDURE NAME : PRNTRTRY
* DESCRIPTION
                  : PROMPT USER TO BE SURE PRINTER IS IN ON-LINE WHEN IT IS IN OFF-LINE
PARAMETER ok
PRIVATE lc_escape
lc_escape = SET("ESCAPE")
   .NOT. PRINTSTATUS()
   IF lc escape = 'ON'
      SET ESCAPE OFF
    ENDIF
   gn_pkey = 0
   ACTIVATE WINDOW printemp
   @ 1, 0 SAY 'Please ready your printer or'
   © 2, 0 SAY ' press ESC to cancel'
DO WHILE ( .NOT. PRINTSTATUS()) .AND. gn_pkey <> 27
      gn_pkey = INKEY()
   DEACTIVATE WINDOW printemp
   SET ESCAPE &lc_escape
   IF gn_pkey \leftrightarrow 27
       RETRY
    ELSE
      ok = .F.
    ENDIF
ENDIF
* End-of-procedure : PRNTRTRY
PROC errpause
* PROCEDURE NAME : ERRPAUSE
* DESCRIPTION
                : DISPLAY MESSAGE WHEN ERROR OCCURS
PARAMETER errmegl, errmeg2
ACTIVATE WINDOW Pause
? CHR(7)
@ 00, 25 SAY '<<<<< ERROR MESSAGE >>>>>
@ 01, 01 SAY errmegl
© 02, 01 SAY errmsg2
WAIT ' Press any key to continue'
DEACTIVATE WINDOW Pause
* End-of-procedure : ERRPAUSE
PROC prtstp
* PROCEDURE NAME : PRTSTP
* DESCRIPTION : CANCEL PRINTING
@ prow()+1, 0 say chr(18)
SET DEVICE TO SCREEN
ACTIVATE WINDOW Pause
? CHR(7)
@ 01, 25 SAY '<<<<< PRINT CANCEL >>>>>'
@ 03, 25 SAY ' All process is cancelled'
WAIT ' Press any key to continue'
DEACTIVATE WINDOW Pause
CLOSE DATABASES
DEACTIVATE WINDOW COVER
*DEACTIVATE POPUP
*RELEASE ALL
```

```
*CLOSE ALL
*CLEAR
RETURN TO MASTER
* End-of-procedure : PRTSTP
PROC prtmsq
* PROCEDURE NAME : PRIMSG
* DESCRIPTION
                 : DISPLAY MESSAGE WHILE PRINTING
PARAMETER OK
TF OK
   ACTIVATE WINDOW Pause
   @ 01, 25 SAY '<<<<< PRINTING >>>>>'
@ 02, 00 SAY 'Press <Esc> to cancel print'
ELSE
   DEACTIVATE WINDOW Pause
ENDIF
RETURN
* End-of-procedure : PRTMSG
* EOF OF MENUL PRG
* PROCEDURE NAME : MENU2.PRG
* DESCRIPTION
                 : MAIN MENU OF PRINT REPORT
  PROCEDURE
                  : 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, PRNTRTRY, ERRPAUSE, PRTSTP, PRTMSG
* PREPARED BY
                  : Takuya IGAWA, JICA FIDP Team
* PREPARED ON : August 4, 1993
IF SET("TALK") = "ON"
   SET TALK OFF
   lc_talk = "ON"
ELSE
   lc_talk = "OFF"
ENDIF
le_cursor = SET("CURSOR")
SET CURSOR ON
lc_status = SET("STATUS")
IF lc_status = "ON"
   SET STATUS OFF
ENDIF
SET SCOREBOARD OFF
set safety off
set bell on
set confirm on
DEFINE WINDOW COVER FROM 0,0 TO 24,79 NONE
DEFINE WINDOW PAUSE FROM 15,00 TO 21,79 DOUBLE
STORE .T. TO LOOPA, LOOPB
*IF ISCOLOR()
    SET COLOR TO GR+/B, N/BG
    SET COLOR OF BOX TO GR+/B
*ENDIF
*IF ISCOLOR()
    COL1='SET COLOR TO W/R'
    COL2='SET COLOR TO R/W'
    COLO='SET COLOR TO W/B'
*ELSE
   COLO='SET COLOR TO'
   COL1='SET COLOR TO N/W'
   COL2='SET COLOR TO N/W'
*ENDIF
CLEAR
             'JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)'
@ 1, 20 SAY
@ 3, 20 SAY
             'Formulation of Irrigation Development Program'
&COL1
             'To Select Item, Use '+CHR(24)+' '+CHR(25)+' Key and Press <ENTER> Key'
@ 23,15 SAY
&COL0
DO MEN_CREA
```

```
Sample of Computer Program
Main Menu Control Program
ACTIVATE POPUP MAIN
IF lc_status = "OFF"
  SET STATUS OFF
ENDIF
SET CURSOR &lc_cursor
SET TALK &lc_talk
CLEAR ALL
CLEAR
RETURN
FUNCTION CENT STR
* FUNCTION NAME : CENT_STR
                 : ALIGN STRING CENTER
* DESCRIPTION
PARAMETERS STRING, STLEN
PRIVATE RET_VAL, LPAD, TPAD
LPAD = INT((STLEN-LEN(LTRIM(TRIM(STRING))))/2)
TPAD = STLEN - LPAD - LEN(LTRIM(TRIM(STRING)))
RET_VAL = SPACE(LPAD) + LTRIM(TRIM(STRING)) + SPACE(TPAD)
RETURN RET VAL
* End-of-procedure : CENT_STR
PROC MEN CREA
* PROCEDURE NAME : MEN CREA
                 : DEFINE POPUP MENU TO SELECT TYPE OF SCHEME AND REGION IN PRINT REPORT SUB-SYSTEM
  DESCRIPTION
DEFINE POPUP MAIN FROM 6,20 TO 20,60
DEFINE BAR 2 OF MAIN PROMPT CENT STR("Print Report", 39) SKIP
DEFINE BAR 3 OF MAIN PROMPT REPL(CHR(205), 39) SKIP
DEFINE BAR 5 OF MAIN PROMPT CENT_STR("Surface Irrigation", 39);
   MESSAGE "Print Reports for Surface Irrigation Scheme"
DEFINE BAR 7 OF MAIN PROMPT CENT STR("Swamp Irrigation", 39);
   MESSAGE "Print Reports for Swamp Irrigation Scheme"
DEFINE BAR 9 OF MAIN PROMPT CENT STR("Groundwater Irrigation", 39);
   MESSAGE "Frint Reports for Groundwater Scheme"
 DEFINE BAR 11 OF MAIN PROMPT CENT_STR("Quit", 39);
   MESSAGE "Terminate this program and go back to the DOT prompt"
 ON SELECTION POPUP MAIN DO M CASES
DEFINE POPUP sawa FROM 3,10 TO 22,30
 DEFINE BAR 2 OF sawa PROMPT CENT_STR("Surface", 19) SKIP
 DEFINE BAR 3 OF sawa PROMPT REPL(CHR(205), 39) SKIP
 DEFINE BAR 5 OF sawa PROMPT CENT STR("Sumatera", 19);
   MESSAGE "Print Reports for Surface Irrigation Scheme in Sumatera"
 DEFINE BAR 7 OF sawa PROMPT CENT_STR("Jawa", 19);
   MESSAGE "Print Reports for Surface Irrigation Scheme in Jawa"
 DEFINE BAR 9 OF sawa PROMPT CENT STR("Bali & NT", 19);
    MESSAGE "Print Reports for Surface Irrigation Scheme in Bali & Nusa Tenggara"
 DEFINE BAR 11 OF sawa PROMPT CENT STR("Kalimantan", 19);
    MESSAGE "Print Reports for Surface Irrigation Scheme in Kalimantan"
 DEFINE BAR 13 OF sawa PROMPT CENT_STR("Sulawesi",19);
    MESSAGE "Print Reports for Surface Irrigation Scheme in Sulawesi"
 DEFINE BAR 15 OF sawa PROMPT CENT STR ("Maluku & IJ", 19);
    MESSAGE "Print Reports for Surface Irrigation Scheme in Maluku & Iriyan Jaya"
 DEFINE BAR 17 OF sawa PROMPT CENT_STR("Return", 19);
    MESSAGE "RETURN to Print Report Main Menu"
 ON SELECTION POPUP SAWA DO REGION
 DEFINE POPUP rawa FROM 3,10 TO 22,30
 DEFINE BAR 2 OF rawa PROMPT CENT_STR("Swamp", 19) SKIP
 DEFINE BAR 3 OF rawa PROMPT REPL(CHR(205),39) SKIP
 DEFINE BAR 5 OF rawa PROMPT CENT_STR("Sumatera", 19);
    MESSAGE "Print Reports for Swamp Irrigation Scheme in Sumatera"
 DEFINE BAR 7 OF rawa PROMPT CENT_STR("Jawa", 19);
    MESSAGE "Print Reports for Swamp Irrigation Scheme in Jawa"
 DEFINE BAR 9 OF rawa PROMPT CENT_STR("Bali & NT",19);
    MESSAGE "Print Reports for Swamp Irrigation Scheme in Bali & Nusa Tenggara"
 DEFINE BAR 11 OF rawa PROMPT CENT_STR("Kalimantan", 19);
    MESSAGE "Print Reports for Swamp Irrigation Scheme in Kalimantan"
 DEFINE BAR 13 OF rawa PROMPT CENT_STR("Sulawesi",19);
    MESSAGE "Print Reports for Swamp Irrigation Scheme in Sulawesi"
 DEFINE BAR 15 OF rawa PROMPT CENT_STR("Maluku & IJ",19);
    MESSAGE "Print Reports for Swamp Irrigation Scheme in Maluku & Iriyan Jaya"
 DEFINE BAR 17 OF rawa PROMPT CENT_STR("Return",19);
```

MESSAGE "RETURN to Print Report Main Menu"

ON SELECTION POPUP RAWA DO REGION

```
DEFINE POPUP gw FROM 3,10 TO 22,30
DEFINE BAR 2 OF gw PROMPT CENT_STR("Groundwater", 19) SKIP
DEFINE BAR 3 OF gw PROMPT REPL(CHR(205),39) SKIP
DEFINE BAR 5 OF gw PROMPT CENT_STR("Sumatera",19);
   MESSAGE "Print Reports for Groundewter Irrigation Scheme in Sumatera"
DEFINE BAR 7 OF gw PROMPT CENT_STR("Jawa", 19);
   MESSAGE "Print Reports for Groundwater Irrigation Scheme in Jawa"
DEFINE BAR 9 OF gw PROMPT CENT STR("Bali & NT", 19);
   MESSAGE "Print Reports for Groundwater Irrigation Scheme in Bali & Musa Tenggara"
DEFINE BAR 11 OF gw PROMPT CENT_STR("Kalimantan", 19);
   MESSAGE "Print Reports for Groundwater Irrigation Scheme in Kalimantan"
DEFINE BAR 13 OF gw PROMPT CENT_STR("Sulaweei",19);
   MESSAGE "Print Reports for Groundwater Irrigation Scheme in Sulawesi"
DEFINE BAR 15 OF gw PROMPT CENT_STR("Maluku & IJ",19);
   MESSAGE "Print Reports for Groundwater Irrigation Scheme in Maluku & Triyan Jaya"
DEFINE BAR 17 OF 9w PROMPT CENT_STR("Return", 19);
   MESSAGE "RETURN to Print Report Main Menu"
ON SELECTION POPUP gw DO REGION
RETURN
* End-of-procedure : MEN_CREA
PROC M CASES
* PROCEDURE NAME : MEN CASES
* DESCRIPTION
                : CONTROL POPUP MENU TO SELECT TYPE OF SCHEME IN PRINT REPORT SUB-SYFTEM
DO CASE
   CASE BAR() = 5
      MODULE = 'MNU S'
      ACTIVATE POPUP SAWA
   CASE BAR() = 7
MODULE = 'MNU R'
      ACTIVATE POPUP RAWA
   CASE BAR() = 9
MODULE = 'MNU_G'
      ACTIVATE POPUP ON
   CASE BAR() = 11
      DEACTIVATE POPUP
      RELEASE POPUP SAWA
      RELEASE POPUP RAWA
      RELEASE POPUP GW
ENDCASE
* End-of-procedure : MEN CASES
PROC REGION
* PROCEDURE NAME : REGION
* DESCRIPTION
                 : CONTROL POPUP MENU TO SELECT REGION TO PRINT
DO CASE
   CASE BAR() = 5
      DO MNU_01
      ACTIVATE POPUP MNU 01
   CASE BAR() = 7
      DO MNU 03
      ACTIVATE POPUP MNU 03
   CASE BAR() = 9
     DO MNU 05
      ACTIVATE POPUP MNU 05
   CASE BAR() = 11
     DO MNU_06.
      ACTIVATE POPUP MNU 06
   CASE BAR() = 13
     DO MNU 07
      ACTIVATE POPUP MNU 07
   CASE BAR() = 15
     DO MNU 08
     ACTIVATE POPUP MNU 08
   CASE BAR() = 17
     DEACTIVATE POPUP
     RETURN
ENDCASE
RETURN
* End-of-procedure : REGION
PROC MNU_01
```

```
* PROCEDURE NAME : MNU 01
                 : DEFINE POPUP MENU TO SELECT PROVINCE IN SUMATERA
* DESCRIPTION
DEFINE POPUP MNU_01 FROM 8,17 TO 23,37
DEFINE BAR 2 OF MNU_01 PROMPT CENT_STR("Sumatera",19) SKIP
DEFINE BAR 3 OF MNU_01 PROMPT REPL(CHR(205),19) SKIP
DEFINE BAR 5 OF MNU_01 PROMPT "A. D.I.Aceh";
  MESSAGE "Print Reports in D.I.Aceh"
DEFINE BAR 6 OF MNU_01 PROMPT "B. Sumatera Utara";
   MESSAGE "Print Reports in Sumatera Utara"
DEFINE BAR 7 OF MNU_01 PROMPT "C. Sumatera Barat";
  MESSAGE "Print Reports in Sumatera Barat"
DEFINE BAR 8 OF MNU_01 PROMPT "D. Riau";
   MESSAGE "Print Reports in Riau"
DEFINE BAR 9 OF MNU_01 PROMPT "E. Jambi";
  MESSAGE "Print Reports in Jambi"
DEFINE BAR 10 OF MNU_01 PROMPT "F. Sumatera Selatan";
   MESSAGE "Print Reports in Sumatera Selatan"
DEFINE BAR 11 OF MNU 01 PROMPT "G. Bengkulu";
  MESSAGE "Print Reports in Bengkulu"
DEFINE BAR 12 OF MNU_01 PROMPT "H. Lampung";
   MESSAGE "Print Reports in Lampung"
DEFINE BAR 13 OF MNU_01 PROMPT "I. Return";
   MESSAGE "RETURN to main menu"
ON SELECTION POPUP MNU_01 DO REGION_1
* End-of-procedure : MNU_01
PROC MNU 03
* PROCEDURE NAME : MNU_03
                 : DEFINE POPUP MENU TO SELECT PROVINCE IN JAWA
* DESCRIPTION
DEFINE POPUP MNU_03 FROM 8,17 TO 20,37
DEFINE BAR 2 OF MNU_03 PROMPT CENT_STR("Jawa",19) SKIP
DEFINE BAR 3 OF MNU 03 PROMPT REPL(CHR(205),19) SKIP
DEFINE BAR 5 OF MNU 03 PROMPT "A. D.K.I.Jakarta";
   MESSAGE "Print Reports in D.K.I.Jakarta"
DEFINE BAR 6 OF MNU_03 PROMPT "B. Jawa Barat";
   MESSAGE "Print Reports in Jawa Barat"
DEFINE BAR 7 OF MNU_03 PROMPT "C. Jawa Tengah";
   MESSAGE "Print Reports in Jawa Tengah"
DEFINE BAR 8 OF MNU_03 PROMPT "D. D.I.Yogyakarta";
   MESSAGE "Print Reports in D.I.yogyakarta"
DEFINE BAR 9 OF MNU_03 PROMPT "E. Jawa Timur";
   MESSAGE "Print Reports in Jawa Timur"
DEFINE BAR 10 OF MNU_03 PROMPT "F. Return";
   MESSAGE "Return to previous menu"
ON SELECTION POPUP MNU_03 DO REGION_3
RETURN
 * End-of-procedure : MNU_03
PROC MNU 05
 * PROCEDURE NAME : MNU_05
                  : DEFINE POPUP MENU TO SELECT PROVINCE IN BALL & NUSA TENGGARA
 * DESCRIPTION
DEFINE POPUP MNU_05 FROM 8,17 TO 19,41
DEFINE BAR 2 OF MNU_05 PROMPT CENT_STR("Bali & Musa Tenggara",23) SKIP
 DEFINE BAR 3 OF MNU 05 PROMPT REPL(CHR(205),23) SKIP
DEFINE BAR 5 OF MNU_05 PROMPT "A. Bali";
   MESSAGE "Print Reports in Bali"
 DEFINE BAR 6 OF MNU_05 PROMPT "B. Nusa Tenggara Barat";
   MESSAGE "Print Reports in Nusa Tenggara Barat"
 DEFINE BAR 7 OF MNU_05 PROMPT "C. Musa Tenggara Timur";
   MESSAGE "Print Reports in Nusa Tenggara Timur"
 DEFINE BAR 8 OF MNU_05 PROMPT "D. Timor Timur";
   MESSAGE "Print Reports in Timor Timur"
 DEFINE BAR 9 OF MNU_05 PROMPT "E. Return";
   MESSAGE "Return to previous menu"
 ON SELECTION POPUP MNU_05 DO REGION_5
RETURN
 * End-of-procedure : MNU_05
 PROC MNU 06
 * PROCEDURE NAME : MNU_06
                  : DEFINE POPUP MENU TO SELECT PROVINCE IN KALIMANTAN
 * DESCRIPTION
DEFINE POPUP MNU_06 FROM 8,17 TO 19,40
DEFINE BAR 2 OF MNU_06 PROMPT CENT_STR("Kalimantan",22) SKIP
```

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DEFINE BAR 3 OF MNU_06 PROMPT REPL(CHR(205),22) SKIP
DEFINE BAR 5 OF MNU_06 PROMPT "A. Kalimantan Barat";
   MESSAGE "Print Reports in Kalimantan Barat"
DEFINE BAR 6 OF MNU 06 PROMPT "B. Kalimantan Tengah";
   MESSAGE "Print Reports in Kalimantan Tengah"
DEFINE BAR 7 OF MNU 06 PROMPT "C. Kalimantan Selatan";
   MESSAGE "Print Reports in Kalimantan Selatan"
DEFINE BAR 8 OF MNU 06 PROMPT "D. Kalimantan Timur";
   MESSAGE "Print Reports in Kalimantan Timur"
DEFINE BAR 9 OF MNU 06 PROMPT "E, Return";
   MESSAGE "Return to previous menu"
ON SELECTION POPUP MNU 06 DO REGION 6
* End-of-procedure : MNU 06
PROC MNU 07
* PROCEDURE NAME : MNU 07
* DESCRIPTION
                 : DEFINE POPUP MENU TO SELECT PROVINCE IN SULAWEST
DEFINE POPUP MNU 07 FROM 8,17 TO 19,39
DEFINE BAR 2 OF MNU_07 PROMPT CENT_STR("Sulaweei",21) SKIP
DEFINE BAR 3 OF MNU 07 PROMPT REPL(CHR(205),21) SKIP
DEFINE BAR 5 OF MNU 07 PROMPT "A. Sulaweei Utara";
   MESSAGE "Print Reports in Sulawesi Utara"
DEFINE BAR 6 OF MNU 07 PROMPT "B. Sulawesi Tengah";
   MESSAGE "Print Reports in Sulawesi Tengah"
DEFINE BAR 7 OF MNU 07 PROMPT "C. Sulawesi Selatan";
   MESSAGE "Print Reports in Sulawesi Selatan"
DEFINE BAR 8 OF MNU 07 PROMPT "D. Sulawesi Tenggara";
   MESSAGE "Print Reports in Sulawesi Tenggara"
DEFINE BAR 9 OF MNU 07 PROMPT "E. Return";
MESSAGE "Return to previous menu"
ON SELECTION POPUP MNU_07 DO REGION_7
RETURN
* End-of-procedure : MNU_07
PROC MNU 08
* PROCEDURE NAME : MNU 08
* DESCRIPTION
                  : DEFINE POPUP MENU TO SELECT PROVINCE IN MALUKU & IRIAN JAYA
DEFINE POPUP MNU_08 FROM 8,17 TO 17,39
DEFINE BAR 2 OF MNU 08 PROMPT CENT STR("Maluku & Irian Jaya",21) SKIP
DEFINE BAR 3 OF MNU 08 PROMPT REPL(CHR(205),21) SKIP
DEFINE BAR 5 OF MNU 08 PROMPT "A. Maluku";
   MESSAGE "Print Reports in Maliku"
DEFINE BAR 6 OF MNU 08 PROMPT "B. Iriyan Jaya";
   MESSAGE "Print Reports in Iriyan Jaya"
DEFINE BAR 7 OF MNU 08 PROMPT "C. Return";
MESSAGE "Return to previous menu"
ON SELECTION POPUP MNU_08 DO REGION_8
* End-of-procedure : MNU 08
PROC REGION 1
 PROCEDURE NAME : REGION 1
* DESCRIPTION
                : CONTROL POPUP MENU TO SELECT PROVINCE IN SUMATERA
DO CASE
   CASE BAR() = 5
      QP NO='11'
      QP NAME D.I.Aceh
   CASE BAR() = 6
      QP_NO='12'
      QP_NAME='Sumatera Utara'
   CASE BAR() = 7
      QP NO='13'
      OP NAME='Sumatera Barat'
   CASE \overline{BAR}() = 8
      QP_NO='14'
      QP_NAME='Riau'
   CASE BAR() = 9
      QP NO='15'
      QP NAME='Jambi'
   CASE BAR() = 10
      QP_NO='16'
      QP_NAME='Sumatera Selatan'
   CASE \overline{BAR}() = 11
      QP NO='17'
      QP_NAME='Bengkulu'
```

```
Sample of Computer Program
Main Menu Control Program
   CASE BAR() = 12

ΩP_NO='18'
   QP_NAME='Lampung'
CASE BAR() = 13
      DEACTIVATE POPUP
      RELEASE POPUP MNU_01
      RETURN
ENDCASE
DO &MODULE
ACTIVATE POPUP &MODULE
RETURN
* End-of-procedure : REGION_1
PROC REGION_3
* PROCEDURE NAME : REGION_3
                   : CONTROL POPUP MENU TO SELECT PROVINCE IN JAWA
* DESCRIPTION
DO CASE
    CASE BAR() = 5
       QP_NO='31'
       QP_NAME='D.K.I.Jakarta'
    CASE \overline{BAR}() = 6
       QP_NO='32'
       QP_NAME='Jawa Barat'
    CASE BAR() = 7
       QP_NO='33'
       QP_NAME='Jawa Tengah'
    CASE BAR() = 8
       QP_NO=1341
       QP_NAME='D.I.Yogyakarta'
    CASE \overline{BAR}() = 9
       QP_NO='35'
       QP_NAME='Jawa Timur'
    CASE BAR() = 10
       DEACTIVATE POPUP
       RELEASE POPUP MNU_03
       RETURN
 ENDCASE
 DO EMODULE
 ACTIVATE POPUP &MODULE
 RETURN
 * End-of-procedure : REGION_3
 PROC REGION 5
 * PROCEDURE NAME : REGION_5
                  : CONTROL POPUP MENU TO SELECT PROVINCE IN BALI & NUSA TENGGARA
 * DESCRIPTION
 DO CASE
    CASE BAR() = 5
       QP_NO='51'
        QP_NAME='Bali'
    CASE \overline{BAR}() = 6
        QP_NO='52'
        QP NAME='Nusa Tenggara Barat'
    CASE BAR() = 7
        QP_NO= 1531
        QP_NAME='Nusa Tenggara Timur'
    CASE \overline{BAR}() = 8
        QP_NO='54'
        QP_NAME='Timor Timur'
    CASE BAR() = 9
       DEACTIVATE POPUP
        RELEASE POPUP NMU_05
        RETURN
 ENDCASE
 DO &MODULE
 ACTIVATE POPUP &MODULE
 RETURN
 * End-of-procedure : REGION_5
 PROC REGION_6
  * PROCEDURE NAME : REGION_5
                    : CONTROL POPUP MENU TO SELECT PROVINCE IN KALIMANTAN
  * DESCRIPTION
 DO CASE
     CASE BAR() = 5
        QP_NO='61'
        QP_NAME='Kalimantan Barat'
     CASE \overline{B}AR() = 6
```

```
QP NO='62'
        QP_NAME='Kalimantan Tengah'
     CASE BAR() = 7
        QP NO=1631
        QP_NAME='Kalimantan Selatan'
    CASE BAR() = 8
        QP_NO=1641
        QP_NAME='Kalimantan Timur'
    CASE BAR() = 9
        DEACTIVATE POPUP
        RELEASE POPUP NMU 06
       RETURN
 ENDCASE
 DO &MODULE
 ACTIVATE POPUP &MODULE
 REPURN
 * End-of-procedure : REGION_6
 PROC REGION_7
 * PROCEDURE NAME : REGION_7
 * DESCRIPTION
                    : CONTROL POPUP MENU TO SELECT PROVINCE IN SULAWESI
 DO CASE
    CASE BAR() = 5
       QP_NO='71'
    QP_NAME='Sulawesi Utara'
CASE BAR() = 6
       QP_NO='72'
    QP_NAME='Sulawesi Tengah'
CASE BAR() = 7
       QP_NO≃'73'
       QP_NAME='Sulawesi Selatan'
    CASE BAR() = 8
       QP_NO='74'
       QP_NAME='Sulawesi Tenggara'
    CASE \overline{BAR}() = 9
       DEACTIVATE POPUP
       RELEASE POPUP NMU 07
       RETURN
ENDCASE
DO &MODULE
ACTIVATE POPUP &MODULE
RETTIRN
* End-of-procedure : REGION_7
PROC REGION_8
* PROCEDURE NAME : REGION_8
* DESCRIPTION
                   : CONTROL POPUP MENU TO SELECT PROVINCE IN MALUKU & IRIAN JAYA
DO CASE
    CASE BAR() = 5
       QP_NO='81'
       QP_NAME='Maluku'
    CASE BAR() = 6
       QP_NO='82'
   QP_NAME='Irian Jaya'
CASE BAR() = 7
       DEACTIVATE POPUP
       RELEASE POPUP NMU_08
       RETURN
ENDCASE
DO &MODULE
ACTIVATE POPUP &MODULE
RETURN
* End-of-procedure : REGION_8
PROC MNU S
  PROCEDURE NAME : MNU_S
                   : DEFINE POPUP MENU TO SELECT PRINT FORMAT IN SURFACE IRRGATION SCHEME
* DESCRIPTION
DEFINE POPUP MNU_S FROM 4,40 TO 22,77
DEFINE BAR 2 OF MNU S PROMPT CENT STR("Item to Print", 36) SKIP
DEFINE BAR 3 OF MNU S PROMPT REPL(CHR(205),36) SKIP
DEFINE BAR 5 OF MNU_S PROMPT "A. Scheme History (Summary)";
MESSAGE "Print Reports of Scheme History (Summary)"
DEFINE BAR 6 OF MNU_S PROMPT "B. Scheme History (Current O/M)";
MESSAGE "Print Reports of Scheme History (Current O/M)"
DEFINE BAR 7 OF MNU S PROMPT "C. Scheme History (On-Going)";
MESSAGE "Print Reports of Scheme History (On-Going)"
```

```
Sample of Computer Program
Main Menu Control Program
```

```
DEFINE BAR 8 OF MNU_S PROMPT "D. Scheme History (Proposed)";
  MESSAGE "Print Reports of Scheme History (Proposed)
DEFINE BAR 9 OF MNU S PROMPT "E. Present Condition of Area (No.1)";
   MESSAGE "Print Reports of Present Condition of Area (No.1)"
DEFINE BAR 10 OF MNU S PROMPT "F. Present Condition of Area (No.2)";
   MESSAGE "Print Reports of Present Condition of Area (No.2)"
DEFINE BAR 11 OF MNU S PROMPT "G. Area Condition after Works (No.1)";
   MESSAGE "Print Reports of Area Condition after Works (No.1)"
DEFINE BAR 12 OF MNU_S PROMPT "H. Area Condition after Works (No.2)";
MESSAGE "Print Reports of Area Condition after Works (No.2)"
DEFINE BAR 13 OF MNU_S PROMPT "I. Length of Canals";
   MESSAGE "Print Reports of Length of Canals"
DEFINE BAR 14 OF MNU S PROMPT "J. Cost (No.1)";
   MESSAGE "Print Reports of Cost (No.1)"
DEFINE BAR 15 OF MNU S PROMPT "K. Cost (No.2)";
   MESSAGE "Print Reports of Cost (No.2)"
DEFINE BAR 16 OF MNU S PROMPT "L. Head Works & Environment";
   MESSAGE "Print Reports of Head Works & Environment"
DEFINE BAR 17 OF MNU S PROMPT "M. Return";
   MESSAGE "RETURN to main menu"
ON SELECTION POPUP MNU S DO ACTION S
RETURN
  End-of-procedure : MNU S
PROC ACTION S
  PROCEDURE NAME : ACTION_S
                  : CONTROL POPUP MENU TO SELECT PRINT FORMAT IN SURFACE IRRGATION SCHEME
* DESCRIPTION
DO CASE
   CASE BAR() = 5
      QMENU='01'
   CASE BAR() = 6
      QMENU='02'
   CASE BAR() = 7
      OMENU='03'
   CASE BAR() = 8
      OMENU='04'
   CASE BAR() = 9
      QMENU='05'
   CASE BAR() = 10
      QMENU='06'
   CASE BAR() = 11
      OMENU= 107 1
   CASE BAR() = 12
      QMENU='08'
    CASE BAR() = 13
      QMENU='09'
    CASE BAR() = 14
      QMENU='10'
    CASE BAR() = 15
       QMENU='11'
    CASE BAR() = 16
       QMENU='12'
    CASE BAR() = 17
       DEACTIVATE POPUP
       RELEASE POPUP MNU S
       RETURN
 ENDCASE
 DO PRT S
 RETURN
 * End-of-procedure : ACTION_S
 PROC MNU R
 * PROCEDURE NAME : MNU_R
                   : DEFINE POPUP MENU TO SELECT PRINT FORMAT IN SWAMP IRROATION SCHEME
 * DESCRIPTION
 DEFINE POPUP MNU_R FROM 4,40 TO 17,73
 DEFINE BAR 2 OF MNU R PROMPT CENT STR ("Item to Print", 32) SKIP
             3 OF MNU R PROMPT REPL (CHR (205), 32) SKIP
 DEFINE BAR
 DEFINE BAR 5 OF MNU R PROMPT "A. Scheme History (Summary)";
    MESSAGE "Print Reports of Scheme History (Summary)"
 DEFINE BAR 6 OF MNU_R PROMPT "B. Scheme History (Current O/M)";
MESSAGE "Print Reports of Scheme History (Current O/M Scheme)"
 DEFINE BAR 7 OF MNU_R PROMPT "C. Scheme History (Program)";
    MESSAGE "Print Reports of Scheme History (Programed Scheme)"
 DEFINE BAR 8 OF MMU_R PROMPT "D. Scheme Area";
    MESSAGE "Print Reports of Scheme Area"
 DEFINE BAR 9 OF MNU_R PROMPT "E. Length of Canals";
    MESSAGE "Print Reports of Canal Length"
```

```
DEFINE BAR 10 OF MNU_R PROMPT "F. Cost";
   MESSAGE "Print Reports of Cost"
DEFINE BAR 11 OF MNU R PROMPT "G. Environment";
MESSAGE "Print Reports of Environment"
DEFINE BAR 12 OF MNU R PROMPT "H. Return";
MESSAGE "RETURN to main menu"
ON SELECTION POPUP MNU_R DO ACTION_R
REPURN
* End-of-procedure : MNU_R
PROC ACTION R
* PROCEDURE NAME : ACTION_R
                  : CONTROL POPUP MENU TO SELECT PRINT FORMAT IN SWAMP IRRGATION SCHEME
* DESCRIPTION
DO CASE
   CASE BAR() = 5
      OMENU='01'
   CASE BAR() = 6
      QMENU='02'
   CASE BAR() = 7
      OMENU=1031
   CASE BAR() = 8
      QMENU=1041
   CASE BAR() = 9
      QMENU='05'
   CASE BAR() = 10
      QMENU='06'
   CASE BAR() = 11
      QMENU='07'
   CASE BAR() = 12
      DEACTIVATE POPUP
      RELEASE POPUP NMU_R
      RETURN
ENDCASE
DO PRT_R
RETURN
* End-of-procedure : ACTION_R
PROC MNU G
* PROCEDURE NAME : MNU G
                 : DEFINE POPUP MENU TO SELECT PRINT FORMAT IN GROUNDWATER IRRGATION SCHEME
* DESCRIPTION
DEFINE POPUP MNU_G FROM 4,40 TO 12,73
DEFINE BAR 2 OF MNU G PROMPT CENT_STR("Item to Print", 32) SKIP
DEFINE BAR 3 OF MNU_G PROMPT REPL(CHR(205),32) SKIP
            5 OF MNU G PROMPT "A. Scheme History";
DEFINE BAR
   MESSAGE "Print Reports of Scheme History (Summary)"
DEFINE BAR 6 OF MNU G PROMPT "B. Others";
MESSAGE "Print Reports of Area, Canal Length, and Cost" DEFINE BAR 7 OF MNU_G PROMPT "C. Return";
   MESSAGE "RETURN to main menu"
ON SELECTION POPUP MNU_G DO ACTION_G
RETURN
* End-of-procedure : MNU_G
PROC ACTION G
* PROCEDURE NAME : ACTION_G
                  : CONTROL POPUP MENU TO SELECT PRINT FORMAT IN GROUNDWATER IRRGATION SCHEME
* DESCRIPTION
DO CASE
   CASE BAR() = 5
      QMENU='01'
   CASE BAR() = 6
      OMENU='02'
   CASE BAR() = 7
      DEACTIVATE POPUP
      RELEASE WINDOW MNU_G
      RETURN
ENDCASE
DO PRT_S
RETURN
* End-of-procedure : ACTION_R
PROC printset
* PROCEDURE NAME : PRINTSET
                  : PROMPT USER TO BE SURE PRINTER IS IN ON-LINE WHEN IT IS IN OFF-LINE
* DESCRIPTION
PARAMETER ok
```

```
Main Menu Control Program
gn_pkey = 0
DEFINE WINDOW printemp FROM 08,25 to 17,56
IF .NOT. LASTKEY() = 27
   ON ERROR DO printrtry WITH ok
IF gn pkey (> 27
      SET DEVICE TO PRINT
   ENDIF
   ON ERROR
ENDIF
RELEASE WINDOW printemp
RETURN
* End-of-procedure : PRINTSET
PROC prntrtry
* PROCEDURE NAME : PRITRTRY
                    : PROMPT USER TO BE SURE PRINTER IS IN ON-LINE WHEN IT IS IN OFF-LINE
* DESCRIPTION
PARAMETER ok
PRIVATE lc_escape
lc_eecape = SET("ESCAPE")
IF .NOT. PRINTSTATUS()
    IF lc_escape = 'ON'
SET ESCAPE OFF
    ENDIF
    gn_pkey = 0
    ACTIVATE WINDOW printemp
    2 1, 0 SAY 'Please ready your printer or'
2 2, 0 SAY ' press ESC to cancel'
    2, 0 SAY ' press ESC to cancel'
DO WHILE (.NOT. PRINTSTATUS()) .AND. gn_pkey <> 27
       gn_pkey = INKEY()
    EMDDO
    DEACTIVATE WINDOW printemp
    SET ESCAPE &lc_escape
    IF gn_pkey <> 27
       RETRY
    ELSE
       ok = .F.
    ENDIF
ENDIF
RETURN
 * End-of-procedure : PRNTRTRY
 PROC errpause
 * DESCRIPTION : DISPLAY MESSAGE WHEN ERROR OCCURS
PARAMETER errmsgl, errmsg2
ACTIVATE WINDOW Pause
? CHR/7)
 ? CHR(7)
 © 02, 01 SAY errmsg2
WAIT ' Press any key to continue'
 DEACTIVATE WINDOW Pause
 RETURN
 * End-of-procedure : ERRPAUSE
 PROC pristp
 * PROCEDURE NAME : PRTSTP
                   : CANCEL PRINTING
 * DESCRIPTION
 @ prow()+1, 0 say chr(18)
 EJECT
 SET DEVICE TO SCREEN
 ACTIVATE WINDOW Pause
 ? CHR(7)
 @ 01, 25 SAY '<<<<< PRINT CANCEL >>>>>
 @ 03, 25 SAY ' All process is cancelled' WAIT ' Press any key to continue'
 DEACTIVATE WINDOW Pause
 CLOSE DATABASES
 DEACTIVATE WINDOW COVER
 *DEACTIVATE POPUP
 *RELEASE ALL
 *CLOSE ALL
```

Sample of Computer Program

*CLEAR

RETURN TO MASTER

```
* End-of-procedure : PRTSTP
 PROC prtmsg
 * PROCEDURE NAME : PRIMSG
 * DESCRIPTION
                  : DISPLAY MESSAGE WHILE PRINTING
 PARAMETER OK
 IF OK
    ACTIVATE WINDOW Pause
    @ 01, 25 SAY '<<<<<< PRINTING >>>>>'
@ 02, 00 SAY 'Press (Esc) to cancel print'
 ELSE
   DEACTIVATE WINDOW Pauce
 ENDIF
 RETURN
 * End-of-procedure : PRTMSG
 * End-of-file : MENU_R.PRG
 * PROCEDURE NAME : MENU3.PRG
  DESCRIPTION : MAIN MENU OF SYSTEM MAINTENANCE
* PREPARED BY : Takuya IGAWA, JICA FIDP Team
* PREPARED ON : August 4 1999
  PROCEDURE
 ********
IF SET("TALK") = "ON"
   SET TALK OFF
    lc_talk = "ON"
ELSE
   lc_talk = "OFF"
ENDIF
lc_cursor = SET("CURSOR")
SET CURSOR ON
lc_etatus = SET("STATUS")
IF lc_status = "ON"
  SET STATUS OFF
ENDIF
SET SCOREBOARD OFF
set safety off
set bell on
set confirm on
DEFINE WINDOW COVER FROM 0,0 TO 24,79 NONE
DEFINE WINDOW PAUSE FROM 15,00 TO 21,79 DOUBLE
STORE .T. TO LOOPA, LOOPB
*IF ISCOLOR()
  SET COLOR TO GR+/B, N/BG
    SET COLOR OF BOX TO GR+/B
*ENDIF
*IF ISCOLOR()
    COL1='SET COLOR TO W/R'
    COL2='SET COLOR TO R/W'
    COLO='SET COLOR TO W/B'
*ELSE
   COLO='SET COLOR TO'
   COLI='SET COLOR TO N/W'
   COL2='SET COLOR TO N/W'
*ENDIF
CLEAR
@ 1, 20 SAY 'JAPAN INFERNATIONAL COOPERATION AGENCY (JICA)'
@ 3, 20 SAY 'Formulation of Irrigation Development Program'
&COLL
@ 23,15 SAY 'To Select Item, Use '+CHR(24)+' '+CHR(25)+' Key and Press <ENTER> Key'
&COL0
DO MEN CREA
ACTIVATE POPUP MAIN
IF lc_status = "OFF"
   SET STATUS OFF
ENDIF
SET CURSOR &lc_cursor
SET TALK &lc_talk
CLEAR ALL
CLEAR
```

RETURN

```
FUNCTION CENT STR
PARAMETERS STRING, STLEN
PRIVATE RET VAL, LPAD, TPAD
LPAD = INT((STLEN-LEN(LTRIM(TRIM(STRING))))/2)
TPAD = STLEN - LPAD - LEN(LITRIM(TRIM(STRING)))
RET_VAL = SPACE(LPAD) + LITRIM(TRIM(STRING)) + SPACE(TPAD)
RETURN RET VAL
PROC MEN_CREA
* PROCEDURE NAME : MEN CREA
                   : DEFINE POPUP MENU TO SELECT MENU IN SYSTEM MAINTENANCE SUB-SYSTEM
* DESCRIPTION
DEFINE POPUP MAIN FROM 6,20 TO 20,60
DEFINE BAR 2 OF MAIN PROMPT CENT_STR("System Maintenence", 39) SKIP
DEFINE BAR 3 OF MAIN PROMPT REPL(CHR(205),39) SKIP
DEFINE BAR 5 OF MAIN PROMPT CENT_STR("Data Backup", 39);
MESSAGE "Backup database file to floppy disk"
DEFINE BAR 7 OF MAIN PROMPT CENT_STR("Data Restore",39);
   MESSAGE "Restore data from floppy disk"
DEFINE BAR 9 OF MAIN PROMPT CENT_STR("File Cleaning", 39);
   MESSAGE "Cleaning database file"
DEFINE BAR 11 OF MAIN PROMPT CENT STR("Show information", 39);
MESSAGE "Show information of database file"
DEFINE BAR 13 OF MAIN PROMPT CENT STR("Quit", 39);
   MESSAGE "Terminate this program and go back to the DOT prompt"
ON SELECTION POPUP MAIN DO M CASES
RETURN
 * End-of-procedure : MEN_CREA
 PROC M CASES
 * PROCEDURE NAME : M CASES
                 : CONTROL POPUP MENU TO SELECT MENU IN SYSTEM MAINTENANCE SUB-SYSTEM
 * DESCRIPTION
 DO CASE
    CASE BAR() = 5
       do menu31
    CASE BAR() =
       do menu32
    CASE BAR() = 9
       do menu33
    CASE BAR() = 11
        do menu34
    CASE BAR() = 13
       DEACTIVATE POPUP
 ENDCASE
 RETURN
 * End-of-procedure : M_CASES
 * EOF OF MENU3.PRG
```

```
* PROCEDURE NAME : GREG.PRG
                : Entry of record for groundwater irrigation scheme
* DESCRIPTION
* PROCEDURE
                 : MASTERL, LEGEND, DIRECT
ACTIVATE WINDOW COVER
USE GW ORDER ID NO
DO WHILE .T.
   CLEAR
   &COL1
   @ 1,10 SAY 'JAPAN INTERNATIONAL COOPERATION AGENCY'
     3,10 SAY 'Formulation of Irrigation Development Program (FIDP)'
5,10 SAY 'Inventory Survey'
     7,10 SAY 'Groundwater Irrigation Scheme'
     9,10 SAY '(Data Entry)'
   ₹COTO
   STORE SPACE(30) TO Q_NAME
   STORE SPACE(11) TO Q ID NO
@ 15, 10 SAY ' ID Number:
                                     GET Q ID NO
   © 22, 10 say 'Enter ID Number'
© 23, 10 SAY 'Press (Enter) to quit menu'
   READ
   IF Q ID NO = SPACE(9)
       DO RENUMBER
      CLOSE DATABASES
      USE INFO
      GOTO 4
      REPL DATES WITH DATE()
      USE
      DEACTIVATE WINDOW COVER
      RETURN
   ENDIF
   SEEK Q ID NO
   IF .NOT. EOF()
      ? CHR(7)
      @ 22, 10 CLEAR
      &COL1
      @ 22, 10 SAY 'Data of '+ TRIM(Q_ID_NO) + ' already exists in master file !'
      @ 23, 10 say 'Please check I.D.Number again'
      &COL0
      WAIT
      LOOP
   ENDIF
   @ 17, 10 clear
   @ 17, 10 SAY ' Name of Scheme: GET Q_NAME
   @ 22, 10 say 'Enter Scheme name'
   READ
   CLEAR GETS
   DO MASTERL
ENDDO
PROC MASTER1
* PROCEDURE NAME : MASTER1
* DESCRIPTION : MAIN BODY OF DATA ENTRY FOR GROUNDWATER IRIGATION SCHEME
@ 0, 0 SAY ' ID NO.:
                                             NAME OF SCHEME:
&COL1
@ 0, 10 SAY Q_ID_NO
@ 0, 45 SAY Q_NAME
€COT0
STORE .T. TO LOOP2
STORE .T. TO INPO
STORE .F. TO INP1, INP2, INP3, INP4, INP5, INP6
DO WHILE LOOP2
DO WHILE INPO
   QQlla =Qlla
   QQ11b =Q11b
   QQ12a =Q12a
   QQ12b =Q12b
   QQ131a=Q131a
```

```
QQ131b=Q131b
  QQ132a=Q132a
  QQ132b=Q132b
  QQ133a=Q133a
  QQ133b=Q133b
  QQ134a=Q134a
  QQ134b=Q134b
  QQ135a=Q135a
  00135b=0135b
  00136a=0136a
  QQ136b=Q136b
  QQ137a=Q137a
  QQ137b=Q137b
  00139a=0138a
  QQ138b=Q138b
  QQ21a =Q21a
QQ21b =Q21b
   QQ221a1=Q221a1
  QQ221a2=Q221a2
   QQ221b1=Q221b1
   QQ221b2=Q221b2
   QQ221c1=Q221c1
   QQ221c2=Q221c2
   QQ221d1=Q221d1
   QQ221d2=Q221d2
  QQ222 =Q222
QQ231a1=Q231a1
   QQ231b1=Q231b1
   QQ231b2=Q231b2
   QQ231cl=Q231cl
   QQ231c2=Q231c2
   QQ231d1=Q231d1
   QQ231d2=Q231d2
   QQ231e1=Q231e1
  QQ231e2=Q231e2
QQ232 =Q232
   QQ31a=Q31a
   QQ31b=Q31b
QQ32a=Q32a
   QQ32b=Q32b
QQ33a=Q33a
   QQ33b=Q33b
   QQ34a=Q34a
   QQ34b=Q34b
   QQ35a=Q35a
   0035b=035b
   QQ4la=Q4la
   QQ41b=Q41b
   QQ42a=Q42a
   QQ42b=Q42b
   QQ511=Q511
   00512=0512
   QQ52 =Q52
   QQ53 =Q53
   STORE .F. TO INPO
STORE .T. TO INPI
ENDDO
DO WHILE INP1
   *-- Format Page: 1
   @ 1, 0 CLEAR TO 19, 79
   0 1, 0 SAY "1.0 3, 0 SAY "1.1
                            LOCATION<sup>®</sup>
                             Province:"
      4, 0 SAY "
                                      Code
      4,25 SAY "
                            Name "
      6, 0 SAY "1.2
7, 0 SAY "
                             Kabupaten:"
      7,27 SAY "
                         Name "
   @ 9, 0 SAY "1.3
@ 10, 0 SAY "
@ 10,16 SAY "Code"
                             Kecamatan: "
                             1.
   @ 10,20 SAY "
   @ 10,29 SAY "
                             п
                       Name
                             2.
                                       Code
   @ 11, 0 SAY
   @ 11,29 SAY "
                       Name
                             11
   @ 12, 0 SAY "
@ 12,29 SAY "
                             3.
                                       Code
                       Name
   @ 13, 0 SAY "
@ 13,29 SAY "
                             4.
                                       Code
                       Name
```

```
@ 14, 0 SAY "
                           Code
  @ 14,29 SAY "
                Name
   @ 15, 0 SAY "
                           Code
   @ 15,29 SAY "
                Name
   @ 16, 0 SAY "
                    7
                           Code
  @ 16,29 SAY *
                Name
   @ 17, 0 SAY "
                           Code
   @ 17,29 SAY "
                Name
  DO LEGEND
   *STORE SPACE(2) TO QQ11A
   *STORE SPACE(4) TO QQ12A
   *STORE SPACE(6) TO QQ131A,QQ132A,QQ133A,QQ134A,QQ135A,QQ136A,QQ137A,QQ138A
   *STORE SPACE(20) TO QQ11B,QQ12B,QQ131B,QQ132B,QQ133B,QQ134B,QQ135B,QQ136B,QQ137B,QQ138B
    4,23 GET QQ11a PICT "XX"
     7,23 GET QQ12a
                  PICT "XXXX"
    @ 10,23 GET QQ131a PICT "XXXXXX"
  @ 11,23 GET QQ132a PICT "XXXXXXX"
  @ 12,23 GET QQ133a PICT "XXXXXX"
  @ 13,23 GET QQ134a PICT "XXXXXX"
  @ 14,23 GET QQ135a PICT "XXXXXX"
  @ 15,23 GET QQ136a PICT "XXXXXX"
  @ 16,23 GET QQ137a PICT "XXXXXX"
  @ 17,23 GET QQ138a PICT "XXXXXX"
  READ
  ok = .r.
  DO DIRECT WITH OK, SPACE(1), 'INP2'
  IF .NOT. OK
     LOOP
  ENDIF
  STORE .F. TO INPL
  EXIT
ENDDO
DO WHILE INP2
  *-- Format Page: 2
    1, 0 CLEAR
    1, 0 SAY "2.STATUS OF SCHEME"
    3, 0 SAY "2.1
                 Select Present Status of Sub-project (not limited to one answer):
                    () On-going/Construction or Extension<sup>a</sup>
() Proposed/Construction or Extension<sup>a</sup>
    4, 0 SAY "
    5, 0 SAY "
    7, 0 SAY "2.2
                    On-going/Construction or Extension:"
    9, 0 SAY "2.2.1
                    History"
  @ 10, 0 SAY "
                    ( ) F/S for construction was conducted in 19"
  @ 11, 0 SAY "
                        D/D for construction was conducted in 19"
  @ 12, 0 SAY "
                        Construction was commenced in 19"
  @ 13, 0 SAY "
                    ( )
                        Construction was suspended in 19"
  @ 15, 0 SAY "2.2.2"
                  Lending Agency: "
  DO LEGEND
  *store space(1) to qq2la,qq2lb,qq22la1,qq22lb1,qq22lc1,qq22ld1
  *store space(2) to qq221a2,qq221b2,qq221c2,qq221d2
  *store space(10) to qq222
   4, 9 GET QQ21a
5, 9 GET QQ21b
                   PICT "X"
                   PICT "X"
  @ 10, 9 GET QQ221a1 PICT "X"
  @ 10,53 GET QQ221a2 PICT "XX"
  @ 11, 9 GET QQ221b1 PICT "X"
  @ 11,53 GET QQ221b2 PICT "XX"
  @ 12, 9 GET QQ221cl PICT "X"
  @ 12,45 GET QQ221c2 PICT "XX"
  @ 13, 9 GET QQ221d1 PICT "X"
  @ 13,45 GET QQ221d2 PICT "XX"
  @ 15,24 GET QQ222 PICT "XXXXXXXXXXX"
```

```
Data Strage & Retrieval Sub-system
   OK = .T.
   DO DIRECT WITH OK, 'INP1', 'INP3'
   IF .NOT. OK
     LOOP
   ENDIF
   STORE .F. TO INP2
ENDDO
DO WHILE INP3
   *-- Format Page: 3
     1, 0 CLEAR
     1, 0 SAY "2.STATUS OF SCHEME"
                        Proposed/Construction or Extension:"
     3, 0 SAY "2.3
     5, 0 SAY "2.3.1
                        History"
                        ( ) No investigation was made so far."
     6, 0 SAY "
                            F/S for construction was conducted in 19"
D/D for construction was conducted in 19"
   @
                            Construction will be commenced in 198
     9, 0 SAY "
   @ 10, 0 SAY "
                             Construction will be completed in 19"
   @ 12, 0 SAY "2.3.2
                       Lending Agency: "
   *STORE SPACE(1) TO QQ231A1,QQ231B1,QQ231C1,QQ231D1,QQ231E1
   *STORE SPACE(2) TO QQ231B2,QQ231C2,QQ231D2,QQ231E2
   *STORE SPACE(10) TO QQ232
      6, 9 GET QQ231a1 PICT "X"
     7, 9 GET QQ231bl PICT "X"
     7,53 GET QQ231b2 PICT "XX"
     8, 9 GET QQ231cl PICT "X"
      8,53 GET QQ231c2 PICT "XX"
     9, 9 GET QQ231d1 PICT "X"
      9.49 GET QQ231d2 PICT "XX"
   @ 10, 9 GET QQ231el PICT "X"
   @ 10,49 GET QQ231e2 PICT "XX"
   @ 12,24 GET QQ232 PICT "XXXXXXXXXXXXXXX
   READ
   ok = .T.
   DO DIRECT WITH OK, 'INP2', 'INP4'
   IF .NOT. OK
      LOOP
   ENDIF
   STORE .F. TO INP3
   EXIT
ENDDO
DO WHILE INP4
    *-- Format Page: 4
   @ 1, 0 CLEAR
   @ 1, 0 SAY "3.
                         AREA"
     2, 0 SAY "
      3, 0 SAY "--
                                                                        Plan"
                                                         Present
      5, 0 SAY "---
                         Irrigated Paddy Fiield
      6, 0 SAY "3.1
      6,46 SAY "
      8, 0 SAY "3.2
                         Rainfed Paddy Field
       8,46 SAY "
    @ 10, 0 SAY "3.3
                         Upland Field
    @ 10,46 SAY "
    @ 12, 0 SAY "3.4
                         Others
    @ 12,46 SAY "
    @ 14, 0 SAY "3.5
    @ 14,46 SAY "
    @ 15, 0 SAY "-
    DO LEGEND
    *STORE 0 TO QQ31A,QQ31B,QQ32A,QQ32B,QQ33A,QQ33B,QQ34A,QQ34B,QQ35A,QQ35B
       6,39 GET QQ31a PICT "999,999"
       6,54 GET QQ31b PICT "999,999"
       8,39 GET QQ32a PICT "999,999"
       8,54 GET QQ32b PICT "999,999"
```

Sample of Computer Program

```
@ 10,39 GET QQ33a PICT "999,999"
@ 10,54 GET QQ33b PICT "999,999"
  @ 12,39 GET QQ34a PICT "999,999"
  @ 12,54 GET QQ34b PICT "999,999"
  @ 14,39 GET QQ35a PICT "999,999"
  @ 14,54 GET QQ35b PICT "999,999"
  READ
  OK = T
  DO DIRECT WITH OK, 'INP3', 'INP5'
  IF .NOT. OK
     LOOP
  ENDIE
  STORE .F. TO INP4
  EXTP
FNDDO
DO WHILE INPS
  *-- Format Page: 5
  @ 1, 0 CLEAR
  @ 1, 0 SAY "4.
                       WELL CHARACTERISTICS
  @ 3, 0 SAY "----
                      @ 4, 0 SAY "
                                                                Average Depth"
                                                      Number
    5, 0 SAY "----
                                                      ------
                       Shallow (ITTW)
  æ
    7, 0 SAY "4.1
  (3)
    7,46 SAY " nos
  @ 7,63 SAY " m"
    9, 0 SAY "4.2
                       Deep (DTW)
  @ 9,46 SAY " nos
  @ 9,63 SAY " m"
  ⊗ 10, 0 SAY "----
  DO LEGEND
  *STORE 0 TO QQ41A,QQ41B,QQ42A,QQ42B
  @ 7,39 GET QQ41a PICT "999,999"
  @ 7,57 GET QQ41b PICT "999.99"
  8 9,39 GET QQ42a PICT "999,999"
  @ 9,57 GET QQ42b PICT "999.99"
  READ
  OK = .T.
  DO DIRECT WITH OK, 'INP4', 'INP6'
  IF .NOT. OK
     LOOP
  ENDIF
  STORE .F. TO INP5
  EXIT
F:NDDO
DO WHILE INP6
  *-- Format Page: 6
  0 CLEAR1, 0 CLEAR1, 0 SAY "5.
                       CONSTRUCTION COST#
    2, 0 SAY "
                                                 Unit: Million Rp."
    3, 0 SAY "---
  æ
    4, 0 SAY "
                                                     Construction "
                       Description
  @ 5, 0 SAY "
                                                     Cost
    6, 0 SAY "-----
    7, 0 SAY "5.1
                       Well"
  @ 9, 0 SAY "5.1.1
                       Shallow Well
  @ 11, 0 SAY "5.1.2
                       Deep Well
  @ 13, 0 SAY "5.2
                       Canale
  @ 15, 0 SAY "5.3
                       Total
  @ 16, 0 SAY "----
  DO LEGEND
  *STORE 0 TO QQ511,QQ512,QQ52,QQ53
  @ 9,39 GET QQ511 PICT "999,999.99"
  @ 11,39 GET QQ512 PICT "999,999.99"
  © 13,39 GET QQ52 PICT "999,999.99"
@ 15,39 GET QQ53 PICT "999,999.99"
  READ
  OK = T
  DO DIRECT WITH OK, 'INP5', SPACE(1)
  IF .NOT. OK
     LOOP
```

```
Sample of Computer Program
Data Strage & Retrieval Sub-system
```

```
ENDIF
   STORE .F. TO INP6
   EXIT
ENDDO
ENDDO
IF READKEY()=270
   REPL ID NO WITH Q ID NO, NAME WITH Q NAME
   REPL R NO WITH SUBSTR(ID NO,1,1), P NO WITH SUBSTR(ID NO,1,2)
REPL Qlia WITH QQlia, Qlib WITH QQlib, Ql2a WITH QQl2a, Ql2b WITH QQl2b
   REPL Q131a WITH QQ131a,Q131b WITH QQ131b,Q132a WITH QQ132a,Q132b WITH QQ132b
   REPL Q133a WITH QQ133a,Q133b WITH QQ133b,Q134a WITH QQ134a,Q134b WITH QQ134b
   REPL Q135a WITH QQ135a,Q135b WITH QQ135b,Q136a WITH QQ136a,Q136b WITH QQ136b
   REPL Q137a WITH QQ137a,Q137b WITH QQ137b,Q138a WITH QQ138a,Q138b WITH QQ138b
   REPL Q21a WITH QQ21a ,Q21b WITH QQ21b ,Q221al WITH QQ221al,Q221a2 WITH QQ221a2 REPL Q221bl WITH QQ221bl,Q221b2 WITH QQ221b2,Q221cl WITH QQ221cl,Q221c2 WITH QQ221c2
   REPL Q221d1 WITH QQ221d1,Q221d2 WITH QQ221d2,Q222 WITH QQ222
   REPL Q231a1 WITH QQ231a1,Q231b1 WITH QQ231b1,Q231b2 WITH QQ231b2,Q231c1 WITH QQ231c1
   REPL Q231c2 WITH QQ231c2,Q231d1 WITH QQ231d1,Q231d2 WITH QQ231d2,Q231e1 WITH QQ231e1
   REPL Q231e2 WITH QQ231e2,Q232 WITH QQ232
   REPL Q31a WITH QQ31a,Q31b WITH QQ31b,Q32a WITH QQ32a,Q32b WITH QQ32b
   REPL Q33a WITH QQ33a,Q33b WITH QQ33b,Q34a WITH QQ34a,Q34b WITH QQ34b
   REPL Q35a WITH QQ35a,Q35b WITH QQ35b
   REPL Q41a WITH QQ41a,Q41b WITH QQ41b,Q42a WITH QQ42a,Q42b WITH QQ42b
   REPL Q511 WITH QQ511,Q512 WITH QQ512,Q52 WITH QQ52 ,Q53 WITH QQ53
RETURN
 * End-of-procedure : MASTER1
PROC LEGEND
 * PROCEDURE NAME : LEGEND
 * DESCRIPTION
                  : DISPLAY MENU FOR CURSOR MOVE
@ 20, 10 TO 23,70 DOUBLE
@ 21, 11 say ' PgUp
@ 22, 11 say ' Ctrl-
                                                 PaDn
                                                           r Next Page
                           : Previous Page
                                                           : Quit without Save
                 Ctrl-End : Quit with Save
                                                 Esc
 IF INPL
    @ 21, 11 SAY SPACE(30)
 ENDIF
 IF INP6
    @ 21, 40 SAY SPACE(25)
 ENDIF
 &COL0
 RETURN
 * End-of-procedure : LEGEND
 PROC DIRECT
   PROCEDURE NAME : DIRECT
                  : DIRECT COMPUTER TO MOVE PREVIOUS/NEXT PAGE
 * DESCRIPTION
 PARAMETER OK, KEY1, KEY2
 CASE READKEY()=0 .OR. READKEY()=256 .OR. READKEY()=4 .OR. READKEY()=260 ;
       OR. READKEY()=6 OR. READKEY()=262
    IF KEY1=SPACE(1)
       OK = .F.
       STORE .T. TO &KEYL
    ENDIF
 CASE READKEY()=1 .OR. READKEY()=257 .OR. READKEY()=5 .OR. READKEY()=261;
      OR. READKEY()=7 .OR. READKEY()=263 .OR. READKEY()=15 .OR. READKEY()=271
 IF KEY2=SPACE(1)
    ox = .F.
 ELSE
    STORE .T. TO &KEY2
 ENDIF
 CASE READKEY()=12 .OR. READKEY()=269 .OR. READKEY()=270
    STORE .F. TO LOOP2
 OTHERWISE
    o\kappa = .F.
 ENDCASE
 RETURN
 * End-of-procedure : DIRECT
```

```
* End-of-file : GREG.PRG
* PROCEDURE NAME : GCOR.PRG
 DESCRIPTION : Correction of record for groundwater irrigation scheme*
 PROCEDURE
                 : MASTER1, LEGEND, DIRECT
               : Takuya IGAWA, JICA FIDP Team
 PREPARED BY
* PREPARED ON
                : August 8, 1993
***********
STORE .T. TO INTRO
FILENAME='GW'
ACTIVATE WINDOW COVER
DO WHILE .T.
   CLEAR
  &COL1
  @ 1,10 SAY 'JAPAN INTERNATIONAL COOPERATION AGENCY'
     3,10 SAY 'Formulation of Trrigation Development Program (FIDP)'
    5,10 SAY 'Inventory Survey'
     7,10 SAY 'Groundwater Irrigation Scheme'
     9,10 SAY (Data Correction)
   &COL0
  STORE SPACE (30) TO Q_NAME
  STORE SPACE(11) TO Q ID NO
  DO WHILE INTRO
     ANS = SPACE(1)
      @ 11, 10 clear
      @ 11, 10 SAY 'Index to search (1) ID Number (2) Scheme Name (0) Quit 'GET ANS
      @ 22, 10 say 'Select Index to search'
      @ 23, 10 say 'Type 0 and press (Enter> key to go back previous menu'
     READ
     DO CASE
      CASE ANS='0'
        DEACTIVATE WINDOW COVER
        RETURN
      CASE ANS='1'
        NDX_TAG='ID_NO'
      CASE ANS='2'
        NDX TAG NAME
     OTHERWISE
        LOOP
     ENDCASE
     USE &FILENAME ORDER &NOX_TAG
     STORE .F. TO INTRO
  ENDDO
  IF ANS= 1
     @ 17, 10 SAY ' ID Number:
                                     ' GET Q_ID_NO
     @ 22, 10 say 'Enter ID Number for correction' @ 23, 10 SAY 'Press (Enter) key to quit menu'
      @ 24, 10 SAY 'Press (Esc) for help'
     READ
      IF READKEY()=12 .OR. READKEY()=268
         OK=.T.
         DO WIND WITH FILENAME1, NDX_TAG, 'NUM1', 'Q_ID_NO', 'Q_NAME'
         IF .NOT. OK
            LOOP
         ENDIF
      ELSE
        IF Q_ID_NO = SPACE(11)
            DO RENUMBER
           CLOSE DATABASES
           DEACTIVATE WINDOW COVER
           USE INFO
           GOTO 4
           REPL DATE2 WITH DATE()
           USE
           RETURN
        ENDIF
        SEEK O_ID_NO
        IF EOF()
           ? CHR(7)
           @ 22, 10 CLEAR
           &COL1
           @ 22, 10 SAY 'Record of '+ TRIM(Q_ID_NO) + ' does not exist in master file !'
           @ 23, 10 say 'please check ID Number again'
           &COLO
           WAIT
```

```
LOOP
      ENDIF
  ENDIF
   Q NAME=NAME
   CLEAR
ENDIF
IF ANS=121
   @ 17, 10 clear
   @ 17, 10 SAY ' Scheme Name
                                     GET Q NAME
   © 22, 10 say 'Enter Scheme Name for correction' © 23, 10 SAY 'Press (Enter) key to quit menu'
    @ 24, 10 SAY 'Press (Esc) for help'
   READ
    IF READKEY()=12 .OR. READKEY()=268
       OK=.T.
       DO WIND WITH FILENAME1, NDX TAG, 'NUM1', 'Q ID NO', 'Q NAME'
       IF .NOT. OK
          LOOP
       ENDIF
    ELSE
      IF Q NAME = SPACE(30)
          DO RENUMBER
          CLOSE DATABASES
          DEACTIVATE WINDOW COVER
          USE INFO
          GOTO 4
          REPL DATE2 WITH DATE()
          USE
          RETURN
       FUDTE
       SEEK Q NAME
       IF EOF()
          ? CHR(7)
@ 22, 10 CLEAR
          @ 22, 10 SAY 'Record of '+ TRIM(Q_NAME) + ' does not exist in master file !'
          #COT-1
          @ 23, 10 may 'Please check Scheme Name again'
          &COL0
          WAIT
          LOOP
       ENDIF
     ENDIF
    Q_ID_NO=ID_NO
    CLEAR
 ENDIF
                                               NAME OF SCHEME:
 @ 0, 0 SAY ' ID NO.:
 &COL1
   0, 10 SAY Q_ID_NO
 Ø
 @ 0, 45 SAY Q_NAME
&COLO
 DO WHILE .T.
    DO WHILE .T.
        ANS1 = 'N'
        © 10, 0 CLEAR
© 10, 10 SAY 'Do you want to change ID Number ?' GET ANS1
        @ 22, 12 may 'Please type Y or N and press (Enter> key'
        READ
        CLEAR CETS
        IF ANS1 = 'Y' .OR. ANS1 = 'N'
           EXIT
        ENDIF
     ENDDO
     IF ANS1 = 'N'
        EXIT
     ENDIF
     IF ANS1 = 'Y'
        CID_NO = SPACE(11)
        @ 12, 10 clear
        @ 12, 10 SAY 'Enter correct ID Number 'GET CID_NO
        READ
        CLEAR GETS
        SEEK CID NO
        IF .NOT. EOF()
           ? CHR(7)
```

```
@ 22, 10 clear
              @ 22, 10 SAY 'Record of '+ TRIM(CID_NO) + ' already exists in master file !'
              @ 23, 10 say 'Please check ID Number again'
              SEEK Q_ID_NO
              TIAW
             LOOP
          ENDIF
          SEEK Q_ID_NO
          Q_ID_NO = CID_NO
          *COT1
          @ 0, 10 SAY Q_ID_NO
&COL0
          EXIT
       ENDIF
   ENDDO
   DO WHILE .T.
       DO WHILE .T.
          ANS2 = 'N'
          @ 14, 0 CLEAR
          @ 14, 10 SAY 'Do you want to change Scheme Name ?' GET ANS2
@ 22, 12 say 'Please type Y or N and press (Enter> key'
          READ
          CLEAR GETS
          IF ANS2 = 'Y' .OR. ANS2 = 'N'
             EXTT
          ENDIF
       ENDDO
      IF ANS2 = 'N'
          EXIT
       ENDIF
      IF ANS2 = 'Y'
          CNAME = SPACE(30)
          @ 16, 10 clear
@ 16, 10 SAY 'Enter correct Scheme Name 'GET CNAME
          READ
          CLEAR GETS
          Q_NAME=CNAME
         EXIT
     ENDIF
   ENDDO
   DO MASTER1
ENDDO
PROC MASTER1
* PROCEDURE NAME : MASTER1
* DESCRIPTION : MAIN BODY OF DATA CORRECTION FOR GROUNDWATER IRRIGATION SCHEME
CLEAR
@ 0, 0 SAY ' ID NO.: &COLL
                                                NAME OF SCHEME:
@ 0, 10 SAY Q_ID_NO
@ 0, 45 SAY Q_NAME
&COL0
STORE .T. TO LOOP2 STORE .T. TO INPO
STORE .F. TO INPI, INP2, INP3, INP4, INP5, INP6
DO WHILE LOOP2
DO WHILE INPO
   QQ11a =Q11a
   QQ11b =Q11b
   QQ12a =Q12a
   QQ12b = Q12b
   00131a=0131a
   QQ131b=Q131b
   QQ132a=Q132a
   QQ132b=Q132b
   QQ133a=Q133a
   QQ133b=Q133b
   00134a=0134a
   QQ134b=Q134b
   QQ135a=Q135a
   QQ135b=Q135b
```

```
QQ136a=Q136a
  QQ136b=Q136b
  QQ137a=Q137a
  QQ137b=Q137b
  QQ138a=Q138a
  QQ138b=Q138b
  QQ21a =:Q21a
  QQ21b =Q21b
  QQ221a1=Q221a1
  QQ221a2=Q221a2
  QQ221b1=Q221b1
  QQ221b2=Q221b2
  QQ221c1=Q221c1
  QQ221c2=Q221c2
  QQ221d1=Q221d1
  QQ221d2=Q221d2
  QQ222 =Q222
  QQ231al=Q231al
  QQ231b1=Q231b1
  QQ231b2=Q231b2
  QQ231cl=Q231cl
  QQ231c2=Q231c2
  QQ231d1=Q231d1
  QQ231d2=Q231d2
  QQ231e1=Q231e1
  QQ231e2=Q231e2
  QQ232 =Q232
  QQ31a=Q31a
  QQ31b=Q31b
  QQ32a=Q32a
  QQ32b=Q32b
  QQ33a=Q33a
  QQ33b=Q33b
  QQ34a=Q34a
  QQ34b=Q34b
  QQ35a≔Q35a
  QQ35b=Q35b
  QQ41a=Q41a
  QQ41b=Q41b
  QQ42a=Q42a
  QQ42b=Q42b
  QQ511=Q511
   QQ512=Q512
  QQ52 =Q52
   QQ53 =Q53
   STORE .F. TO INPO
   STORE .T. TO INPL
ENDDO
DO WHILE INPL
   *-- Format Page: 1
     1, 0 CLEAR TO 19, 79
     1, 0 SAY "1.
3, 0 SAY "1.1
                         LOCATION"
                         Province:"
      4, 0 SAY "
                                 Code
      4,25 SAY "
                        Name "
                         Kabupaten: "
      6, 0 SAY "1.2
                                 Code
      7, 0 SAY "
                      Name "
      7,27 SAY "
     9, 0 SAY "1.3
                         Kecamatan:"
   @ 10, 0 SAY "
                         ì.
   @ 10,16 SAY "Code"
     10,20 SAY "
   @ 10,29 SAY "
                    Name
     11, 0 SAY "
                         2.
                                 Code
   @ 11,29 SAY "
                    Name
     12, 0 SAY "
                         3.
                                 Code
   @ 12,29 SAY "
                    Name
     13, 0 SAY "
                         4.
                                 Code
   @ 13,29 SAY "
                    Name
   @ 14, 0 SAY "
                         5.
                                 Code
   @ 14,29 SAY "
                    Name
   @ 15, 0 SAY
                         6.
                                  Code
   @ 15,29 SAY "
                    Name
     16, 0 SAY "
                         7.
                                  Code
   @ 16,29 SAY "
                    Name
   @ 17, 0 SAY "
                         8.
                                  Code
   @ 17,29 SAY "
                    Name "
   DO LEGEND
```

```
*STORE SPACE(2) TO QQ11A
  *STORE SPACE(4) TO QQ12A
*STORE SPACE(6) TO QQ131A,QQ132A,QQ133A,QQ134A,QQ135A,QQ136A,QQ137A,QQ138A
   *STORE SPACE(20) TO QQ11B,QQ12B,QQ131B,QQ132B,QQ133B,QQ134B,QQ135B,QQ136B,QQ137B,QQ138B
    4,23 GET QQ11a PICT "XX"
                  4,37 GET QQ11b
     7,23 GET QQ12a PICT "XXXX"
     @ 10,23 GET QQ131a PICT "XXXXXX"
  @ 11,23 GET QQ132a PICT "XXXXXX"
  @ 12,23 GET QQ133a PICT "XXXXXX"
  @ 13,23 GET QQ134a PICT "XXXXXX"

⊗ 14,23 GET QQ135a PICT "XXXXXX"

  @ 15,23 GET QQ136a PICT "XXXXXX"
  @ 16,23 GET QQ137a PICT "XXXXXXX"
  @ 17,23 GET QQ138a PICT "XXXXXXX"
  READ
  OK = .T.
  DO DIRECT WITH OK, SPACE(1), 'INP2'
  IF .NOT. OK
    TOOP
  ENDIF
  STORE .F. TO INPL
  EXIT
ENDDO
DO WHILE INPA
  *-- Format Page: 2
  @ 1, 0 CLEAR TO 19, 79
  ② 1, 0 SAY "2.STATUS OF SCHEME"
    3, 0 SAY "2.1
                    Select Present Status of Sub-project (not limited to one answer):
    4, 0 SAY "

    () On-going/Construction or Extension<sup>a</sup>
    () Proposed/Construction or Extension<sup>a</sup>

     5, 0 SAY B
    7, 0 SAY "2.2
                    On-going/Construction or Extension:"
     9, 0 SAY "2.2.1
                    History"
  @ 10, 0 SAY "
                        F/S for construction was conducted in 19"
                    ( )
  @ 11, 0 SAY "
                    ( )
                        D/D for construction was conducted in 19"

6 12, 0 SAY <sup>6</sup>

                    ( )
                        Construction was commenced in 19"
  @ 13, 0 SAY "
                    ( )
                        Construction was suspended in 19"
  @ 15, 0 SAY "2.2.2
                   Lending Agency: "
  DO LEGEND
  *store space(1) to qq2la,qq2lb,qq22la1,qq22lb1,qq22lc1,qq22ld1
  *store space(2) to qq221a2,qq221b2,qq221c2,qq221d2
  *store space(10) to qq222
  e 4, 9 GET QQ21a
e 5, 9 GET QQ21b
                   PICT "X"
                   PTCT "X"
  @ 10, 9 GET QQ221a1 PICT "X"
  @ 10,53 GET QQ221a2 PICT "XX"
  @ 11, 9 GET QQ221b1 PICT "X"
  @ 11,53 GET QQ221b2 PICT "XX"
  @ 12,45 GET QQ221c2 PICT "XX"
  @ 13, 9 GET QQ221d1 PICT "X"
  @ 13,45 GET QQ221d2 PICT "XX"
                  PICT "XXXXXXXXXXXX"
  @ 15,24 GET QQ222
  READ
  OK = .T.
  DO DIRECT WITH OK, 'INP1', 'INP3'
  IF .NOT. OK
    LOOP
  ENDIF
  STORE .F. TO INP2
  EXIT
```

```
ENDDO
```

```
DO WHILE INP3
   *-- Format Page: 3
     1, 0 CLEAR TO 19, 79
     1. 0 SAY "2.STATUS OF SCHEME"
      3, 0 SAY "2.3
                        Proposed/Construction or Extension:
     5, 0 SAY "2.3.1
                         History"
      6, 0 SAY "
                         ( ) No investigation was made so far."
                         ( ) F/S for construction was conducted in 19"
      7, 0 SAY "
                         ( ) D/D for construction was conducted in 19"
      8, 0 SAY "
                         ( ) Construction will be commenced in 19"
     9, 0 SAY "
   ⊗ 10, 0 SAY "
                              Construction will be completed in 19"
                         ( )
   @ 12, 0 SAY "2.3.2 Lending Agency: "
   DO LEGEND
   *STORE SPACE(1) TO QQ231A1,QQ231B1,QQ231C1,QQ231D1,QQ231E1
   *STORE SPACE(2) TO QQ231B2,QQ231C2,QQ231D2,QQ231E2
   *STORE SPACE(10) TO QQ232
      6, 9 GET QQ231al PICT "X"
      7, 9 GET QQ231b1 PICT "X"
7,53 GET QQ231b2 PICT "XX"
      8, 9 GET QQ231cl PICT "X"
      8,53 GET QQ231c2 PICT "XX"
      9, 9 GET QQ231dl PICT "X"
      9,49 GET QQ231d2 PICT "XX"
   @ 10, 9 GET QQ231el PICT "X"
   @ 10,49 GET QQ231e2 PICT "XX"
                       PICT "XXXXXXXXXXXX"
   @ 12,24 GET QQ232
   READ
   OK = T.
   DO DIRECT WITH OK, 'INP2', 'INP4'
    IF .NOT OK
      LOOP
    ENDIF
    STORE .F. TO INP3
   EXIT
ENDDO
DO WHILE INP4
    *-- Format Page: 4
      1, 0 CLEAR TO 19,
                         79
     1, 0 SAY "3.
2, 0 SAY "
                         AREA"
                                                                               Unit: han
      3, 0 SAY "--
       4, 0 SAY "
                                                                        Plan
                         Description
                                                        Present
      5, 0 SAY "----
6, 0 SAY "3.1
                         Irrigated Paddy Fiield
      6,46 SAY "
      8, 0 SAY "3.2
                         Rainfed Paddy Field
      8,46 SAY "
    @ 10, 0 SAY "3.3
                         Upland Field
    2 10,46 SAY "
    @ 12, 0 SAY "3.4
                         Others
    @ 12,46 SAY "
    @ 14, 0 SAY "3.5
                         Total
    @ 14,46 SAY "
    @ 15, 0 SAY "-
    DO LEGEND
    *STORE 0 TO QQ31A,QQ31B,QQ32A,QQ32B,QQ33A,QQ33B,QQ34A,QQ34B,QQ35A,QQ35B
       6,39 GET QQ31a PICT "999,999"
       6,54 GET QQ31b PICT "999,999"
       8,39 GET QQ32a PICT "999,999"
      8,54 GET QQ32b PICT "999,999"
    @ 10,39 GET QQ33a PICT "999,999"
    @ 10,54 GET QQ33b PICT "999,999"
    @ 12,39 GET QQ34a PICT "999,999"
    @ 12,54 GET QQ34b PICT "999,999"
    @ 14,39 GET QQ35a PICT "999,999"
    @ 14,54 GET QQ35b PICT "999,999"
```

```
OK = .T.
  DO DIRECT WITH OK, 'INP3', 'INP5'
  IF .NOT. OK
     LOOP
  ENDIF
  STORE .F. TO INP4
  EXIT
ENDDO
DO WHILE INPS
  *-- Format Page: 5
  @ 1, 0 CLEAR
@ 1, 0 SAY "4.
                      WELL CHARACTERISTICS"
    3, 0 SAY "----
     4, 0 SAY
                      Description
                                                   Number
                                                               Average Depth"
    5, 0 SAY "----
     7, 0 SAY "4.1
                      Shallow (ITTW)
    7,46 SAY " nos
    7,63 SAY " m"
    9, 0 SAY 4.2
                      Deep (DTW)
    9,46 SAY " nos
    9,63 SAY " m"
  @ 10, 0 SAY "-----
  DO LEGEND
  *STORE 0 TO QQ41A,QQ41B,QQ42A,QQ42B
    7,39 GET QQ41a PICT "999,999"
    7,57 GET QQ41b PICT "999.99"
    9,39 GET QQ42a PICT "999,999"
    9,57 GET QQ42b PICT "999.99"
  READ
  DO DIRECT WITH OK, 'INP4', 'INP6'
  IF .NOT. OK
    LOOP
  ENDIF
  STORE .F. TO INPS
  EXIT
ENDDO
DO WHILE INP6
  *-- Format Page: 6
    1, 0 CLEAR TO 19, 79
    1, 0 SAY "5. CONSTRUCTION COST"
    2, 0 SAY "
                                               Unit: Million Rp."
    3, 0 SAY "-----
     4, 0 SAY "
                  Description
                                                  Construction "
     5, 0 SAY "
                                                  Cost
     6, 0 SAY "----
     7, 0 SAY 5.1
                      Well"
    9, 0 SAY "5.1.1
                      Shallow Well
                      Deep Well
  @ 11, 0 SAY "5.1.2
  @ 13, 0 SAY "5.2
                     Canals
  @ 15, 0 SAY "5.3
                      Total
  @ 16, 0 SAY "----
  DO LEGEND
  *STORE 0 TO QQ511,QQ512,QQ52,QQ53
  @ 9,39 GET QQ511 PICT "999,999.99"
  @ 11,39 GET QQ512 PICT "999,999.99"
  @ 13,39 GET QQ52 PICT "999,999.99"
  @ 15,39 GET QQ53 PICT "999,999.99"
  READ
  OK = .T.
  DO DIRECT WITH OK, 'INP5', ' '
  IF .NOT. OK
    LOOP
  ENDIF
  STORE .F. TO INP6
  EXIT
```

```
ENDDO
IF READKEY()=270
   REPL ID NO WITH Q ID NO, NAME WITH Q NAME
   REPL R NO WITH SUBSTR(ID_NO,1,1),P_NO WITH SUBSTR(ID_NO,1,2)
   REPL Q11a WITH QQ11a, Q11b WITH QQ11b, Q12a WITH QQ12a, Q12b WITH QQ12b REPL Q131a WITH QQ131a,Q131b WITH QQ131b,Q132a WITH QQ132a,Q132b WITH QQ132b
   REPL Q133a WITH QQ133a,Q133b WITH QQ133b,Q134a WITH QQ134a,Q134b WITH QQ134b
   REPL Q135a WITH QQ135a,Q135b WITH QQ135b,Q136a WITH QQ136a,Q136b WITH QQ136b
REPL Q137a WITH QQ137a,Q137b WITH QQ137b,Q138a WITH QQ138a,Q138b WITH QQ138b
   REPL Q21a WITH QQ21a ,Q21b WITH QQ21b ,Q221a1 WITH QQ22la1,Q22la2 WITH QQ22la2 REPL Q221b1 WITH QQ22lb1,Q22lb2 WITH QQ22lb2,Q22lc1 WITH QQ22lc1,Q22lc2 WITH QQ22lc2
                                                           WITH 00222
   REPL Q221d1 WITH QQ221d1,Q221d2 WITH QQ221d2,Q222
   REPL Q231a1 WITH QQ231a1,Q231b1 WITH QQ231b1,Q231b2 WITH QQ231b2,Q231c1 WITH QQ231c1
   REPL Q231c2 WITH QQ231c2,Q231d1 WITH QQ231d1,Q231d2 WITH QQ231d2,Q231e1 WITH QQ231e1
   REPL Q231e2 WITH QQ231e2,Q232 WITH QQ232
   REPL Q31a WITH QQ31a,Q31b WITH QQ31b,Q32a WITH QQ32a,Q32b WITH QQ32b
   REPL Q33a WITH QQ33a,Q33b WITH QQ33b,Q34a WITH QQ34a,Q34b WITH QQ34b
   REPL Q35a WITH QQ35a,Q35b WITH QQ35b
   REPL Q41a WITH QQ41a,Q41b WITH QQ41b,Q42a WITH QQ42a,Q42b WITH QQ42b
   REPL Q511 WITH QQ511,Q512 WITH QQ512,Q52 WITH QQ52 ,Q53 WITH QQ53
ENDIF
RETURN
* End-of-procedure : MASTER1
PROC LEGEND
* PROCEDURE NAME : LEGEND
* DESCRIPTION
                : DISPLAY MENU FOR CURSOR MOVE
@ 20, 10 TO 23,70 DOUBLE
@ 21, 11 say ' PgUp : Previous Page @ 22, 11 say ' Ctrl-End : Quit with Save
                                                 PgDn
                                                           : Next Page
                                                 Eec
                                                            : Quit without Save
IF INPL
   @ 21, 11 SAY SPACE(30)
ENDIF
IF INP6
   @ 21, 40 SAY SPACE(25)
ENDIF
&COL0
RETURN
* End-of-procedure : LEGEND
PROC DIRECT
* PROCEDURE NAME : DIRECT
* DESCRIPTION : DIRECT COMPUTER TO MOVE PREVIOUS/NEXT PAGE
PARAMETER OK, KEY1, KEY2
DO CASE
CASE READKEY()=0 .OR. READKEY()=256 .OR. READKEY()=4 .OR. READKEY()=260 ;
      OR. READKEY()=6 .OR. READKEY()=262
    IF KEY1=SPACE(1)
       OK = .F.
    ELSE
      STORE .T. TO &KEYL
   ENDIF
CASE READKEY()=1 .OR. READKEY()=257 .OR. READKEY()=5 .OR. READKEY()=261 ;
      OR. READKEY()=7 OR. READKEY()=263 OR. READKEY()=15 OR. READKEY()=271
IF KEY2=SPACE(1)
   ok = .F.
ELSE
   STORE .T. TO &KEY2
CASE READKEY()=12 .OR. READKEY()=268 .OR. READKEY()=270
   STORE .F. TO LOOP2
 OTHERWISE
   OK = .F
ENDCASE
RETURN
 * End-of-procedure : DIRECT
 * End-of-file : GCOR.PRG
 *********
 * PROCEDURE NAME : GREF.PRG
 * DESCRIPTION
                 : Browse of record for groundwater irrigation scheme
  PROCEDURE
                   : MASTERI, LEGEND, DIRECT
 * PREPARED BY
                  : Takuya IGAWA, JICA FIDP Team
 * PREPARED ON
                   : August 8, 1993
```

```
ACTIVATE WINDOW COVER
STORE .T. TO INTRO
DO WHILE .T.
   CLEAR
   FCOT-1

● 1,10 SAY JAPAN INTERNATIONAL COOPERATION AGENCY.

    3,10 SAY 'Formation of Irrigation Development Program (FIDP)'
    5,10 SAY 'Inventory Survey'

   @ 7,10 SAY 'Groundwater Irrigation Scheme'
   മ
     9,10 SAY '(Data Browse)'
   &COL0
  STORE SPACE(30) TO Q_NAME
STORE SPACE(11) TO Q_ID_NO
   DO WHILE INTRO
      ANS = SPACE(1)
      @ 11, 10 clear
      @ 11, 10 SAY 'Index to search (1) ID Number (2) Scheme Name (0) Quit 'GET ANS @ 22, 10 say 'Select Index to search'
      @ 23, 10 say 'Type 0 and press (Enter) key to go back previous menu'
      READ
      DO CASE
      CASE ANS='0'
          DEACTIVATE WINDOW COVER
          RETURN
      CASE ANS='1'
          NDX_TAG='ID_NO'
      CASE ANS='2'
         NDX TAG='NAME'
      OTHERWISE
          LOOP
      ENDCASE
      USE &FILENAME ORDER &NDX_TAG
      STORE .F. TO INTRO
   ENDDO
   IF ANS='1'
      @ 17, 10 SAY ' ID Number:
                                            GET Q_ID_NO
      @ 22, 10 say 'Enter ID Number for browse'
@ 23, 10 SAY 'Press (Enter> key to quit menu'
       @ 24, 10 SAY 'Press (Esc) for help'
      READ
        IF READKEY()=12 .OR. READKEY()=268
           OK-.T.
           DO WIND WITH FILENAMEL, NDX TAG, 'NUML', 'Q ID NO', 'Q NAME'
           IF .NOT. OK
              LOOP
           ENDIF
       ELSE
          IF Q_{D_NO} = SPACE(11)
             CLOSE DATABASES
             DEACTIVATE WINDOW COVER
             RETURN
          ENDIF
          SEEK Q_ID_NO
          IF EOF()
             ? CHR (7)
             @ 22, 10 CLEAR
             &COL1
             @ 22, 10 SAY 'Record of '+ TRIM(Q_ID_NO) + ' does not exist in master file :'
             @ 23, 10 say 'Please check ID Number again'
             &COLO
             TIAW
             LOOP
         ENDIF
       ENDIF
      Q_NAME~NAME
      CLEAR
  ENDIF
   IF ANS='2'
      @ 17, 10 clear
      © 17, 10 SAY ' Scheme Name ' GET Q NAME
© 22, 10 say 'Enter Scheme Name for browee'
© 23, 10 SAY 'Press (Enter) key to quit menu'
                                           'GET Q_NAME
       @ 24, 10 SAY 'Press (Esc) for help'
      READ
       IF READKEY()=12 .OR. READKEY()=268
```

```
Sample of Computer Program
Data Strage & Retrieval Sub-system
          OR = .T.
          DO WIND WITH FILENAME1, NDX TAG, 'NUM1', 'Q ID NO', 'Q NAME'
          IF .NOT. OK
             LOOP
          ENDIF
       ELSE
         IF Q NAME = SPACE(30)
             CLOSE DATABASES
             DEACTIVATE WINDOW COVER
             RETURN
         STURE
         SEEK Q_NAME
         IF EOF()
             ? CHR(7)
             @ 22, 10 CLEAR
             *COLI
             @ 22, 10 SAY 'Record of '+ TRIM(Q NAME) + ' does not exist in master file !'
             @ 23, 10 say 'Please check Scheme Name again'
             &COL<sub>0</sub>
             WAIT
             LOOP
         ENDIF
       ENDIF
      Q_ID_NO=ID_NO
      CLEAR
   ENDIF
   GOTO BOTT
   REC_E = RECNO()
   TOP OTOD
   REC_S = RECNO()
   IF ANS='1'
      SEEK Q_ID_NO
    ELSE
      SEEK Q_NAME
    ENDIF
   DO MASTERI
ENDDO
 PROC MASTER1
  PROCEDURE NAME : MASTER1
                  : MAIN BODY OF DATA BROWSE FOR GROUNDWATER IRRIGATION SCHEME
 * DESCRIPTION
 STORE .T. TO LOOP!
 DO WHILE LOOP!
 Q ID NO = ID NO
 Q NAME = NAME
 CLEAR
                                               NAME OF SCHEME:
 @ 0, 0 SAY ' ID NO.:
 &COL1

    Ø 0, 10 SAY Q_ID_NO<br/>
    Ø 0, 45 SAY Q_NAME

 &COL0
 STORE .T. TO LOOP2
 STORE .T. TO INPL
 STORE .F. TO INP2, INP3, INP4, INP5, INP6
 DO WHILE LOOP2
 DO WHILE INPL
     *-- Format Page: 1
     2 1, 0 CLEAR TO 19, 79
     @ 1, 0 SAY "1.
@ 3, 0 SAY "1.1
                           LOCATION"
                           Province:"
       4, 0 SAY "
                                    Code
```

Name "

Name "

Name "

1.

Kabupaten:"

Kecamatan:"

Code

Code

4,25 SAY "

7, 0 SAY "

@ 7,27 SAY "

@ 10, 0 SAY "

@ 10,29 SAY "

@ 11, 0 SAY "

6, 0 SAY "1.2

9, 0 SAY "1.3

@ 10,16 SAY "Code" @ 10,20 SAY " "

@

```
@ 11,29 SAY "
                Name
  @ 12, 0 SAY "
                            Code
  @ 12,29 SAY "
                Name
  @ 13, 0 SAY "
                            Code
  @ 13,29 SAY "
                Name
  @ 14, 0 SAY H
                           Code
  @ 14,29 SAY
                Name "
  @ 15, 0 SAY
                           Code
                    6.
  @ 15,29 SAY
                Name
  @ 16, 0 SAY "
                           Code
  @ 16,29 SAY "
                Name
  @ 17, 0 SAY "
@ 17,29 SAY "
                    8.
                           Code
                Name "
  &COL1
    4,23 SAY Qlla PICT "XX"
                  4,37 SAY Q11b
    7,23 SAY Q12a
                  PICT "XXXX"
    @ 10,23 SAY Q131a PICT "XXXXXX"
  @ 11,23 SAY Q132a PICT "XXXXXX"
  @ 12,23 SAY Q133a PICT "XXXXXX"
  @ 12,37 SAY Q133b PICT "XXXXXXXXXXXXXXXXXXXXXXXX
  @ 13,23 SAY Q134a PICT "XXXXXX"
  @ 14,23 SAY Q135a PICT "XXXXXX"
  @ 15,23 SAY Q136a PICT "XXXXXX"
  @ 16,23 SAY Q137a PICT "XXXXXX"
  @ 17,23 SAY Q138a PICT "XXXXXX"
  &COT-0
  DO LEGEND
  OK = .T.
  DO DIRECT WITH OK, SPACE(1), 'INP2'
  IF .NOT. OK
    LOOP
  ENDIF
  STORE .F. TO INPL
  EXIT
ENDDO
DO WHILE INP2
  * -- Format Page: 2
  @ 1, 0 CLEAR TO 19, 79
    1, 0 SAY "2.STATUS OF SCHEME"
    3, 0 SAY "2.1
                    Select Present Status of Sub-project (not limited to one answer):"
    4, 0 SAY H
                    () On-going/Construction or Extension<sup>a</sup>
() Proposed/Construction or Extension<sup>a</sup>
    5, 0 SAY "
    7, 0 SAY "2.2
                    On-going/Construction or Extension:"
    9, 0 SAY "2.2.1
                    History*
  @ 10, 0 SAY "
                    ( )
                        F/S for construction was conducted in 19"
  @ 11, 0 SAY
                        D/D for construction was conducted in 19"
  @ 12, 0 SAY "
                        Construction was commenced in 19"
                    ( )
  @ 13, 0 SAY "
                        Construction was suspended in 19"
                    ( )
  @ 15, 0 SAY "2.2.2
                    Lending Agency:
  &COL1
  @ 4, 9 SAY Q21a
                  PICT "X"
  © 5, 9 SAY Q21b PICT "X" © 10, 9 SAY Q221a1 PICT "X"
  @ 10,53 SAY Q221a2 PICT "XX"
  @ 11, 9 SAY Q221b1 PICT "X"
  @ 11,53 SAY Q221b2 PICT "XX"
  @ 12, 9 SAY Q221c1 PICT "X"
  @ 12,45 SAY Q221c2 PICT "XX"
  @ 13,45 SAY Q221d2 PICT "XX"
                  PICT "XXXXXXXXXXXX"
  @ 15.24 SAY Q222
  &COL0
  DO LEGEND
  OK = .T.
  DO DIRECT WITH OK, 'INPl', 'INP3'
  IF .NOT. OK
```

Sample of Computer Program Data Strage & Retrieval Sub-system

```
LOOP
   ENDIF
   STORE .F. TO INP2
   FXIT
ENDDO
DO WHILE INP3
   * ~ Format Page: 3
   @ 1, 0 CLEAR TO 19, 79
     1, 0 SAY "2.STATUS OF SCHEME"
      3, 0 SAY "2.3
                         Proposed/Construction or Extension:"
     5, 0 SAY "2.3.1
                         History"
     6, 0 SAY "
                         ( ) No investigation was made so far."
                             F/S for construction was conducted in 19"
      7, 0 SAY "
                         ( ) D/D for construction was conducted in 19"
     8, 0 SAY "
                         ( ) Construction will be commenced in 19"
      9, 0 SAY "
   @ 10, 0 SAY "
                         ( ) Construction will be completed in 19"
   @ 12, 0 SAY "2.3.2 Lending Agency: "
   &COL1
     6, 9 SAY Q231a1 PICT "X"
7, 9 SAY Q231b1 PICT "X"
      7,53 SAY Q231b2 PICT "XX"
      8, 9 SAY Q231cl PICT "X"
     8,53 SAY Q231c2 PICT "XX"
     9, 9 SAY Q231dl PICT "X"
     9,49 SAY Q231d2 PICT "XX"
   @ 10, 9 SAY Q231el PICT "X"
   @ 10,49 SAY Q231e2 PICT "XX"
   @ 12,24 SAY Q232
                     PICT "XXXXXXXXXXXX"
   &COL0
   DO LEGEND
   OK = .T.
   DO DIRECT WITH OK, 'INP2', 'INP4'
   IF .NOT. OK
      LOOP
    ENDIF
   STORE .F. TO INP3
   EXIT
ENDDO
DO WHILE INP4
    *-- Format Page: 4
      1, 0 CLEAR TO 19, 79
      1, 0 SAY "3.
                         AREA"
      2, 0 SAY "
      3 0 SAY "--
     4, 0 SAY "
                         Description
      5, 0 SAY "---
      6, 0 SAY "3.1
                         Irrigated Paddy Fiield
      6,46 SAY
      8, 0 SAY "3.2
                         Rainfed Paddy Field
      8,46 SAY "
   @ 10, 0 SAY #3.3
@ 10,46 SAY #
                         Upland Field
    @ 12, 0 SAY #3.4
                         Others
   @ 12.46 SAY "
   @ 14, 0 SAY #3.5
                         Total
   @ 14,46 SAY "
   @ 15, 0 SAY "--
    &COL1
    @ 6,39 SAY Q31a PICT "999,999"
      6,54 SAY Q31b PICT "999,999"
      8,39 SAY Q32a PICT "999,999"
    @ 8,54 SAY Q32b PICT "999,999"
    @ 10,39 SAY Q33a PICT "999,999"
    @ 10,54 SAY Q33b PICT "999,999"
    @ 12,39 SAY Q34a PICT "999,999"
    @ 12,54 SAY Q34b PICT "999,999"
    @ 14,39 SAY Q35a PICT "999,999"
    @ 14,54 SAY Q35b PICT "999,999"
    &COLO
    DO LEGEND
    OK = .T.
    DO DIRECT WITH OK, 'INP3', 'INP5'
    IF .NOT. OK
```

```
LOOP
    ENDIF
    STORE .F. TO INP4
    EXIT
 ENDDO
 DO WHILE INPS
    *-- Format Page: 5

    ■ 1, 0 CLEAR TO 19, 79

    @ 1, 0 SAY "4.
                         WELL CHARACTERISTICS"
    @ 3, 0 SAY "---
      4, 0 SAY "
                        Description
                                                       Number Average Depth"
      5, 0 SAY "----
7, 0 SAY *4.1
                        Shallow (ITTW)
      7,46 SAY " nos
       7.63 SAY " m"
      9. 0 SAY 4.2
                         Deep (DTW)
    @ 9,46 SAY " nos
@ 9,63 SAY " m"
    @ 10, 0 SAY "-----
    &COL1

    7,39 SAY Q41a PICT "999,999"
    7,57 SAY Q41b PICT "999,99"

    8 9,39 SAY Q42a PICT *999,999*
    9,57 SAY Q42b PICT "999.99"
    &COL0
    DO LEGEND
    OK = .T.
    DO DIRECT WITH OK, 'INP4', 'INP6'
    IF .NOT. OK
      LOOP
    ENDIF
    STORE .F. TO INPS
   EXIT
ENDDO
DO WHILE INP6
    * -- Format Page: 6
   € 1, 0 CLEAR TO 19, 79
   @ 1, 0 SAY "5.
@ 2, 0 SAY "
                        CONSTRUCTION COST"
                                                  Unit: Million Rp. "
   @ 3, 0 SAY #----
     4, 0 SAY " Description 5, 0 SAY "
                                                      Construction "
                                                      Cost
      6, 0 SAY "-----
      7, 0 SAY "5.1
                       Wellu
     9, 0 SAY "5.1.1
                        Shallow Well
   @ 11, 0 SAY "5.1.2 Deep Well
   @ 13, 0 SAY "5.2
                        Canals
                                                       11
   @ 15, 0 SAY "5.3
                      Total
   e 16, 0 SAY "-----
   &COL1
   © 9,39 SAY Q511 PICT "999,999.99"
   @ 11,39 SAY Q512 PICT "999,999.99"
   @ 13,39 SAY Q52 PICT "999,999.99"
@ 15,39 SAY Q53 PICT "999,999.99"
   &COL0
   DO LEGEND
   DO DIRECT WITH OK, 'INP5', SPACE(1)
   IF .NOT. OK
     LOOP
   ENDIF
   STORE .F. TO INP6
   EXIT
ENDDO
ENDDO
ENDDO
RETURN
* End-of-procedure : MASTER1
```

```
sample of Computer Program
Data Strage & Retrieval Sub-system
```

```
PROC LEGEND
* PROCEDURE NAME : LEGEND
                 : DISPLAY MENU FOR CURSOR MOVE
* DESCRIPTION
&COL2
@ 20, 10 TO 24,60 DOUBLE
                                                       '+chr(25)+'
                                                                        : Next record
@ 21, 11 eay ' '+chr(24)+'
@ 22, 11 eay ' '+chr(27)+'
                                : Previous record
                                                       '+chr(26)+'
                                                                        : Next page
                               : Previous page
⊗ 23, 11 say 'Esc
                    : Quit to previous menu
IF RECNO()=REC_S
   @ 21, 11 SAY SPACE(25)
ENDIF
IF RECNO()=REC E
   @ 21, 40 SAY SPACE(20)
ENDIF
IF INPL
   @ 22, 11 SAY SPACE(25)
ENDIF
IF INP6
   @ 22, 40 SAY SPACE(20)
ENDIF
&COL0
RETURN
* End-of-procedure : LEGEND
PROC DIRECT
 * PROCEDURE NAME : DIRECT
 * DESCRIPTION : DIRECT COMPUTER TO MOVE PREVIOUS/NEXT PAGE AND RECORD
PARAMETER OK, KEY1, KEY2
ANSWER = SPACE(1)
       O GET ANSWER
 ⊕ 0,
READ
DO CASE
 *PREVIOUS PAGE
 CASE READKEY()=0
      IF KEY1=SPACE(1)
         OK = .F.
      ELSE
        STORE .T. TO &KEY1
      ENDIF
 *NEXT PAGE
 CASE READKEY()=1
      IF KEY2=SPACE(1)
         OX = .F.
      ELSE
         STORE .T. TO &KEY2
      ENDIF
 *PREVIOUS RECORD
 CASE READKEY()=4
      IF RECNO() <> REC_S
         SKIP -1
         STORE .F. TO LOOP2
      ELSE
         ok = .F.
      ENDIF
 *NEXT RECORD
 CASE READKEY()=5
      IF RECNO() <> REC_E
         SKIP +1
         STORE .F. TO LOOP2
      ELSE
         OK = .F.
      ENDIF
 *GOTO PREVIOUS MENU
 CASE READKEY()=12
      STORE .F. TO LOOP1, LOOP2
 OTHERWISE
      ox = .F.
 ENDCASE
 RETURN
 * End-of-procedure : DIRECT
 * End-of-file : GREF.PRG
```

```
* PROCEDURE NAME : GDEL.PRG
* DESCRIPTION
                 : Delete Record of Groundwater Irrigation Scheme
* PREPARED BY
                  : Takuya Igawa, JICA FIDP Team
* PREPARED ON
                  : August 8, 1993
ACTIVATE WONDOW COVER
STORE .T. TO INTRO
FILENAME= GW
DO WHILE .T.
   CLEAR
   &COL1
     1,10 SAY 'JAPAN INTERNATIONAL COOPERATION AGENCY'
     3,10 SAY 'Formation of Irrigation Development Program (FIDP)'
     5,10 SAY 'Inventory Survey'
7,10 SAY 'Groundwater Irrigation Scheme'
   @ 9,10 SAY '(Data Deletion)'
   STORE SPACE(30) TO Q_NAME
STORE SPACE(11) TO Q_ID_NO
   DO WHILE INTRO
      ANS = SPACE(1)
      @ 11, 10 clear
      @ 11, 10 SAY 'Index to search (1) ID Number (2) Scheme Name (0) Quit 'GET ANS @ 22, 10 say 'Select Index to search'
      @ 23, 10 say 'Type 0 and press (Enter) key to go back previous menu'
      READ
      DO CASE
      CASE ANS='0'
         DEACTIVATE WINDOW COVER
         RETURN
      CASE ANS='1'
         NDX_TAG='ID_NO'
      CASE ANS='2'
         NDX TAG='NAME'
      OTHERWISE
         LOOP
      ENDCASE
      USE &FILENAME ORDER &NDX_TAG
      STORE .F. TO INTRO
   ENDDO
   IF ANS='1'
      @ 17, 10 clear
      @ 17, 10 SAY ' ID Number:
                                         ' GET Q_ID_NO
      @ 22, 10 say 'Enter ID Number for deletion'
      @ 23, 10 SAY 'Press (Enter> key to quit'
       @ 24, 10 SAY 'Press (Esc) to help'
      READ
       IF READKEY()=12 .OR. READKEY()=268
          OK = .T.
          DO WIND WITH FILENAME1, NDX_TAG, 'NUM1', 'Q_ID_NO', 'Q_NAME'
          IF .NOT. OK
             LOOP
          ENDIF
       ELSE
         IF Q ID NO = SPACE(11)
             DO RENUMBER
             CLOSE DATABASES
            DEACTIVATE WINDOW COVER
            USE INFO
            GOTO 4
            REPL DATE2 WITH DATE()
            USE
            RETURN
         ENDIF
         SEEK Q_ID_NO
         IF EOF()
            ? CHR(7)
            @ 22, 10 CLEAR
            &COL1
            @ 22, 10 SAY 'Record of '+ TRIM(Q ID NO) + ' does not exist in master file !'
            @ 23, 10 say 'Please check ID Number again'
            &COLO
            WAIT
            LOOP
         ENDIF
```

```
Q_NAME=NAME
      CLEAR
  ENDIF
   IF ANS='2'
      @ 17, 10 clear
                                            ' GET Q NAME
      © 17, 10 SAY 'Scheme Name 'GET Q NAME © 22, 10 say 'Enter Scheme Name for deletion' © 23, 10 SAY 'Press (Enter) key to quit menu'
       @ 24, 10 SAY 'Press (Esc) for help'
      READ
       IF READKEY()=12 .OR. READKEY()=268
           OK=.T.
           DO WIND WITH FILENAME1, NDX TAG, 'NUM1', 'Q ID NO', 'Q NAME'
           IF NOT OK
              LOOP
           ENDIF
       ELSE
          IF Q_NAME = SPACE(30)
              DO RENUMBER
             CLOSE DATABASES
             DEACTIVATE WINDOW COVER
             USE INFO
             GOTO 4
             REPL DATE2 WITH DATE()
             USE
             RETURN
          ENDIF
          SEEK Q_NAME
          IF EOF()
             ? CHR (7)
             @ 22, 10 CLEAR
             &COL1
             @ 22, 10 SAY 'Record of '+ TRIM(Q_NAME) + ' does not exist in master file !'
             @ 23, 10 say 'Please check Scheme Name again'
             &COL0
             TIAW
             LOOP
          ENDIF
       ENDIF
      Q_ID_NO=ID_NO
      CLEAR
   ENDIF
   @ 0, 0 SAY ' ID NO.:
                                                       NAME OF SCHEME:
   €COP1
   @ 0, 10 SAY Q_ID_NO
     0, 45 SAY Q NAME
   %COLO
   DO WHILE .T.
      DO WHILE .T.
          ANS1 = 'N'

© 10, 0 CLEAR

© 10, 10 SAY 'Do you want to delete this record ?' GET ANS1

© 22, 10 say 'Flease type Y or N and press (Enter> key'
          READ
          CLEAR GETS
          IF ANS1 = 'Y' .OR. ANS1 = 'N'
              EXIT
          ENDIF
       ENDDO
       IF ANS1 = 'N'
          EXIT
       ENDIF
       IF ANSL = 'Y'
          DELE
          EXTT
       ENDIF
   ENDDO
ENDDO
* End-of-file : GDEL.PRG
* PROCEDURE NAME : GPRT.PRG
* DESCRIPTION : Print record of groundwater irrigation scheme
* PROCEDURE FILE : HEADER, MASTER1
```

```
* PREPARED BY
                   : Takuya IGAWA, JICA FIDP Team
* PREPARED ON : August 8, 1993
FILENAME = 'GW'
ACTIVATE WINDOW COVER
STORE .T. TO INTROO
STORE .F. TO INTRO1, INTRO2
DO WHILE .T.
   STORE SPACE(30) TO ONAME.ONAMEL.ONAME2
   STORE SPACE(11) TO QID NO, QID NO1, QID NO2
   DO WHILE INTROO
      CLEAR
      &COL1
      @ 1,10 SAY 'JAPAN INTERNATIONAL COOPERATION AGENCY'

    3,10 SAY 'Formation of Irrigation Development Program (FIDP)'
    5,10 SAY 'Inventory Survey'

      @ 7,10 SAY 'Groundwater Irrigation Scheme'
      @ 9,10 SAY '(Data Printout)'
      &COL0
      STORE .F. TO INTROO
      STORE .T. TO INTROL
   ENDDO
   DO WHILE INTRO1
      ANS = SPACE(1)
      @ 11, 10 CLEAR
      @ 11, 10 SAY 'Index to search (1) ID Number (2) Scheme Name (0) Quit ' GET ANS @ 22, 10 say 'Select Index to search'
      @ 23, 10 say 'Type 0 and press (Enter) key to go back previous menu'
      READ
      DO CASE
      CASE ANS-101
         CLOSE DATABASES
         DEACTIVATE WINDOW COVER
         RETURN
      CASE ANS='1'
         NDX_TAG='ID_NO'
      CASE ANS='2'
         NDX TAG='NAME'
      OTHERWISE
         LOOP
      ENDCASE
      USE &FILENAME ORDER &NDX_TAG
      STORE F. TO INTRO1
      STORE .T. TO INTRO2
  ENDDO
  DO WHILE INTRO2
        13, 10 CLEAR
13, 10 SAY '1. One Sheet Print 2. Range Print 0. Previous Menu []'
22, 10 SAY 'SELECT NO. (1 OR 2 OR 0)'
          23, 10 say 'Type 0 and press (Enter) key to go back previous menu'
      QNO = SPACE(1)
         13, 63 GET QNO PICT '9'
     READ
     CLEAR GETS
      IF QNO = '1' .OR. QNO = '2' .OR. QNO = '0'
         STORE .F. TO INTRO2
         EXIT
     ENDIF
  ENDDO
  IF QNO = '0'
     STORE .T. TO INTROL
     LOOP
  ENDIF
  DO CASE
  CASE ANS = '1'
     IF QNO = '1'
         @ 15, 10 CLEAR

15, 10 SAY 'Enter ID Number:'
23, 10 SAY 'Press (Enter) key to go back to previous menu'
24, 10 SAY 'Press (Esc) for help'
15, 26 GET QID NO

         IF READKEY()=12 .OR. READKEY()=268
             OK=.T.
```

```
DO WIND WITH FILENAME, NDX_TAG, 'NUM1', 'QID_NO', 'QNAME'
          STORE .T. TO INTRO2
          LOOP
      ENDIF
      @ 15, 26 SAY QID NO
   ELSE
     IF QID NO = SPACE(11)
         STORE .T. TO INTRO2
         LOOP
     ENDIF
     SEEK QID_NO
     IF EOF()
         ? CHR(7)
            22, 10 CLEAR
         @
         &COL1
         22, 10 SAY 'ID Number of '+TRIM(QID NO)+ ' is not found in master file !'
             23. 10 say 'Please check ID number again'
         &COL0
         TTAW
         STORE .T. TO INTRO2
         LOOP
     ENDIF
   ENDIF
  ok = .T.
  DO printset WITH ok
  IF .NOT. ok
CLOSE DATABASES
      DEACTIVATE WINDOW COVER
      SET DEVICE TO SCREEN
     RETURN
  ENDIF
  ON ESCAPE DO prtetp
   SET DEVICE TO SCREEN
   DO prtmeg WITH .T.
   SET DEVICE TO PRINT
   PAGE = 0
   SEEK QID NO
   DO MASTER1
   ON ESCAPE
   DO prtmeg WITH .F.
   SET DEVICE TO SCREEN
ENDIF
IF QNO = '2'
      15, 10 CLEAR
   @
       15, 10 SAY 'Enter ID Number to start print'
23, 10 SAY 'Press (Enter) key to go back to previous menu'
   Q
   ø
       24, 10 SAY 'Press (Esc) for help'
15, 45 GET QID_NOL
    IF READKEY()=12 .OR. READKEY()=268
       OK=.T.
        DO WIND WITH FILENAME, NDX_TAG, 'NUML', 'QID_NO1', 'QNAME1'
        IF .NOT. OK
           STORE .T. TO INTRO2
           LOOP
        ENDIF
        @ 15, 45 SAY QID_NO1
    ELSE
       IF QID NO1 = SPACE(11)
          STORE .T. TO INTRO2
          LOOP
       ENDIF
       SEEK QID_NOL
       IF EOF()
          ? CHR (7)
          @
             22, 10 CLEAR
          &COL1
          @ 22, 10 SAY 'ID Number of '+TRIM(QID_NO1)+ ' is not found in master file !'
@ 23, 10 say 'Please check ID Number again'
          &COL0
          TIAW
          STORE .T. TO INTRO2
          LOOP
       ENDIF
```

```
ENDIF
Ø
    17, 10 CLEAR
    17, 10 SAY 'Enter ID Number to end print'
23, 10 SAY 'Press (Enter) key to go back to previous menu'
    24, 10 SAY 'Press (Esc) for help'
   17, 45 GET QID NO2
READ
 IF READKEY()=12 .OR. READKEY()=268
    DO WIND WITH FILENAME, NDX_TAG, 'NUM1', 'QID_NO2', 'QNAME2'
    IF NOT OK
       STORE .T. TO INTRO2
       LOOP
    ENDIF
    @ 17, 45 SAY QID_NO2
 ELSE
   IF QID_NO2 = SPACE(11)
      STORE .T. TO INTRO2
   ENDIF
   SEEK QID_NO2
   IF EOF()
      ? CHR(7)
      @ 22, 10 CLEAR
      &COL1

    22, 10 SAY 'ID Number '+TRIM(QID_NO2)+ ' is not found in master file !'
    23, 10 say 'Please check ID number again'

       &COL0
      WAIT
      STORE .T. TO INTRO2
      LOOP
   ENDIF
 ENDIF
IF QID NO1 > QID_NO2
   ? CHR (7)
       22, 10 CLEAR
   &COL1
      22, 10 SAY 'Invalid Range !!'
23, 10 say 'Please enter print range again'
   &COL0
   TLAW
   STORE .T. TO INTRO2
   LOOP
ENDIF
*----
SET FILTER TO QID_NO1 <= ID_NO .AND. ID_NO <= QID_NO2
ok = .T.
DO printset WITH ok
IF .NOT ok
   DEACTIVATE WINDOW COVER
   CLOSE DATABASES
   SET DEVICE TO SCREEN
   RETURN
ENDIF
ON ESCAPE DO pristp
SET DEVICE TO SCREEN
DO prtmeg WITH .T.
SET DEVICE TO PRINT
DO WHILE .T.
   SELE A
   PAGE = 0
   DO MASTER1
   SELE A
   *----
   SKIP +1
   IF EOF()
      EXIT
   ENDIF
```

ENDDO

```
Sample of Computer Program
Data Strage & Ratrieval Sub-system
```

```
ON ESCAPE
      DO prtmsg WITH .F.
      SET FILTER TO
      SET DEVICE TO SCREEN
   ENDIF
CASE ANS='2'
   IF QNO = '1'
      0
        15, 10 CLEAR
          15, 10 SAY 'Enter Scheme Name:'
23, 10 SAY 'Press (Enter) key to go back to previous menu'
           24, 10 SAY 'Press (Esc) for help'
       œ
          15, 28 GET QNAME
      READ
       IF READKEY()=12 .OR. READKEY()=268
          OK=.T.
          DO WIND WITH FILENAME, NDX_TAG, 'NUM2', 'QID NO', 'QNAME'
           IF .NOT. OK
              STORE .T. TO INTRO2
              LOOP
          ENDIF
          @ 15, 28 SAY QNAME
       ELSE
         IF QNAME = SPACE(30)
             STORE .T. TO INTRO2
             LOOP
         ENDIF
         SEEK QNAME
          IF EOF()
             ? CHR(7)
                22, 10 CLEAR
             &COL1
             22, 10 SAY 'Scheme Name '+TRIM(QNAME)+ ' is not found 1'
23, 10 say 'Please check Scheme Name again'
             &COL0
             TIAW
             STORE .T. TO INTRO2
             LOOP
          ENDIF
       EMDIF
       ok = .T.
       DO printset WITH ok
       IF .NOT. ok
          CLOSE DATABASES
          DEACTIVATE WINDOW COVER
          SET DEVICE TO SCREEN
          RETURN
       ENDIF
       ON ESCAPE DO pristp
       SET DEVICE TO SCREEN
       DO prtmsg WITH .T.
       SET DEVICE TO PRINT
       PAGE = 0
       SEEK QNAME
       DO MASTERI
       ON ESCAPE
       DO prtmag WITH .F.
       SET DEVICE TO SCREEN
    ENDIF
    IF QNO = '2'
          15, 10 CLEAR
           15, 10 SAY 'Enter Scheme Name to start print'
23, 10 SAY 'Press (Enter) key to go back to previous menu'
            24, 10 SAY 'Press (Esc) for help'
           15, 45 GET QNAMEL
       READ
        IF READKEY()=12 .OR. READKEY()=268
           DO WIND WITH FILENAME, NDX_TAG, 'NUM2', 'QID_NO1', 'QNAME1'
           IF .NOT. OK
               STORE .T. TO INTRO2
               LOOP
           ENDIF
           @ 15, 45 SAY QNAME1
        ELSE
```

```
IF QNAME1 = SPACE(30)
        STORE .T. TO INTRO2
        LOOP
     ENDIF
     SEEK ONAMEL
     IF EOF()
        ? CHR(7)
        @
            22, 10 CLEAR
        &COL1

    22, 10 SAY 'Scheme Name '+TRIM(QNAME1)+ ' is not found in master file !'
    23, 10 say 'Please check Scheme Name again'

        &COT0
        TIAW
        STORE .T. TO INTRO2
        LOOP
    ENDIF
  ENDIF
     17, 10 CLEAR
     17, 10 SAY 'Enter Scheme Name to end print'
23, 10 SAY 'Press (Enter) key to go back to previous menu'
 æ
      24, 10 SAY 'Press (Esc) to help'
     17, 45 GET QNAME2
 READ
  IF READKEY()=12 OR. READKEY()=268
     OK=.T.
     DO WIND WITH FILENAME, NDX_TAG, 'NUM1', 'QID_NO2', 'QNAME2'
     IF .NOT. OK
        STORE .T. TO INTRO2
         LOOP
     ENDIF
     @ 17, 45 SAY QID_NO2
  ELSE
    IF QNAME2 = SPACE(30)
       STORE .T. TO INTRO2
       q_{OO,T}
    ENDIF
    SEEK QNAME2
    IF EOF()
       ? CHR(7)
       æ
           22, 10 CLEAR
       &COL1

    22, 10 SAY 'Scheme Name of '+TRIM(QNAME2)+' is not found in master file !'
    23, 10 say 'Please check Scheme Name again'

       &COL0
       WATT
       STORE .T. TO INTRO2
       LOOP
    ENDIF
 ENDIF
IF QNAME1 > QNAME2
    ? CHR(7)
    Ø
        22, 10 CLEAR
    &COL1

22, 10 SAY 'Invalid Range !!'
23, 10 say 'Please enter print range again'

    &COL0
    WATT
    STORE .T. TO INTRO2
   LOOP
ENDIF
SELE A
SET FILTER TO QNAME1 <= NAME .AND. NAME <= QNAME2
GOTO TOP
ok = .T.
DO printset WITH ok
IF .NOT. ok
   DEACTIVATE WINDOW COVER
   CLOSE DATABASES
   SET DEVICE TO SCREEN
   RETURN
ENDIF
ON ESCAPE DO pristp
SET DEVICE TO SCREEN
DO prtmsg WITH .T.
```

```
SET DEVICE TO PRINT
       DO WHILE .T.
          SELE A
          PAGE = 0
          DO MASTERI
          SELE A
          SKIP +1
          IF EOF()
            EXIT
          ENDIF
       ENDDO
       ON ESCAPE
       DO primag WITH .F.
       SET FILTER TO
       SET DEVICE TO SCREEN
     ENDIF
  ENDCASE
STORE .T. TO INTRO2
ENDDO
PROC HEADER
* PROCEDURE NAME : HEADER
               : PRINT HEADER OF GROUNDWATER IRRIGATION SCHEME RECORDS
* DESCRIPTION
PAGE = PAGE + 1
                                                                          PAGE NO. __ OF 2'
@ PROW()+1, 0 SAY 'Groundwater Irrigation Scheme
@ PROW(), 71 SAY PAGE PICT '99'
                                                        ID NO. :
PROW()+1, 0 SAY 'NAME : PROW() , 7 SAY NAME
        51 SAY ID_NO
@ PROW()
RETURN
* End-of-procedure : HEADER
PROC MASTER1
  PROCEDURE NAME : MASTER1
               : MAIN BODY OF DATA PRINT FOR GROUNDWATER IRIGATION SCHEME
  DESCRIPTION
   DO HEADER
   @ PROW()+2 , 0 SAY "1.
@ PROW()+2, 0 SAY "1.1
                            LOCATION"
                            Province:"
   @ PROW()+1 , 0 SAY "
                                   Code
                           Name "
            ,25 SAY B
    PROW()
                         PICT "XX"
            ,23 SAY Qlla
                         ,37 SAY Q11b
   @ PROW()
                            Kabupaten:"
   @ PROW()+2 , 0 SAY "1.2
                                   Code
   @ PROW()+1 , 0 SAY "
                         Name "
             ,27 SAY "
                         PICT "XXXX"
             ,23 SAY Q12a
    PROW()
                        ,37 SAY Q12b
   @ PROW()
                            Kecamatan:"
    PROW()+2 , 0 SAY "1.3
   @ PROW()+1 , 0 SAY "
                            1.
             ,16 SAY "Code"
    PROW()
             ,20 SAY "
   @ PROW()
             ,29 SAY "
                      Name "
    PROW()
             ,23 SAY Q131a PICT "XXXXXX"
   @ PROW()
             @ PROW()
                       2.
Name "
                                   Code
   @ PROW()+1 , 0 SAY "
             ,29 SAY "
     PROW()
             ,23 SAY Q132a PICT "XXXXXX"
     PROW()
             PROW()
                       3.
Name "
                                   Code
     PROW()+1 , 0 SAY "
             ,29 SAY "
     PROW()
             ,23 SAY Q133a PICT "XXXXXX"
             PROW()
                                   Code
   @ PROW()+1 , 0 SAY "
                            4.
             ,29 SAY "
                        Name "
     PROW()
             @ PROW()
   @ PROW()
                                   Code
   @ PROW()+1 , 0 SAY "
                            5.
             ,29 SAY "
                        Name "
   @ PROW()
             ,23 SAY Q135a PICT "XXXXXX"
   @ PROW()
             @ PROW()
                                    Code
   @ PROW()+1 , 0 SAY "
                            6.
```

```
,29 SAY "
@ PROW()
                           Name "
              ,23 SAY Q136a PICT "XXXXXX"
@ PROW()
             @ PROW()+1 , 0 SAY "
@ PROW() ,29 SAY "
                                7.
                                           Code
                           Name "
@ PROW()
              ,23 SAY Q137a PICT "XXXXXX"
@ PROW()
             ,23 SAY Q138a PICT "XXXXXX"
              ,37 SAY Q138b PICT "XXXXXXXXXXXXXXXXXXXXXXX
@ PROW()
@ PROW()+2 , 0 SAY "2.
                                  STATUS OF SCHEME"
@ PROW()+2 , 0 SAY "2.1
                                  Select Present Status of Sub-project (not limited to one answer):"
@ PROW()+1 , 0 SAY "
                                  ( ) On-going/Construction or Extension"
             , 9 SAY Q21a
                               PICT "X"
@ PROW()
@ PROW()+1
                               () Proposed/Construction or Extension" PICT "X"
             , 9 SAY Q21b
@ PROW()
@ PROW()+2 , 0 SAY "2.2
                                 On-going/Construction or Extension:"
               0 SAY "2.2.1
@ PROW()+2 ,
                                History"
            1 , 0 SAY " ( ) F/S for construction was conducted in 19" , 9 SAY Q221al PICT "X"
@ PROW()+1 , 0 SAY "
@ PROW()
© PROW() ,53 SAY Q221a2 PICT "XX"

© PROW()+1 , 0 SAY " ( ) D/
@ PROW() ,53 SAY Q221b2 PICT "XX" @ PROW()+1 , 0 SAY " () Co
                                ( ) Construction was commenced in 19"
@ PROW()+1 , 0 SAY " ( ) Construction was commenced in 19"
@ PROW() , 9 SAY Q221c1 PICT "X"
@ PROW() , 45 SAY Q221c2 PICT "XX"
@ PROW()+1 , 0 SAY " ( ) Construction was suspended in 19"
@ PROW() , 9 SAY Q221d1 PICT "X"
@ PROW() , 45 SAY Q221d2 PICT "XX"
@ PROW()+2 , 0 SAY "2.2.2 Lending Agency: "
@ PROW() ,24 SAY Q222
@ PROW()+2 ,0 SAY "2.3
                               PICT "XXXXXXXXXXX"
                                 Proposed/Construction or Extension:"
PROW() , 9 SAY " () No investigation was made so far."

PROW() , 9 SAY Q231al PICT "X"

PROW()+1 , 0 SAY " () P/2 -
PROW() , 9 SAY " () F/S for construction was conducted in 19"

PROW() , 9 SAY Q231b1 PICT "X"

PROW() ,53 SAY Q231b2 PICT "XX"

PROW()+1 , 0 SAY " () D/O T
            , 0 SAY " ( ) D/D for construction was conducted in 19"
, 9 SAY Q231c1 PICT "X"
© PROW() ,53 SAY Q231c2 PICT "XX" 
@ PROW()+1 , 0 SAY " ( ) Cor
@ PROW() , 9 SAY Q231d1 PICT "X"
@ PROW() , 49 SAY Q231d2 PICT "XX"
@ PROW() +1 , 0 SAY " { 1 C-
                                 ( ) Construction will be commenced in 19"
                                 ( ) Construction will be completed in 19"
@ PROW() , 9 SAY Q231e1 PICT "X"
PROW() ,49 SAY Q231e2 PICT "XX"

PROW()+2 , 0 SAY "2.3.2 Lending Agency: "
            ,24 SAY Q232 PICT "XXXXXXXXXXX
@ PROW()
EJECT
DO HEADER
@ PROW()+2 , 0 SAY "3.
                                 AREA"
@ PROW()+1 , 0 SAY "
                                                                                              Unit: ha"
@ PROW()+1 , 0 SAY "-----
@ PROW()+1 , 0 SAY " Description
@ PROW()+1 , 0 SAY "----
@ PROW()+1 , 0 SAY "3.1
                              Irrigated Paddy Fiield
            ,46 SAY "
@ PROW()
Rainfed Paddy Field
Upland Field
             ,39 SAY Q33a PICT "999,999"
© PROW() . .54 SAY Q33b PICT "999,999"
© PROW()+1 , 0 SAY "3.4 Others
             ,46 SAY "
@ PROW()
@ PROW()
             ,39 SAY Q34a PICT "999,999"
@ PROW() ,54 SAY Q34b PICT "999,999"
@ PROW()+1 , 0 SAY "3.5 Total
             ,46 SAY "
@ PROW()
             ,39 SAY Q35a PICT "999,999"
@ PROW()
```

Sample of Computer Program Data Strage & Retrieval Sub-system

```
@ PROW()+1 , 0 SAY "
                             Description
@ PROW()+1 , 0 SAY "---
© PROW()+1 , 0 SAY "4.1
© PROW() ,46 SAY " nos
© PROW() ,63 SAY " m"
                             Shallow (ITTW)
           ,39 SAY Q41a PICT "999,999"
• FROM() ,39 SAY Q41a PICT "999,999"

• PROW() ,57 SAY Q41b PICT "999,99"

• PROW() ,0 SAY "4.2 Deep (DTW)

• PROW() ,63 SAY " nos "

• PROW() ,63 SAY " m"

• PROW() ,39 SAY Q42a PICT "999,999"

• PROW() ,57 SAY Q42b DICT "999,999"
@ PROW()
@ PROW() ,57 SAY Q42b PICT "999,999"
@ PROW()+1 , 0 SAY "......
@ PROW()+3 , 0 SAY "5.
                             CONSTRUCTION COST
@ PROW()+1 . 0 SAY "
                                                         Unit: Million Rp. "
@ PROW()+1 , 0 SAY "----
@ PROW()+1 , 0 SAY "
                         Description
@ PROW()+1 , 0 SAY "
EJECT
```

RETURN

- * End-of-procedure : MASTER1
- * End-of-file : GPRT.PRG

Annex J Land Development

ANNEX - J

LAND DEVELOPMENT

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Text

어느 이 그들이 농사는 회사들은 사이 하셨다. 이 동안의 사람들에는 화작을 받았다. [187] [88]	
그는 그는 그는 그는 사람들도 없는 사람들은 사람들이 가장 되었는데 비를 모습니다면 걸어 없어 하였다.	
그리 되는 이 그는 그는 그는 그가 있어 할 만들다고 있는데 살리는 등 수 있는데 이 이 이 때문에 된다.	
어느로 하는 어느 이 경기를 보고 있다. 그 그 사람들은 이 이 그들은 이 그 사람들은 살을 수 있는데 이 모양을 다 하는데 없다.	
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으로 보는 것이 되는 것이 되었다. 	

1. Past Performance of Land Development

The land development project initiated in 1979/80 under the Directorate of Land rehabilitation and development (DLRD), Directorate General of food Crops Agriculture (DGFCA), Ministry of Agriculture was a support to farmers through the credit from the Bank Rakyat Indonesia. However, to the target of 700,000 ha for Repelitas III and IV, only about 350,000 ha consisting of 110,000 ha by the Credit and 240,000 ha by farmers themselves, were completed.

Based on the above experiences, a new policy to reach the target of land development, 375,000 ha for the Repelita V was issued in August 1989. The new policy comprises "Assisted Selfhelp Development System" and "Private Credit Land development System".

In the assisted self-help development system, part of the land development works becomes a contribution by the Government. It includes site selection (Investigation), survey and design, farmers registration, land clearing, land leveling and supervision. The field dikes and field canals are constructed by the farmers themselves.

According to the inventory data in April 1989 of the Directorate of Irrigation I, DGWRD, Ministry of Public Works, about 860,000 ha are estimated as potential areas to be still developed by irrigation out of about 4,820,000 ha of the designed irrigation area handled by the Directorates except the Directorate of Swamp of DGWRD, and out of the above 860,000 ha, it is said that the farm land of about 300,000 ha remains undeveloped notwithstanding that the main systems for irrigation have been completed. To solve this matter, the land development of 375,000 ha including the development in swamp and village irrigation schemes has been a target for Repelita V.

2. Performance in Repelita V

Table 2.1 to Table 2.8 show the yearly target, contracted amount, progress and completed works by farmers themselves in the objective areas of the Central Government (APBN) and the sector program loan from OECF. The land development work is largely divided into the land clearing and land leveling operated by the Government and the paddy field formation consisting of the works for dikes, canals, roads, etc. in field to be principally constructed by farmers. The work is competed after the finishing of paddy field formation. On the other hand, there are the land developed by farmers themselves in the objective area. The real completed work is expressed as the total of the area where the paddy field formation finished and the area developed by farmers themselves.

The following table presents that the target of land development in Repelita V will reach to 437,000 ha and that for Sumatera is the biggest. (see Table 2.9)

Physical Target of Land Development in Repelita V

			2.5		U	nit : ha
Province	1989/90	1990/91	1991/92	1992/93	1993/94	Total
Sumatera	26,743	49,677	50,358	44,959	22,001	193,738
Jawa	16,326	18,127	9,000	8,370	6,225	58,048
Bali/Nusa Tenggara	3,209	9,317	4,138	2,500	2,600	21,764
Kalimantan	12,001	13,989	16,619	14,866	6,595	64,070
Sulawesi	21,666	22,381	21,943	16,110	6,300	88,400
Maluku/Irian Jaya	1,550	2,316	2,491	2,850	2,140	11,347
INDONESIA	81,494	115,807	104,549	89,655	45,861	437,367

Source: Directorate of Land Rehabilitation & Development, DGFCA, March 15,1993

Actually, however, the total achievement of land development in Repelita V will be counted to be about 302,000 ha. The actual achievement of land development is estimated at 257,000 ha, about 65 % of the target as of the end of 1992/93, and those in Sumatera and in Jawa are 60 % and 92 % respectively. It shows that the land development in Repelita V becomes the biggest in Sumatera in its amount, but in Jawa in its progress. (see Table 2.10)

Physical Progress of Land Development in Repelita V

				•	-	Unit : ha
Province	1989/90	1990/91	1991/92	1992/93	1993/94	Total
				· · · · · · · · · · · · · · · · · · ·		
Sumatera	27,889	28,612	28,468	18,033	22,001	125,002
Jawa	17,245	15,284	9,503	5,637	6,225	53,894
Bali/Nusa Tenggara	747	6,483	4,379	2,602	2,600	18,771
Kalimantan	8,255	10,684	7,758	5,818	6,595	39,110
Sulawesi	20,458	12,527	16,115	4,715	6,300	60,115
Maluku/Irian Jaya	3,859	770	667	277	2,140	5,753
INDONESIA	78,454	74,359	66,889	37,082	45,861	302,645

Source: Directorate of Land Rehabilitation & Development, DGFCA, March 15,1993

The land development has been carried out through the Government; budget (APBN) and the program loan from OECF, and by farmers themselves. The following tables show that the physical achievement of land development will be 139,000 ha through APBN, 90,000 ha through the OECF loan and 74,000 ha by farmers (see Table 2.11 to Table 2.13)

Physical Progress of Land Development by Government' Budget (APBN)

-						Unit : ha
Province	1989/90	1990/91	1991/92	1992/93	1993/94	Total
	Progress	Progress	Progress	Progress	Target	
Sumatera	322	19,092	16,984	7,262	22,001	65,660
Jawa	0	7,523	8,820	2,250	6,225	24,819
Bali/Nusa Tenggara	0	1,382	3,202	853	2,600	8,036
Kalimantan	250	3,918	4,486	2,065	6,595	17,314
Sulawesi	0	2,940	8,494	1,923	6,300	19,658
Maluku/Irian Jaya	. 0	770	467	277	2,140	3,654
INDONESIA	571	35,626	42,453	14,630	45,861	139,141

Source: Directorate of Land Rehabilitation & Development, DGFCA, March 15,1993

Physical Progress of Land Development by Loan

						Unit: ha
Province	1989/90	1990/91	1991/92	1992/93	1993/94	Total
	Progress	Progress	Progress	Target		
Sumatera	17,442	5,072	5,767	7,300	n.a.	35,580
Jawa	15,081	4,415	0	0	n.a.	19,496
Bali/Nusa Tenggara	837	2,029	369	500	n.a.	3,736
Kalimantan	4,609	1,757	1,068	3,440	n.a.	10,873
Sulawesi	13,396	2,836	0	2,500	n.a.	18,732
Maluku/Irian Jaya	1,308	0	0	0	n.a.	1,308
INDONESIA	52,673	16,108	7,203	13,740	n.a.	89,725

Source: Directorate of Land Rehabilitation & Development, DGFCA, March 15,1993

Physical Progress of Land Development by Farmers during 1989/90 to 1992/93

	·				Unit: ha
Province	1989/90	1990/91	1991/92	1992/93	Total
Sumatera	10,125	4,448	5,717	3,470	23,761
Jawa	2,164	3,346	682	3,387	9,579
Bali/Nusa Tenggara	1,870	3,071	809	1,249	6,999
Kalimantan	3,397	5,009	2,205	313	10,923
Sulawesi	7,062	6,751	7,620	293	21,726
Maluku/Irian Jaya	591	0	200	0	791
INDONESIA	25,209	22,625	17,233	8,712	73,779

Source: Directorate of Land Rehabilitation & Development, DGFCA, March 15,1993

Table following tables exhibit the contracted price and physical amount during 1989/1990 to 1991/92. The average unit price during the above period is estimated at 458,000 Rp/ ha. (see Table 2.14 and Table 2.15)

Contract Amount of Land Development during 1989/90 to 1991/92

			N. N.	lillion Rp.
Province	1989/90	1990/91	1991/92	Total
Sumatera	8,514	17,426	27,254	53,193
Jawa	5,821	4,651	3,572	14,044
Bali/Nusa Tenggara	358	1,086	2,219	3,664
Kalimantan	3,308	4,458	10,439	18,204
Sulawesi	7,977	7,362	9,995	25,334
Maluku/Irian Jaya	611	544	834	1,990
INDONESIA	26,589	35,527	54,313	116,429

Source: Directorate of Land Rehabilitation & Development, DGFCA, March 15,1993

Physical Amount of Contract of Land Development during 1989/90 to 1991/92

			· · · · · · · · · · · · · · · · · · ·	Unit: ha
Province	1989/90	1990/91	1991/92	Total
Sumatera	26,660	37,780	44,639	109,079
Jawa	16,326	11,915	9,000	37,241
Bali/Nusa Tenggara	3,209	4,835	4,130	12,174
Kalimantan	11,834	8,848	15,780	36,462
Sulawesi	21,666	15,880	18,094	55,640
Maluku/Irian Jaya	4,759	1,286	1,057	7,101
INDONESIA	81,244	80,544	92,700	254,488

Source: Directorate of Land Rehabilitation & Development, DGFCA, March 15,1993

3. Future Necessity of Land Development

There are about 300,000 ha still remained undeveloped in the existing irrigation schemes in accordance with the inventory survey results by JICA, FIDP Team. Moreover, in the future, land development for irrigation sub-sector will be required with the extension program of existing schemes and the program of new irrigation schemes.

Tables

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그리고 있는데 그는 이 보면 보다 있는 사람들은 살아왔는데 잘 먹고 있는 때문에 살려가 되었다.
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그는 어떤 병원들은 물과 이 회에서 한밤없다면 그림을 하는 것은 그리는 화면 되었다. 기부의 말했다는 모습니다
그는 그 그는 어느로 한번 그리고 있는 그 이는데 되는 가장 그렇게 된 것 같은 이는 그를 받는데 어디다.
그리는 사람들의 학자를 맞는 및 전략하다고요. 토수들이 도리왕으로 축구들이는 이번 환경을 받는다. 작가 모
그는 어느로 하다는 시작을 받는데 그렇게 하는데 하는데 이를 보는데 아니는 사람들이 되었다.
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Table 2.1 Progress of land Development by APBN 1989/90

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Table 2.2 Progress of land Development by OECF Program Loan 1989/90

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2 3 4 D.I.Aceh 4,166 1,848,600 Sumatera Utara 2,500 1,044,928 Sumatera Barat 4,17 1,556,350 Riau 2,000 679,000 Jambi 2,141 825,400 Sumatera Selatan 3,600 672,043 Bengkulu 3,179 1,499,100 Lampung 4,595 1,579,250 Sumatera 10,512 3,828,600 D.K.I.Jakara 10,512 3,828,600 D.K.I.Jakara 10,512 3,828,600 D.K.J.Jakara 10,512 3,828,600 D.K.J.Jakara 10,512 3,828,600 D.I.Jogyakarta 3,500 1,225,500 Jawa Timur 3,500 1,225,500 Jawa M.TB 1,000 312,500 N.TB 1,000 312,500 N.TB 1,000 355,400 Timor Timur 1,059 423,600 Balin'vasa Tenggara 3,209 1,136,500	H = H = 20	55 57 57 57 57 57 57 58 58 58 58 58 58 58 58 58 58 58 58 58	9=5-7.		21,884 496,301 780,165 316,706 370,307 216,229 0 2,201,593	-082028	13=4-6			(524)	2017
D.I.Aceh 4,166 1,848,600 Sumatera Utara 2,500 1,044,928 Sumatera Barat 4,157 1,556,350 Riau 2,000 679,000 Jambi 2,141 825,400 Sumatera Selatan 3,600 672,043 Bengkalu 3,179 1,499,100 Lampung 4,595 1,579,250 Sumatera Barat 10,512 3,828,600 D.I.Jogyakarta 10,512 3,828,600 D.I.Jogyakarta 1,885 558,800 D.I.Jogyakarta 1,885 558,800 D.I.Jogyakarta 1,885 558,800 D.I.Jogyakarta 1,895 558,800 D.I.Jogyakarta 3,500 1,225,500 N.TB 1,000 312,500 N.TB 1,000 355,400 Timor Timur 1,059 423,600 Balir\text{Nava} Timur 3,209 1,136,500		4,165 1,570 2,870 6,16 1,806 2,722 2,440 18,253 1,192 1,192 1,192 1,548 1,548	ਜ਼ੀ 	ਜ਼ੌ ਜ਼ਿੱਲ ਲੈ ਜ਼ਿਲ	21,884 496,301 780,165 0 316,706 370,307 216,229 0 2,201,593	1 0 578 1,384 0 0 1,734 295	17.1	14	12	QT	OT+*T=*/T
D.L.Aceh	4 m m m m m m m m m m m m m m m m m m m	1,570 2,870 2,870 2,064 1,806 2,722 2,440 18,253 1,192 1,192 1,192 1,548 1,548	ਜ਼ੀ 	र ⊷ं∨० ल ल∨	496,301 780,165 0 316,706 370,307 216,229 0 2,201,593	578 1,384 0 1,734 295	ř	4,051	0	0	
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Sumatera Barat 4, 137 1, 130, 130, 130, 130, 130, 130, 130, 1	1	10.395 1.906 1.806 1.806 1.806 1.806 1.806 1.192 1.192 4.58 3.500 1.5,545	ਜ਼ੀ	ਜੁੱਕ ਲੰਜਪ	316,706 370,307 216,229 0 2,201,593	1,384 0 1,734 295	4,863	2,784	770	670	•
Rhau 2,000 679,000 1,0		2,0064 1,806 1,806 2,722 2,440 18,253 1,192 4,58 3,500 1,5,545	म्बं	ਜ਼ਿਲ੍ਹੇ ਲੰਜ਼ਲ	316,706 370,307 216,229 0 2,201,593	1,734	415,851	408	208	. 15	
Jambi Jambi Jambi Jambi Jambi Jambi Jambara Jampung Jambara Jawa Tengah Jawa Timur Jawa Jawa Jawa Jawa Jawa Jawa Jawa Jaw	- 22 K N	2,004 1,006 2,722 2,440 18,253 10,395 1,192 4,58 3,500 15,545	, 4	ല്∨ര്ത്∺ഗ	216,229 0 2,201,593	1,734	720	2.064	0	1,661	
Sumatera Selatan 3,600 672,043 Bengshili 1,499,100 Lampung 4,595 1,579,250 Sumatera 26,338 9,684,671 2 D.K.I.Jakarta 10,512 3,828,600 11 Jawa Barat 10,512 3,828,600 11 Jawa Timur 3,500 1,235,500 Jawa Timur 1,826 5,848,300 Jawa 1 1,000 312,500 NTB 1,000 312,500 NTB 1,000 312,500 Timor Timur 1,000 355,400 Timor Timur 1,059 423,600 Baliryasa Tenggara 3,209 1,136,500	- 20 E - 10	1,806 2,722 2,440 18,253 10,395 1,192 4,58 3,500 15,545	, 	. ല്ശ് ത് ⇔. ഗ	216,229 216,229 0 2,201,593	295	050 6	1.806	0	0	
Bengkulu 3,179 1,499,100 Lampung 4,595 1,579,250 Sumatern 26,338 9,684,671 2 D.K.I.Jakarra Jawa Barat 10,512 3,828,600 1 Jawa Tengah 1,886 556,800 D.I.Jogyakarta 4,58 157,400 Jawa Timur 3,500 1,325,500 Jawa Timur 1,6,326 5,848,300 1 Bali 150 45,000 NTB 1,000 332,500 NTB 1,000 332,500 Timor Timur 1,059 4,23,600 Bali/Nusa Tenggara 3,209 1,135,500	∞ €	2,722 2,440 18,253 10,395 1,192 4,58 3,500 15,545		1.191,362 884,280 6,266,740 3,805,515 347,525 136,914 1,325,000 5,612,955	2,201,593	CK7	200,10	2 337	929	120	
Lampung 4,595 1,579,250 Sumatern 26,338 9,684,671 2 D.K.I.Jakarta Jawa Barat 10,512 3,828,600 1 Jawa Tengah 1,856 556,800 D.I.Jogyakarta 4,88 157,400 Jawa Timur 3,500 1,325,500 Jawa Timur 1,6326 5,848,300 1 Bali 150 45,000 NTB 1,000 312,500 NTT 1,000 355,400 Timor Timur 1,059 4,23,600 Baliryasa Tenggara 3,209 1,136,500	∞ " ⊸ ∾	2,440 18,253 10,395 1,192 4,58 3,500 15,545	•	884,280 6,266,740 3,805,515 347,525 135,914 1,323,000 5,612,955	2,201,593		V1,303	200	3	607	
Sumatern 26,338 9,684,671 2 D.K.I.Jakarta 10,512 3,828,600 1 Jawa Barat 1,836 556,800 1 Jawa Timur 3,500 1,325,500 1 Jawa Timur 16,326 5,848,300 1 Bali 1,500 3,500 1,225,500 NTB 1,000 312,500 1 NTB 1,000 355,400 1 Timor Timur 1,000 355,400 1 Timor Timur 1,059 423,600 Baliryasa Tenggara 3,209 1,136,500	∞ ∞ ⊸∨	18,253 10,395 1,192 458 3,500 15,545	•	6,266,740 3,805,515 347,525 136,914 1,325,916 5,612,956	2,201,593	2,155	694,970	74.7	2 .	2,000	1000
D.K.I.Jakarta 10.512 3,828,600 1 Jawa Tengah 1,856 556,800 1 D.I.Jogyakarta 458 137,400 Jawa Timur 3,500 1325,500 Jawa 16,326 5,848,300 1 Bali 1,600 312,500 1 NTB 1,000 355,400 1,000 355,400 Timor Timur 1,009 355,400 1,000 355,600 Baliryasa Tenggara 3,209 1,136,500 825,600	w ⊣.v.	10,395 1,192 458 3,500 15,545		3,805,515 347,525 136,914 1,323,000 5,612,955		6,147	1,245,180	17,442	1,634	กักที	
D.K.I.Jakara 10,512 3,828,600 1	ന് പ്ഗ്	10,395 1,192 458 3,500 15,545		3,805,515 347,525 136,914 1,323,000 5,612,955							
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Lilogyskarta 1,630 330,500 Lilogyskarta 458 137,400 Lawa Timur 3,500 1,325,500 Lawa Timur 16,326 5,848,300 1 Lawa Linur 1,000 312,500 Linur Timur 1,000 355,400 Timor Timur 1,059 423,600 Bali-Nusa Tenggara 3,209 1,135,500	-i v	458 3,500 15,545		136,914 1,323,000 5,612,955	193,623	0	15,652	1,192	0	1,348	2,540
D.L.logyasaria 458 157,400 Jawa Timur 3,500 1,325,500 Jawa 16,326 5,848,300 1 Bali 150 45,000 NTB 1,000 312,500 NTT 1,000 355,400 Timor Timur 1,059 4,23,600 Bali/Nusa Tenggara 3,209 1,136,500	-i v	3,500		1,323,000	C	0	486	0	0	_	. 0
Jawa 15,300 1,525,500 1 Jawa 16,326 5,848,300 1 Bali 1,000 312,500 312,500 NTT 1,000 355,400 7 Timor Timur 1,059 423,600 8 Balifyusa Tenggara 3,209 1,136,500 3,209	38.	15,545		5.612.955	0	0	2,500	3,500	0	0	
Bali 150,520 5,099,500 NTB 1,000 312,500 NTT 1,000 355,400 Timor Timur 1,059 423,600 Bali/Nuss Tenggara 3,209 1,136,500	î		781		207.730	٥	27,616	15,081	Ö	1,348	
Bai 150 45,000 NTB 1,000 312,500 NTT 1,000 355,400 Timor Timur 1,059 423,600 Bali/Nuss Tenggara 3,209 1,136,500							•				
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N15 N17 N17 Timor Timu 1,000 335,400 Timor Timu 1,059 423,600 Balinusa Tenggara 3,209 1,136,500		0	0	0	0	1,000	312,500	6	0	1,043	
Timor Timur 1,059 423,600 Bali-Nusa Tenggara 3,209 1,136,500	313,400	973	0	313,400	0	27	42,000	735	238		0 735
Bali Nusa Tenggara 3,209 1,136,500		C			0	1,059	423,600	0	0		
	358.377	1.075	. 84	340,386	17,991	2,086	778,123	837	238		
						٠	٠				
	1,396,112	2,880	110 0	1,186,497	209,615	3,409	766,388	492	73	645	5 1,137
Kalimantan Tengah 3,183 1,160,600		3,069	0	1,125,903	0	114	34 697	2,619	4	3 .	
Kalimantan Selatan 1.100 495,000	379,208	800	0	379,208	0	300	115,792	00 t	5	₹;-	
901 362,650		. 268		311,869	21,768	4		/69	370	\$ 1 C	707'7
Kalimantan 11,584 4	3,234,860	7,646	110 0	3,003,477	231,383	3,828	945,890	4,	157,5	0 7 C/7	
699 C 050 C55 C	126 224	3	0 263	17.732	118.502	2,345	833,516	0	0	693	
4. 6707 A 170 220	4	6.849		2.5	1,595,849	0		5,381	0	1,476	
Sulawest Calatan 6,000 1,000 7,000					47,487	0	0	3,884	1,962	1,637	
4.000 1.724.050 A			1		70,041	:	9,819	4,130	O	1,476	
Sulawes 21,666 8,820,032			2,954 499	:	1,831,880	2,345	843,335	13,396	1,962	5,282	2 18,678
		•							c	•	
Maluku 1,000 411,900 1		1,000		ч	0	0 (421	1,000	0 20		000
Irian Jaya 550		486	0		135,745	⇒ · :	o ;	80¢	6	Ŧ.	€
Maluku/Irian Jaya 1,550 611,900 4,759		1,486	88	475,734	135,745	0	421	1,308	732	7 T	: .
NTONESTA 80.673.30.282.153 80.673	80 673 26 441 588	89.879	3,988 2,407	21,844,109	4,626,321	14,406	3,840,565	52.673	7,305	15,942	2 68,615

Table 2.3 Progress of land Development by APBN 1990/91

Property Property										-				T HEREN		and consumers from	Total at
Compileted Contraction Con				Distant		The and The shall	1			3 24 10.0				111111111111111111111111111111111111111		Thememore	10 20 1
Completed Out-One Completed Out-One Completed Out-One Completed Out-One Completed Out-One Completed Out-One Completed Out-Out-Out-Out-Out-Out-Out-Out-Out-Out-	2		ray saled	asmo	TOT V	raci lota	raysical Ke	alization of	Corumn No.5	Dudgetary K	eauzanon No 6	Not ye	Contracted		٠.,	mers themselv	Achievement
(Ha) (Ha) <th< td=""><td>j</td><td>CIONTICE</td><td></td><td></td><td>Part.</td><td>Amount</td><td>Completed 100%</td><td></td><td>not yet nolemented</td><td>Already Paid</td><td>Not yet Paid</td><td>Area</td><td>Amount</td><td></td><td>On-Going</td><td>Completed 100%</td><td></td></th<>	j	CIONTICE			Part.	Amount	Completed 100%		not yet nolemented	Already Paid	Not yet Paid	Area	Amount		On-Going	Completed 100%	
5 800 209 0. 5282,247 0. 11-6-10 12-3-5 13-4-6 14 15 15-10 1,580 320 0. 2582,247 0. 45,491 0. 8062 5888 0 0 1,580 372 2,428 887714 1114,655 1,541 58762 1,882 0 0 1,277 0 2,020 1,077 0 20,00 1,774 0		=.	(Ha)	(RP.1000)	(Ha)	(RP.1000)	(Ha)		(Ha)	(RP.1000)	(RP.1000)	(Fla	(RP.1000)	(H	(Ha)	(FI	<u>a</u>
5,809 209 0 2,552,147 62,491 0 8,002 5,887 0 0 1,589 2,705 2,428 887,714 11,44655 1,541 547,622 1,882 0 0 1,279 2,705 9,203 1,057,022 947 466,986 1773 0 7,29 1,277 0 7,23 4,97,47 57,460 1,681 456,986 1,734 0 7,990 2,599 0 2,00 2,00 1,710,000 0 1,700 0 7,990 1,100 2,599 0 2,00 1,710,000 </td <td></td> <td>2</td> <td>m</td> <td>4</td> <td>S</td> <td>9</td> <td>7</td> <td>œ</td> <td>9=5-7-8</td> <td>10</td> <td>11=6-10</td> <td>12=3-5</td> <td>13=4-6</td> <td>14</td> <td>15</td> <td>16</td> <td>17=14+16</td>		2	m	4	S	9	7	œ	9=5-7-8	10	11=6-10	12=3-5	13=4-6	14	15	16	17=14+16
1580 302 2,428 857,714 1114,655 1,541 576,522 1,552 1,522 1,541 1,114,655 1,541 576,522 1,552 1,542 1,541 1,114,655 1,541 576,522 1,552 1,542 1,541 1,114,655 1,541 576,522 1,542	. =	DI.Aceh	6.018	2.592.800	6.018	2.584.738	5.809	209	c	7 550 747	62 491	•	808	900 2	<		900
1,588 2,706 0 20,992 1,057,022 947 486,986 1,734 902 0 1,270 0 0 0 0 1,057,111 0 1,648 1,734 902 0 1,270 0 0 0 0 0 0 0 0 2,997 466,986 1,734 902 0 1,790 0 1,790 0 0 0 0 2,597 0 0 0 0 0 0 0 0 0 1,990 1,100 0 0 0 0 1,990 1,100 0 0 1,100 0	22	Sumatera Utara	6,250	2,520,000	4,709	1.972,368	1.980	302	2.428	857.714	1.114.655	. 2	200,0	1.843	•	o c	0,000
1,270	13	Sumatera Barat	6,350	2,465,000	5,403	1,978,014	2,698	2,705	0	920.992	1.057,022	24	486.986	72.	90.	9 6	1,00,1
1277 0 723 409/747 527/460 0 4046 1025 0 2.507 2,788 0 2 0 3,900 1,701000 0 0 779 2,788 0 2,229/513 1,096,224 0 2,731 1,471987 5,399 0 1,105 2,1829 3,215 5,352 8,828,210 3,857,883 1,082,0 4,942,600 19,992 1,105 79 4,218 0 0 2,296,513 0 2,500 67,73 1,470 3,500 0 1,105 0 1,105 0 1,105 0 1,105 0 1,105 0 1,105 0 1,105 0 1,105 0 1,105 1,105 0 1,105 0 1,105 0 1,105 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0<	7	Rizu	2,950	1,325,000	1,270	587,111	1,270	0	0	587,111	0	1.681	737.890	339	32.5	• •	330
0 0	15	Jambi	2,000	941,250	2,000	937,207	1,277	0	723	409,747	527.460	0	4.043	1.025	(2.507	525.6
2,798 0 2,202 1,008,537 1,096,536 0 1,105 0	16	Sumatera Selatan	3,900	1,710,000	0	0	0	0	0	0	0	3.900	1.710,000	2	o c	(g)	100
5,999 0 2,299,513 0 2,751 1,447,987 5,999 0 1,105 2 4,218 0 0 1,919,072 145 3,522 960,288 4,218 0 1,105 2 0 0 0 0 2,500 667,500 0 1,878 4,402 2 0 0 0 0 2,500 667,500 0 1,878 0 1,878 3,200 0 0 0 0 2,500 667,500 0 1,878 0 1,878 3,200 0 0 1,286,897 1,445 6,032 1,624,128 7,523 0 1,878 3,00 0 0 0 0 0 0 0 1,878 0 1,871 0 0 0 0 0 0 0 0 0 0 0 1,872 0 0 1,871 0 0 </td <td>11</td> <td>Bengkulu</td> <td>5,000</td> <td>2,297,143</td> <td>5,000</td> <td>2,297,143</td> <td>2,798</td> <td>0</td> <td>2,202</td> <td>1,200,887</td> <td>1.096.256</td> <td></td> <td>2000</td> <td>2,336</td> <td>· c</td> <td>3</td> <td>25.0</td>	11	Bengkulu	5,000	2,297,143	5,000	2,297,143	2,798	0	2,202	1,200,887	1.096.256		2000	2,336	· c	3	25.0
21,829 3,215 5,353 8,828,210 3,857,883 10,820 4,942,600 19,092 1,833 4,402 2 4,218 0 0 0 0 0 0 0 0 1,878 0 </td <td>18</td> <td>Lampung</td> <td>8,750</td> <td>3,747,500</td> <td>5,999</td> <td>2,299,513</td> <td>5,999</td> <td>O</td> <td>0</td> <td>2,299,513</td> <td>0</td> <td>2.751</td> <td></td> <td>566</td> <td>· c</td> <td>1 105</td> <td>103</td>	18	Lampung	8,750	3,747,500	5,999	2,299,513	5,999	O	0	2,299,513	0	2.751		566	· c	1 105	103
4,218 0 1,919,072 145 3,532 960,283 4,218 0 0 1,878 0 0 1,878 0 0 1,878 0 0 1,878 0 0 1,878 0 0 1,878 0 0 1,878 0 0 1,878 0 0 1,878 0 0 1,878 0 0 1,878 0 0 1,878 0 0 0 1,878 0 0 1,878 0 0 1,878 0 0 1,878 0 0 0 0 1,878 0 1,878 0 1,878 0 1,878 0 1,878 0 1,878 0 1,741 0 1,741 0 1,742 0 1,742 0 1,742 0 1,742 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0<		Sumatera	41,218	17,598,693	30,398	12,656,093	21,829	3,215	5,353	8,828,210	3,857,883	10,820	-	19,092	1,833	4,402	23,49
4,218 0 1,919,072 145 3,532 960,288 4,218 0 0 1,878 0 0 1,878 0 0 1,878 <th< td=""><td>ë</td><td>D.K.I. Jakarta</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	ë	D.K.I. Jakarta															
1,000 1,00	32	Jawa Barat	7.750	2.879 500	4218	7100101	8107	•	c	10.00	24.	600			•	,	
3.250 0 0 0 0 0 0 0.0	33	Jawa Tengah	2.500	687.500	2	(T = () = () = ()	PT C	0 0		3/0/676,1	Ç.	700,0		8,7,4	.) (4,218
3.250 0 0 6,475 3.25 0 5.5 7,468 0 0 1,267,825 0 6,475 3,25 0 5.5 7,468 0 0 3,186,897 145 6,032 1,654,128 7,523 0 1,933 9 300 0 0 0 0 0 0 1,900 815,000 0 1,661 1 2,63 0 0 0 0 0 0 1,242 0 0 1,661 1 2,63 0 0 0 0 0 0 1,242 0<	स्र	D.I.Jogvakarta	C	9001	· c	•	•	0 0	-		> <	8,		> {	> (8/8/T	1,8/8
7,468 0 0 3,186,897 145 6,032 1,654,288 7,529 0 79 300 0 0 89,914 0 1,900 815,000 0 79 2,263 0 0 0 0 0 0 1,532 1,637,000 0 1,661 2,263 0 0 0 0 0 0 1,532 1,637,000 0 0 1,661 2,263 0 0 0 0 0 0 1,562 0 1,661 2,563 0 2,42 0 0 1,332 1,637,000 0 0 1,661 2,563 0 2,42 0 0 0 0 0 1,741 191 2,77 0 1104,397 119,966 1,932 873,387 0 1,748 2,110 2,40 0 816,69 319,588 1,075 820 1,448 <t< td=""><td>33</td><td>Jawa Timur</td><td>3.250</td><td>1.274.300</td><td>3.250</td><td>1267.825</td><td>3.250</td><td>> <</td><td>- c</td><td>1 267 835</td><td>> 0</td><td>9,0</td><td>0 1</td><td>2 5</td><td>5 0</td><td>გ <</td><td>210</td></t<>	33	Jawa Timur	3.250	1.274.300	3.250	1267.825	3.250	> <	- c	1 267 835	> 0	9,0	0 1	2 5	5 0	გ <	210
300		Lawa	13 500	4.841.300	7.468	2 187 042	977	0 0		C70'/07'1	> ;	ָרָי פּי עלי	0,40	25.5	5,	÷ (3,250
300 0 89,914 0 86 300 0 75 2,263 0 0 0 1,900 815,000 0 0 1,661 2,263 0 0 0 1,332 1,632,700 0 0 0 2,563 0 242 0 0 1,250 50,000 0 0 0 2,563 0 242 89,914 0 4,482 2,947,786 1,382 0 0 0 1,518 0 0 104,397 119,966 1,932 873,387 0 1,741 1,518 0 0 1,4482 2,947,786 1,382 0 1,744 2,110 240 853,374 16,863 3,082 871,039 1,075 860 1,448 2,113 441 461,690 37,097 1,780,628 3,918 1,644 1,204 4,092 1,136 0 1,865,736 32,40		5	200	101,000	204.	7,101,01,0	90+,	>	5	2,180,897	143	6,032	1,654,258	7,523	o	1,933	9,456
0 0 0 1,900 815,000 0 1,661 2,263 0 242 0 0 1,332 1,632,700 1,082 0 0 2,563 0 242 0 0 1,250 500,000 0 0 0 2,563 0 242 89,914 0 4,482 2,947,786 1,382 0 0 0 0 1,518 0 242 89,914 16,863 3,082 821,039 1,741 1	52	Bali	300	90,000	300	89,914	300	0	0	89,914	0		98	300	c	27	27.5
2,663 0 242 0 0 1,332 1,632,700 1,082 0 0 0 0 0 0 1,250 500,000 0 0 0 1,563 0 242 89,914 0 1,250 500,000 0 0 0 1,518 0 242 89,914 119,966 1,932 873,387 0 0 7,741 1,518 0 0 593,374 16,863 3,082 871,387 0 0 7,448 2,110 240 816,596 319,598 0 4,806 2,110 240 555 1,232 0 441 1,976,007 677,038 5,141 1,801,856 3,918 1,644 2,204 4,052 1,136 0 1,865,726 3,240 1,731 1,748 1,734 4,052 1,136 0 1,865,726 3,241 1,801,886 3,918 1,644 2,204	25	e e	1,900	815,000	0		0	O	0	0	0	1.900	815,000		0	1.661	1,661
0 0 0 0 0 1,250 500,000 0 0 0 2,563 0 242 89,914 0 4,482 2,947,786 1,382 0 1,741 1,518 0 0 593,374 16,863 3,082 821,039 1,075 860 1,448 2,110 240 0 816,596 319,588 0 440 240,640 220,612 127 102,618 733 544 129 1,232 0 441 461,640 220,612 127 102,618 733 544 129 1,232 0 441 461,640 220,612 127 102,618 733 544 129 5,051 517 441 1,976,007 677,038 5,141 1,801,850 3,918 1,644 2,204 4,052 1,196 0 1,865,726 592,166 3,928 1,644 2,204 4,052 1,186 0	SS.	LIN	3,838	1,632,700	2,506	0	2,263	0	242	0	0	1.332	1.632.700	1.082	c	0	200
2,563 0 242 89,914 0 4,482 2,947,786 1,382 0 1,741 191 277 0 104,397 119,966 1,932 875,387 0 0 72 1,518 0 0 593,374 16,863 3,082 821,039 1,075 860 1,448 2,110 240 816,586 319,588 0 4,086 2,110 240 555 1,232 0 441 461,640 220,618 7,141 1,801,880 3,918 1,644 2,204 1,232 0 441 461,640 220,618 7,141 1,801,880 3,918 1,644 2,204 5,051 517 441 1,976,007 677,038 5,141 1,801,880 3,918 1,644 2,204 4,092 1,196 0 1,865,726 592,402 0 4,039 0 0 0 0 0 0 0 0 0	X,	Timor Timur		500,000	0	0	0	0	.0	0	ဝ	1.250	500,000	0	0	· C	0
191 277 0 104,397 119,966 1,932 873,387 0 0 72 1,518 0 0 593,74 16,863 3,082 821,039 1,075 860 1,448 2,110 240 0 816,596 319,588 0 4,806 2,110 240 555 1,232 0 441 461,640 220,612 127 102,618 733 544 129 5,051 517 441 1,976,007 677,038 5,141 1,801,850 3,918 1,644 1,204 4,052 1,196 0 1,865,726 592,166 3,399 1,780,628 0 0 0 1,644 1,204 4,052 1,196 0 1,865,726 592,166 3,399 1,780,688 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Bali/Nusa Tengga		3,037,700	2,806	89,914	2,563	0	242	89,914	0	4,482	2,947,786	1,382		1,741	3,123
1,518 0 0 593.74 16,863 3,082 821,039 1,075 860 1,448 2,110 240 816,596 319,598 0 4,806 2,110 240 555 5,051 5,051 127 102,618 733 544 129 5,051 5,051 127 102,618 733 544 129 5,051 5,051 4,013 0 3,918 1,644 2,204 743 0 559 241,844 253,166 3,399 1,780,628 0 0 0 4,092 1,196 0 1,865,726 592,402 0 4,039 0	61	Kalimantan Barat		1,097,750	468	224,363	161	277	С	104.397	119.966	1 83	282		c	٤	£
2,110 240 0 816,596 319,598 0 4,806 2,110 240 555 1,232 0 441 461,640 220,612 127 102,618 733 544 129 5,051 517 441 1,976,007 677,038 5,141 1,801,850 3,918 1,644 2,204 743 0 559 241,844 253,166 3,399 1,730,628 0 0 0 90 85 405 216,832 0 2,170 1,073,168 0 3,574 0 1,61 1,51 1,52 1,51 0 1,52 1,51 0 1,52 1,51 0 0 0	83	Kalimantan Tenga		1,431,275	1,518	610,236	1,518	0	0	593,374	16,863	3.082	821.039	1.075	860	1 448	2 503 6
1,232 0 441 461,640 220,612 127 102,618 733 544 129 5,051 5,051 517 441 1,976,007 677,038 5,141 1,801,850 3,918 1,644 2,204 743 0 559 241,844 253,166 3,399 1,780,628 0 0 16 4,092 1,136 0 1,865,776 592,402 0 4,039 0 3,574 0	8	Kalimantan Selam		1,141,000	2,350	1,136,194	2,110	3	0	816,596	319,598	0	4,806	2,110	2,0	555	2.665
5,051 517 441 1,976,007 677,038 5,141 1,801,850 3,918 1,644 2,204 743 0 559 241,844 253,166 3,399 1,780,628 0 0 16 4,092 1,196 0 1,865,726 592,402 0 4,095 0 3,574 0 4,195 2,940 0 0 3,574 0 4,195 2,940 0 0 0 0 0 1,51 4,195 2,940 0 0 0 0 1,51 0 4,195 2,940 0 0 0 0 0	\$	Kalimantan Timu		784,870	1,673	682,252	1,232	0	441	461,640	220,612	127	102,618	733	<u>4</u>	129	862
743 0 559 241,844 253,166 3,399 1,780,628 0 0 16 4,092 1,196 0 1,865,776 592,402 0 4,039 0 3,574 0 3,574 0 3,574 0 3,574 0 3,574 0 3,574 0 3,574 0 3,574 0 3,574 0 3,574 0 3,574 0 3,574 0 3,574 0 3,574 0		Kalimantan	11,150	4,454,895	6,009	2,653,045	5,051	517	14	1,976,007	677,038	5,141	1,801,850	3,918	1,64	2,204	6,122
4,092 1,196 0 1,865,726 592,402 0 4,039 0 0 0 0 0 3,574 90 85 405 216,832 0 2,170 1,073,168 0 0 0 3,574 4,351 0 249 2,045,681 129,625 0 4,195 2,940 0 3,161 9,276 1,281 1,213 4,368,083 975,193 5,569 2,862,029 2,940 0 6,751 1,286 0 31 5,43,745 0 1,000 375,000 0 <td>71</td> <td>Sulawesi Utara</td> <td>4,700</td> <td>2,275,638</td> <td>1,301</td> <td>495,010</td> <td>743</td> <td>0</td> <td>559</td> <td>241.844</td> <td>253.166</td> <td>3.390</td> <td>1 780 628</td> <td>c</td> <td>c</td> <td>75</td> <td>7</td>	71	Sulawesi Utara	4,700	2,275,638	1,301	495,010	743	0	559	241.844	253.166	3.390	1 780 628	c	c	75	7
90 85 405 216,832 0 2,170 1,073,168 0 0 3,574 4,351 0 249 2,043,681 129,625 0 4,195 2,940 0 3,161 9,276 1,281 1,213 4,368,083 975,193 5,569 2,862,029 2,940 0 6,751 1,286 0 31 5,43,745 0 31 26,755 770 6 0 0 <td< td=""><td>4</td><td>Sulawesi Tengah</td><td>5,288</td><td>2,462,167</td><td>5,288</td><td>2,458,128</td><td>4,092</td><td>1,136</td><td>0</td><td>1,865,726</td><td>592,402</td><td>0</td><td>4.039</td><td></td><td>-</td><td>2 0</td><td>g c</td></td<>	4	Sulawesi Tengah	5,288	2,462,167	5,288	2,458,128	4,092	1,136	0	1,865,726	592,402	0	4.039		-	2 0	g c
4,351 0 249 2,045,681 129,625 0 4,195 2,940 0 3,161 9,276 1,281 1,213 4,368,083 975,193 5,569 2,862,029 2,940 0 6,751 1,286 0 31 5,43,745 0 31 26,755 770 0 0 0	ß	Sulawesi Selatan	2,750	1,290,000	280	216,832	8	æ	405	216,832	0	2,170	1.073.168	· c	Ġ.	3.574	3 574
9,276 1,281 1,213 4,368,083 975,183 5,569 2,862,029 2,940 0 6,751 6,751 1,286 0 31 5,43,745 0 1,000 375,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7	Sulawesi Tenggar	4,600	2.177,500	4,600	2,173,305	4,351	0	249	2,043,681	129,625		4.195	2.940		3.161	7103
1,286 0 31 543,745 0 31 26,755 770 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Sulawesi	17,338	8,205,305	11,769	5,343,276	9,276	1,281	1,213	4,368,083	975,193	5,569	2,862,029	2,940	00	6,751	9,691
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Maluku	1,316	570,500	1,286	543,745	1,286	0	31	543,745	0	31	26,755	770	Ð	0	7
1,286 0 31 \$43,745 0 1,031 401,755 770 0 0 0 47,473 5,014 7,280 18,992,855 5,510,259 33,074 14,610,279 35,626 3,477 17,031	83	Irian Jaya		375,000	0	0	0	0	0	•	0	1,000	375,000	0	о с о	• 0	2 6
47.473 5.014 7,280 18,992,855 5,510,259 33,074 14,610,279 35,626 3,477 17.091		Maluku/Inian Jaya		945,500	1,286	\$43,745	1,286	0	31	543,745	0	1,031	401,755	230	٥	0	, E
		INDONESIA	92,810	39 083,393	59,736		47,473	5,014	7,280	18,992,855	5,510,259	33.074	14,610,279	35.626	3.477	17.031	53 657

Table 2.4 Progress of land Development by OECF Program Loan 1996/91

No. Province	To Physical	Target Budget	Contr	Contract Total	Physical Re:	Implemer	Implementation by Foreign Aid Loan Realization of Column No.5 Budgetary	ign Aid Loan Budgetary Realization No.6	alization No.6	Not yet	Net yet Contracted	III.	Sawah Formation	Implementation of Farmers themselves	Total of Achievement
		Budget	Contra	1	Physical Res	lization of	Column No.5	Budgetary Re	dization No.6	Not yet	Contracted	- 1		Farmers themselves	
_	Physical	Budget	Contro-		LIVE ACCE	יובמתרת הי	- OI WILL LAND	1				ŀ			
		r	Area		Completed C	On-Going	Not yet	Already Paid Not yet Paid	Not yet Paid	Area	Amount	3	On-Going	Completed	
	:				100%		Implemented	(0001 000)	(BP 1000)	(H ₂)	(RP.1000)	100% (ffa)	(Ha)	1888 (Ha)	(Ha)
1 2	EE (4	(RP.1000)	S S	(KT.1000)	(E)	8	9=5-7-8	10	11=6-10	12=3-5	13=4-6	14	15	16	17=14+16
						•		0,0	10000		2.343	2.252	0	0	2,252
, ,	2,252	1,326,200	2,252	1,323,857	2,252	0 0)	040,158 C	126,264		0	0	0	0	
	٥	0 0	0		-	> c				1.077	560,280	0	•	0	0,
	1,077	260,280	ə 0	> 0	o c	o c	•	· c	· c	0	0	0	0	0	
	2	0 00	0 707	700 722			47.6	100830	267.064	0	5,206	\$3	31	0	٠.
•	969	382,100	969	4/0,0/0	9	> 0	ì	OCTO COT	0		0	0	0	0	
) (0 9	0000	1712 003	263.	015	151	350.015	1 362 988	0	3,197	655	696	84	
17 Bengkulu	466,4	3,717,100	1001	1355763	1,000	٠ c	; -	1.008.025	347,237	0	0	2,100	0	0	
18 Lampung Sumatera	8,459	5,340,942	7,382	4,769,916	6,196	579	209	2,299,810	2,470,106	1,077	571,026	5,072	1,000	4 8	5,118
											÷				
31 D.K.Jakara	(. •	ć		c	c	c	C	o	0	0	0	0	0	
ก) ;	2 6	000	000 777	7 400	•	7	277 574	9315	O	2.111	1,499	0	1,358	
18	1,530	459,000	1,550	430,009	1,4	•	4 <	036.080	986 09	0	16.534	1,041	0	55	
, 54 D.I. Jogyakarta	250.1	312,600	1,5	270,000	2,5	· c) C	711.500	0	180	0	1,875	0	0	1,875
	4,055	1.483 100	4.447	1.464.455	4.416	0	31	1,394,154	70,301	180	18,645	4,415	0	1,413	
									i	•		•		•	
51 Bali	0	0	0	0	0	0	0	0	0	0	o (э e	> <	122.	1 22 1
S2 NTB	0	0	0	0	0	0	0	0	0	0	0	0 000	> 0	1CC'T	
	2,029	1,405,850	2,029	996,000	2,029	0	0	996,000	o ∵	0 (407,850	670.7			
	0	o	0	0	0	0	•	0	0	0 (0 0	2 6	0 0	1921	3360
Bali/Nusa Tenggara	ra 2,029	1,403,850	2,029	996,000	2,029	0	0	996,000	0	0	407,850	670'7	>	, CC, 1	
	i	000	763	717	763	c	c	311 717		0	9.483	200	36	645	
61 Kalimantan Barat	1 250	221,200		831110	1257	· c	· c	831,110	٥	0	2,143	1,257	0	813	
• •		900 899	10.0	662,000	1.046	0	0	346,400	315,600	٥	1,000	0	8	1,347	1,347
7.4 Yelimantan Timir		0	0	0	0	0	0	0	0	0	0	0	0	0	
	2,83	1,817,453	2,839	1,804,827	2,839	٥	0	1,489,227	315,600	0	12,626	1,757	1,035	2,805	4,562
		000 327		c	·c	-	· c	c		932	476,200	0			
/I Sulawesi Clara	200	1 235 050	, 57.	1 233 199	0561	, 0	627	517.788	715 411	9	2,751	1,950	0	_	0 1,950
72 Sulawest Lengali	01.5	33,450	047	325.946	879		0	0	325,946	0	45	0	0	•	
		050,020	656	459.550	88	0	69	416,501	43,049	0	700	886	0		988
		2,499,050	4,111	2,018,695	3,415	0	969	934,289	1,084,406	932	480,355	2,836		•	2,836
				,		•	•	(•	<	•	C	c		_
81 Maluku		0	0	0	0	0	0	> (- (> 0	5 6		0		
82 Irian Jaya	0	0	o	0	0	0	O	> •	5 (5 6	> (> 0	0		, c
Maluku/Irian Jaya		0	0	0	0	0	0	-	5		o .	>			
TATACATESTA 22.997 12.544.395 20.808 11.053.893	22.997	12.544.395	20,808	11,053,893	18,895	57.9	1,334	7,113,480	3,940,413	2,189	1,490,502	16,108	2,035	5,594	4 21,703

Table 2.5 Progress of land Development by APBN 1991/92

		T.	Target				TID.	Implementation by APBN	y APBN				Sawah Formation	rmation	Implementation of	Total of
		Physical	Budget	S	Contract Total	Physical Realization of Column No.5	alization of C	olumn No.5	Budgetary Re	Budgetary Realization No.6	Notyet	Not yet Contracted			Farmers themselves	Achievement
Ź	. Province			Area	Amount	Completed 100%	On-Going	Not yet Implemented	Already Paid	Not yet Paid	Area	Amount	Completed On-Going 100%	n-Going	Completed 100%	
ľ		(Ha)	(RP.1000)	(<u>F</u>	(RP.1000)	(Ha)	3	(Ha)	(RP.1000)	(RP.1000)	(Ha)	(RP.1000)	(Ha)	£	(Ha)	(Ha)
1	7	າ	4	c	٥	,	×	\$1.4.15 \$1.4.15	10	11=0-10	12=3-5	13=4-6	14	51	16	17=14+16
H	11 · D.I.Aceh	3,524		3,524	2,732,801	3,524	0	0	2,732,801		0	0	1,118	0	0	
ľ		4,500		4,500	2,463,020	1,861	0	2,639	1,035,478	1,427,541	0	141,159	1,650	43	3,853	νη
1		2,323		2,323	2,009,986	841	1,357	125	470,766	1,539,220		672,764	268	0	0	768
-	•	5,274		5,274	3,010,500	5,274	0	0	3,010,500	0		114,694	3,798	1,556		
~	-	3,850		3,357	1,854,164	2,288	23	1,047	1,223,966	630,198	493	248,167	1,076	£73	1,129	2,205
		3,200		3,118	1,868,822	3,118	0	0	1,868,822	0	8	166,628	3,118	0	155	
T**		3,903		3,903	2,649,905	2,591	299	651	446,339	2,203,566	0	153,754	521	2,070	307	
-	18 Lampung	6,748		5,470	2,210,427	5,434	0	36	2,184,796	25,631	1,278	601,733	5,434	0	262	869'5
	Sumatera	33,322	20,898,525	31,469	18,799,625	24,930	2,041	4,498	12,973,467	18,799,625	1,853	2,098,900	16,984	4,141	5,707	
m	31 D.K.I. Jakarta															
. (1)		3,490	1.542,387	3.490	1.472.434	3.490	C	C	1 472 434	C	c	69.953	3.490	c	0	3.490
		2,330		2,330	761,910	2,330	0	• •	761.510		0	45,435	2,330	0	67	2397
		180		180	66,297	180	0	· c	0	56,297	0	693	O	0	0	0
- 5		3,000		3,000	1,271,600	3,000	•	0	1,271,600	0	O	68,200	3,000	0	0	3,000
;	Jawa	9,000		9,000	3,572,241	000'6	0	ο.	3,505,944	66,297	0	184,281	8,820	0		8888
,			400	Ş	4	į	•		;	,	•	,	,	•	•	;
- 4 (3		3	50,020	102	o 1	₹ ;	34,114	15,906	ο,	2,680	102	۰ ۵	0 :	
• •	22 N.18	525		526	301,500	457	0	72	226,125	75,375	0	0	457	0	808	1,266
٠, '		1,510		1,510	828,888	1,510	0	0	828,883	0	0	139,662	1,510	0	0	1,510
-1				1,132	598,011	1,132	0	0	598,011	0	0	33,431	1,132	0	0	
	Bali/Nusa Tenggara	3,321	1,954,192	3,321	1,778,419	3,202	0	119	1,687,137	91,281	٥	175,773	3,202	0	608 8	
ψ			1,789,700	2,492	1,709,616	1,390	٥	1,102	976,076	733,540	88	80,084	1,246	914	375	1.621
v				2,997	2,254,434	2,997	0	0	2,254,434	0	Ó	0	2,997	0	1,071	
¥	63 Kalimantan Selatan		ന	5,200	3,111,720	5,200	0	0	3,057,418	\$4,301	0	308,486	0	5,159	759	
*				1,100	714,984	1,044 44	°,	8	677,550	37,434	о	107,016	243	857	0	
	Kalimantan	11,847	8,286,340	11.789	7,790,754	10,631	0	1,158	6,965,478	825,276	88	495,586	4,486	6,930	2,205	6,691
,	1 Sulawesi Utara	4,250	2,439,938	4,250	1,547,891	2,647	0	1,603	1,269,384	278.507	0	892,047	2.647	12	137	2.784
1~	72 Sulawesi Tengah	4,850		4381	2,826,909	2,464	0	3,871	1,623,105	1,203,804	469	145,329	88	0		634
,		1,900		1,900	1,102,409	1,900	0	0	983,502	118,907	0	58,248	256	848	7.483	
(4 Sulawesi Tenggara	3 5,250		5,250	3,019,679	4,261	0	686	2,496,820	522,859	0	161,998	4,261	0	0	
	Sulawesi	16,250		15,781	8,496,888	11,272	0	6,463	6,372,810	2,124,077	469	1,257,622	8,494	1,025	7,620	-
90	81 Maluku	742	506,415	0	0	0	0	0	0	0	742	506.415	0		c	c
00	82 Irian Java	518		518	402,398	518	0	0	402,398	0	0	19.177	197	ď	200	79
	Maluku/Irian Jaya	1,260	927,990	518	402,398	518	0	0	402,398	0	742	525,592	467	w	200	
1	INDONESIA	75,000	75,000 45,578,079	71,878	40,840,324	59,552	2,041	12,238	31,907,235	21,907,298	3,122	4,737,755	42,453	12,101	16.608	59.061
\ <u>\</u> \	Source: Directorate of Land Rehabilitation & Development, DGFCA, March 15,1993	and Rehabi	itation & Deve	lopment , L	GFCA, March 1	5,1993										

Table 2.6 Progress of land Development by OECF Program Loan 1991/92

														February 1993	
		Target				Imple	nentation by F	Implementation by Foreign Aid Loan				Sawah Formation	ation	Implementation of	Total of
•	Physical	Budget	Control	Contract Total	Physical Re-	cal Realization of Column No.	Column No.5	Budgetary Re	Budgetary Realization No.6	Not ye	Not yet Contracted			Farmers themselves	Achievement
No. Province	,	3	Area	Amount	3	On-Goung	Not yet	Already Paid Not yet Paid	Not yet Paid	Area	Amount	8	On-Going	Completed	
-	Œ.	(RP.1000)	(Ha)	(RP.1000)	100% (Ha)		implemented (Ha)	(RP.1000)	(RP.1000)	(Hg	(RP.1000)	100% (Ha)	(g <u>H</u>	100% (Fig)	(Ha)
1 2	3	4	5	9	7	∞	9=5-7-8	10	11=6-10	12=3-5	13=4-6		15	16	17=14+16
1. 7. 7. 7. 1. 1. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	2 200	3 633 556	3 308	2 434 668	1 880	1 509	0	1,235,171	1.199.497	c	187 888	1 488	-	C	1.488
	3.080	1.900.000	1.557	1.210.976		293	604	259,382	951,594	1,523	689,024		0	01	21 1
	1.507	000'056	1,408	901,145	0	0	1,408	•	901,145	8	48,855	0	0	0	, O
	700	475,000	700	443,141	180	205	315	170,399	272,742	0	31,860	ó	88	0	0
15 Jambi	738	475,000	0	0	Q	0	0	0	0	738	475,000	0	0	0	0
	638	475,000	838	470,000	539	0	0	0	470,000	0	5,000	0	0	0	0
17 Bengkulu	2,513	1,750,000	1,007	689,726	123	88 88	o	0	689,726	1,506	1,060,274	0	53	0	0
18 Lampung	4,462	2,500,000	4,462	2,304,420		171	9	2,193,427	110,993	0	195,580	4,279	E	0	4,279
Sumatera	17,036	11,147,556	13,170	8,454,075	7,670	3,068	2,333	3,858,379	4,595,696	3,866	2,693,481	5,767	380	01	5,777
31 D.K.I Jakarra							4	•							
	Ċ	0	0	0	0	0	0	0	0	0	0	0	0	٥	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	615	615
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Зама	0	0	0	0	0	0	0	0	0	0	0	0	0	615	615
51 Pali	Ç	C			. 0	O	O	0	G		0	0	0	Q	. 0
S2 NTB	0	. 0	. 0	. 0		0		0	0	0	Ó	•	0	•	0
	817	475,000	88	440.875	369	4	0	440,875		00	34,126	369	0	٥	369
	0	0	0	0	0	0	Ö		0	٥	0	0	O	φ	0
Bali/Nusa Tenggara	00	475,000	808	440,875	369	4	0	440,875	0	00	34,126	369	0	0	369
61 Kalimantan Barat	781	475,000		0	0	0	0	0	0	781	475,000	0	0	a	0
62 Kalimantan Tengah	1,938	1,500,000	1,938	1,330,212	1,068	84	225	596,595	733,617	0	169,788	1,068	0	0	1,068
	-	950,000	1,445		1,370	0	75	678,113		0	40,000	0	0	0	
64 Kalimantan Timur	909	475,000	88	407,607	221	387	0	170,998		C	67,393	0	0	٥	
Kalimantan	4,772	3,400,000	3,991	2,647,819	2,659	1,033	300	1,445,707	1,202,112	781	752,181	1,068	0	0	1,068
71 Sulawesi Utara	1.279	900'059		0	0	0	0	ှ ာ	0	1,279	900'059	0	0	0	0
72 Sulawesi Tengah	1,852	1,250,000	1,665	1,059,862	0	336	1,329	64,110	995,752	187	190,138	0	0	٥	0
73 Sulawesi Selatan	3	475,000	₹	438,127	210	100	338	0	438,127	0	36,873	0	0	0	0
74 Sulawesi Tenggara	1,914	-	0	0	0	0	0	0	0	1,914	1,250,000	Đ	0	0	0
Sulawesi	5,693	3,625,000	2,313	1,497,989	210	436	1,667	64,110	1,433,879	3,380	2,127,011	0	0	0	
81 Maluku	293	475,000	539	432,000	0	0	539	0	432,000	35	43,000	0	o,	•	0
82 Irian Jaya	828	447,828	0	0	0	0	0	0	0	838	447,828	0	0		0
Maluku Irian Jaya	1,231		239	432,000	0	0	539		432,000	692	490,828	O	0	•	0
INDONESIA	29,549	29,549 19,570,384	20,822	13,472,758	10,907	4,976	4,839	5,809,070	7,663,688	8.727	6,097,626	7,203	380	625	7.828
Source: Directorate of Land Rehabilitation & Development, DGFCA, March 15,1993	nd Rebabi	litation & Deve	lopment, L	GFCA, March	15,1993		:								

Table 2.7 Progress of land Development by APBN 1992/93

			Target					fram constitution by A DDN	, ADDA						rebruary 1993	
	r ⁻ '	Physical	Budget	Con	Contract Total	Physical Re	scal Realization of Column No 5	Johnn No. 5	Budgetary R	Budgetary Restization No 6	Notice	Not vet Contracted	259440.0	SEWAR FORTIZATION	Experience themselves the control of	ाठाडा ठा
No.	Province			Area	L	Completed	On-Going	Not yet	Already Paid Not yet Paid	Not yet Paid	Area	Amount	Completed	On-Going	Completed	Achevenent
	:	(Ha)	(RP.1000)	(Ffa)	(RP.1000)	100% (Ha)	1. (E/E)	Implemented (Ha)	(RP.1000)	(RP.1000)	(Ha)	(RP.1000)	100% (Ha)	£	100%	E S
٦	2	3	4	S	9	7	8	9=5-7-8	10	11=6-10	12=3-5	13=4-6	14	15	16	17=14+16
11 · D.I.	D.I.Aceb	. 660.4	2.954.225	3.564	2.691.750	78.7	1 917	c	1 241 960	1 250 490	262	262 476	763			
	Sumatera Utara	2,500	1,666,975	2,500	922,111	1,071	322	1.107	413.796	508.315	G C	744.864	466,1		1,000	45.5
	Sumatera Barat	8,019	3,390,445	1,545	344,255	928	7.	<u> </u>	6,670	:	6.474	3.046.190	372	, (00717	4,488
		4,447	3,272,429	2,464	1,581,920	391	1,501	572	500.328	. +-1	1.983	1.690.509		9) C	i c
	Ä,	3,000	2,081,710	1,275	823,430	<u>\$</u>	482	345	0		1,725	1,258,280	0	3 0	707	101
	Sumatera Selatan	4 902	2,900,186	3,300	1,943,124	115	885	0	0	1,943,124	1,602	0	, 0	c		30
	Bengkulu	3,666	2,826,175	3,651	2,513,903	1,016	2,635	0	0	2,513,903	15	312.273	0 0		0	0
18 Lam	Lampung	7,026	5,725,060	7,026	4,547,116	700	1,373	296	856'069	3,856,158	0	1,17,944	5,357	920	388	5.743
Sun	Sumatera	37,659	24,817,205	25,324	15,367,608	10,973	9,188	2,863	2,953,013	12,414,596	12,335	8,492,535	7,262	1,045	3,470	10,733
31 DK	DKI Jakarta								-							
-	Jawa Barat	3,940	2,006,685	3,766	1,888,809	3,283		83	٥	1,888,809	174	117.876	c	c	¢	c
	Jawa Tengah	2,000	831,600	475	187,247	475	0	0	187,247	0	1,525	644.353	0	0	3387	3.387
% ;	D.I.Jogyakarta	82	79,200	180	79,200	0	0	180	0	79,200	0	0	Ö	0	0	0
-	Jawa Timur	2,250	1,235,475	2,250	1,170,181	2,250	0	0	0	1,170,181	0	65,294	2,250	0	0	2,250
Jawa	æ	8,370	4,152,960	6,671	3,325,437	6,008	0	663	187,247	3,138,190	1,699	827,523	2,250	0	3,387	5,637
S1 Bali		o	0	0	0	c	C	c	c	:	c	•	C	c	C	c
S2 NTB	~	0	0	٥	0	0	· C	· c		· c	· c	•	•	> 0	200	o ç
SS NET	<u>.</u> .	2,000	1,397,500	2,000	1.397,500	1.256		744	•	1 397 500		•	° g	> c	Cross, s	
-	Timor Timur	0	0	0	0	0	0		· c	0	·	•	3	• •		000
Bali	Bali/Nusa Tenggari	2,000	1,397,500	2,000	1,397,500	1,256	0	447	0	1,397,500	0	0	823	. 0	1,249	2,102
	Kalimantan Barat	3,125	2,285,917	2,185	1,510,801	1,023	1,162	0	693,657	817,144	94	775.116	1.023	0	¢	1 000
	Kalimantan Tengah	2,300	1,759,500	2,300	1,377,359	1,042	1,259	0	188,025	1,189,334	0	382,141	1,042	0	0	6
S S	Kalimantan Selatan	6,00	2,652,420	4,001	2,592,420	3,400	0	601	2,328,869	263,551	0	60,000	0		313	313
	Kalimanian Limit	11.436	507'+00 100 100	005,	884,268	150	1,150	0 ;	137,772	746,496	82	0	0	0	0	0
		77.14 7.14 7.14 7.14	CO1,200,1	30/16	0,004,048	cro'c	3,7/0	109	3,348,324	3,016,525	£6.	1,217,257	2,065	0	313	2,378
	Sulawesi Utara	2,485	1,397,420	833	459,653	099	173	0	301.163	158 490	1.652	937.767	625	G	· c	264
72 Sula	Sulawesi Tengah	4,150	2,843,004	4,149	2,694,952	1,006	862	2,281	675,269	ų	1	148,052	£	0		2 E
	Sulawesi Selatan	2,778	2,052,188	2,440	1,358,818	2,196	76	168	842,901	515,917	338	693,370	825	0	· «	8
	Sulawesi Tenggara	4,197	2,953,944	3,650	2,461,435	28 28	2,666	0	492,387	1,969,048	8	492,509	0	0	293	ž Š
Strla	Sulawesi	13,510	9,246,556	11,072	6,974,858	4,847	3,777	2,448	2,311,721	4,663,137	2,538	2,271,698	1,923	0	293	2,215
	nku 	1,100	1,286,000	1.100	1,196,451	31	1,069	0	127,262	1,069,189	0	89,549	0	0	O	c
82 Irian	Inan Jaya	1,750	1,237,995	1,263	969,041	377	465	421	0	969,041	487	268,954	277	0	C	7.6
Mak	Maluku/Irian Jaya	2,850	2,523,995	2,363	2,165,492	403	1,534	421	127,262	2,038,231	£84	358,503	277	0	0	12.
2	INDONESIA	75,915	49,720,321	57,217	35,595,744	29,107	18,069	7,741	8,927,566	26,668,178	18,698	13,167,515	14,630	1.045	8719	22.20
Source : L	Source : Directorate of Land Rehabilitation & Development , DGFCA, March 15,1993	d Rehabili.	tation & Develo	pment, DC	FCA, March 15	,1993										

Table 2.8 Targets of OECF Program Loan 1992/93 and APBN 1993/94

No.	Province	1 8	rget	Targ	et
		Physical	Budget	Physical	Budget
		(Ha)	(RP.1000)	(Ha)	(RP.1000)
1.1	D.I.Aceh	2,500		3,973	3,178,95
11 12	Sumatera Utara	2,500 500		2,000	1,387,50
		300	•	2,000	1,518,95
13	Sumatera Barat Riau	500		1,400	1,432,50
14	Jambi	300		1,980	1,636,84
15		1.000		3,500	2,287,29
16	Sumatera Selatan	1,000		2,500	2,212,50
17	Bengkulu	1 800		2,500 4,648	3,112,36
18	Lampung	2,800		22,001	16,766,91
	Sumatera	7,300		22,001	10,700,91
31	D.K.I.Jakarta				
32	Jawa Barat			2,500	1,410,00
33	Jawa Tengah			1,225	1,368,14
34	D.I.Jogyakarta				
35	Jawa Timur			2,500	1,306,2
	Jawa	.0		6,225	4,084,39
51	Bali				
52	NIB			600	360,0
53	NIT			1,000	772,5
54	Timor Timur	500		1,000	702,4
	Bali/Nusa Tenggara	500		2,600	1,834,9
61	Kalimantan Barat			1,095	1,101,7
62	Kalimantan Tengah	1,640		2,500	1,915,0
63	Kalimantan Selatan	1,800		2,000	1,560,0
	Kalimantan Timur	-,		1,000	760,0
•	Kalimantan	3,440		6,595	5,336,7
71	Sulawesi Utara			1,500	910,0
72	Sulawesi Tengah	1,500		1,800	1,960,6
73	Sulawesi Selatan			1,500	1,301,5
74	Sulawesi Tenggara	1,000		1,500	1,301,5
	Sulawesi	2,500		6,300	5,473,7
81	Maluku			1,140	1,857,0
	Irian Jaya			1,000	982,0
Vi.	Maluku/Irian Jaya	0		2,140	2,839,0
	· · · · · · · · · · · · · · · · · · ·			45,861	36,335,8

Source : Directorate of Land Rehabilitation & Development , DGFCA, March 15,1993

Table 2.9 Physical Target of Land Development in Repelita V

Unit: ha

							Unit: ha
No.	Province	1989/90	1990/91	1991/92	1992/93	1993/94	Total
_ 1							_ : :
11	D.I.Aceh	4,166	8,270	6,922	6,599	3,973	29,930
12	Sumatera Utara	2,500	6,250	7,580	3,000	2,000	21,330
13	Sumatera Barat	4,157	7,427	3,830	8,019	2,000	25,433
14	Riau	2,083	2,950	5,974	4,947	1,400	17,354
15	Jambi	2,224	2,696	4,588	3,000	1,980	14,488
16	Sumatera Selatan	3,683	3,900	3,838	5,902	3,500	20,823
17	Bengkulu	3,179		6,416	3,666	2,500	23,095
18	Lampung	4,750	10,850	11,210	9,826	4,648	41,284
	Sumatera	26,743	49,677	50,358	44,959	22,001	193,738
31	D.K.I.Jakarta	0	0	0	0	0	0
32	Jawa Barat	10,512	7,750	3,490	3,940	2,500	28,192
33	Jawa Tengah	1,856	4,030	2,330	2,000	1,225	11,441
34	D.I.Jogyakarta	458	1,042	180	180	•	1,860
35	Jawa Timur	3,500	5,305	3,000	2,250	2,500	16,555
	Jawa	16,326	18,127	9,000	8,370	6,225	58,048
51	Bali	150	300	150	· · · · · · · · · · · · · · · · · · ·		600
52	NTB	1,000	1,900	529	0	600	4,029
53	NTT	1,000	5,867	2,327	2,000	1,000	12,194
54	Timor Timur	1,059	1,250	1,132	500	1,000	4,941
	Bali/Nusa Tenggara	3,209	9,317	4,138	2,500	2,600	21,764
61	Kalimantan Barat	6,483	2,936	3,331	3,125	1,095	16,970
62	Kalimantan Tengah	3,350	5,857	4,935	3,940	2,500	20,582
63	Kalimantan Selatan	1,267	3,396	6,645	5,801	2,000	19,109
64	Kalimantan Timur	901	1,800	1,708	2,000	1,000	7,409
	Kalimantan	12,001	13,989	16,619	14,866	6,595	64,070
71	Sulawesi Utara	2,662	5,632	5,529	2,485	1,500	17,808
72	Sulawesi Tengah	8,707	7,865	6,702	5,650	1,800	30,724
73	Sulawesi Selatan	6,000	3,329	2,548	2,778	1,500	16,155
74	Sulawesi Tenggara	4,297	5,555	7,164		1,500	23,713
	Sulawesi	21,666	22,381	21,943		6,300	88,400
81	Maluku	1,000	1,316	1,335	1,100	1,140	5,891
82	Irian Jaya	550	1,000	1,156	1,750	1,000	5,456
	Maluku/Irian Jaya	1,550	2,316	2,491	2,850	2,140	11,347
	INDONESIA	81,494	115,807	104,549	89,655	45,861	437,367

INDONESIA 81,494 115,807 104,549 89,655 45,861 437,367 Source : Directorate of Land Rehabilitation & Development , DGFCA, March 15,1993

Table 2.10 Physical Progress of Land Development in Repelita V

1	1	ni	ıt	٠	h

		·	_			U	Init : ha
No.	Province	1989/90	1990/91	1991/92	1992/93	1993/94	Total
11	D.I.Aceh	4,051	8,060	2,606	4,034	3,973	22,723
	Sumatera Utara	2,892	1,852	5,513	2,788	2,000	15,045
	Sumatera Barat	3,454	1,734	268	372	2,000	7,827
	Riau	423	339	3,798	500	1,400	6,460
	Jambi	4,749	3,597	2,205	797	1,980	13,328
	Sumatera Selatan	4,605	790	3,273	1,000	3,500	13,169
	Bengkulu	2,533	3,037	828	0	2,500	8,89
	Lampung	5,181	9,203	9,976	8,543	4,648	37,552
	Sumatera	27,889	28,612	28,468	18,033	22,001	125,002
31	D.K.I.Jakarta	0	. 0	0	. 0	0	. (
	Jawa Barat	10,716	4,218	3,490	. 0	2,500	20,92
	Jawa Tengah	2,620	4,734	3,012	3,387	1,225	14,979
	D.I.Jogyakarta	55	1,206	0	. 0	. • • 0	1,26
	Jawa Timur	3,854	5,125	3,000	2,250	2,500	16,729
	Jawa	17,245	15,284	9,503	5,637	6,225	53,89
51	Bali	262	379	102	0	0	74
	NTB	1,710	2,992	1,266	1,249	600	7,81
	NTT	735	3,111	1,879	853	1,000	7,57
	Timor Timur	0	0	1,132	500	1,000	2,63
٠,	Bali/Nusa Tenggar	747	6,483	4,379	2,602	2,600	18,77
61	Kalimantan Barat	1,221	1,217	1,621	1,023	1,095	6,17
	Kalimantan Tengal		4,593	5,136	2,682	2,500	17,82
63	Kalimantan Selatan	=		75 9	2,113	2,000	11,53
	Kalimantan Timur			243	0	1,000	3,5 6
	Kalimantan	8,255		7,758	5,818	6 ,5 95	39,11
71	Sulawesi Utara	1,114	16	2,784	625	1,500	6,04
	Sulawesi Tengah	8,216			1,973		14,57
	Sulawesi Selatan	5,522			825	1,500	19,85
	Sulawesi Tenggara				1,293	1,500	19,64
•	Sulawsi	20,458			4,715	6,300	60,11
81	Maluku	1,050	770	0	0	1,140	2,96
	Irian Jaya	849		667	277	1,000	2,79
	Maluku/Irian Jaya			667	277	2,140	5,75
	INDONESIA	78,454	74,359	66,889	37,082	45,861	302,64

Source: Directorate of Land Rehabilitation & Development, DGFCA, March 15,1993

Table 2.11 Physical Progress of Land Development by Government' Budget (APBN) in Repelita V

Unit: ha No. Province 1989/90 1990/91 1991/92 1992/93 1993/94 Total Progress Progress **Progress** Progress Target 11 D.I.Aceh 0 5,808 1,118 1,534 3,973 12,433 12 Sumatera Utara 0 1,852 1,650 0 2,000 5,502 13 Sumatera Barat 0 1,734 268 372 2,000 4,373 14. Riau 0 339 3,798 0 1,400 5.537 15 Jambi 83 1,025 1,076 0 1.980 4.165 16 Sumatera Selatan 83 3.500 0 3,118 0 6.701 17 Bengkulu 2,336 0 2,500 521 0 5,357 18 Lampung 5,999 155 5,434 4,648 21,592 5,357 Sumatera 322 19,092 16,984 7,262 22,001 65,660 31 D.K.I.Jakarta 32 Jawa Barat 0 4,218 3,490 2,500 10,209 0 Jawa Tengah 0 0 2,330 0 1,225 3,555 D.I.Jogyakarta 0 55 0 55 n Jawa Timur 0 3.250 3,000 2,500 2,250 11,000 Jawa 7,523 8,820 2,250 6,225 24,819 51 Bali 0 300 102 52 NTB 0 0 457 0 600 1,057 53 NTT 0 1,082 1,510 853 1,000 4,445 54 Timor Timur 0 0 1,132 0 1,000 2,132 Bali/Nusa Tenggar. 0 1,382 3,202 853 2,600 8,036 61 Kalimantan Barat 83 0 1,246 1,023 1,095 3,448 62 Kalimantan Tengal 1,075 2,997 2,500 0 1,042 7,614 63 Kalimantan Selatar 167 2,110 2,000 4,277 0 0 64 Kalimantan Timur 733 243 1,000 1,976 O 0 Kalimantan 250 3,918 4,486 2,065 6,595 17,314 71 Sulawesi Utara 0 0 2,647 625 1,500 4,772 72 Sulawesi Tengah 0 0 634 473 1,800 2,907 73 Sulawesi Selatan 0 0 952 825 1,500 3,277 Sulawesi Tenggara 0 2,940 4,261 1,500 8,701 Sulawesi 0 2,940 8,494 1,923 6,300 19,658 0 81 Maluku 0 770 0 0 1,140 1,910 Irian Jaya 0 1,000 0 467 277 1,744 Maluku/Irian Jaya 0 770 467 277 2,140 3,654 INDONESIA 571 35.626 42,453 14,630 45,861 139,141

Source: Directorate of Land Rehabilitation & Development, DGFCA, March 15,1993

Table 2.12 Physical Progress of Land Development by Loan

No.	Province	1989/90	1990/91	1991/92	1992/93	1993/94	Total
1101		Progress	Progress	Progress	Target	· · · · · · · · · · · · · · · · · · ·	
11	D.I.Aceh	4,051	2,252	1,488	2,500	n.a.	10,291
12		1,552	0	0	500	n.a.	2,052
	Sumatera Barat	2,784	0	0	500	n.a.	2,784
13	Riau .	408	0	0	5 00	n.a.	908
15	Jambi	2,064	65	0	500	n.a.	2,129
	Sumatera Selatan	1,806	0	0	1,000	n.a.	2,806
		2,337	655	0	1,000	n.a.	2,992
17	Bengkulu	2,337	2,100	4,279	2,800	n.a.	11,619
18	Lampung Sumatera	17,442	5,072	5,767	7,300	n.a.	35,580
31	D.K.I.Jakarta			0			10.200
32	Jawa Barat	10,389	0	0		n.a.	10,389
	Jawa Tengah	1,192	1,499	. 0		n.a.	2,691
34	D.I.Jogyakarta	0	1,041	0		n.a.	1,041
35	Jawa Timur	3,500	1,875	0	_	n.a.	5,375
	Jawa	15,081	4,415	0	0	n.a.	19,496
51	Bali	102	0	0			
52	NTB	0	0	0		n.a.	0
53	NTT	735	2,029	369	•	n.a.	3,133
54	Timor Timur	0	0	0	500	n.a.	500
	Bali/Nusa Tenggar	837	2,029	369	500	n.a.	3,736
61	Kalimantan Barat	492	500	0		n.a.	992
62	the state of the s	2,619	1,257	1,068	1,640	n.a.	6,584
63	Kalimantan Selatar	•			1,800	n.a.	2,600
64				0		n.a.	697
٠.	Kalimantan	4,609	1,757	1,068	3,440	n.a.	10,873
71	Sulawesi Utara	. 0	0	. 0		n.a.	0
72		5,381	1,950			n.a.	8,831
73	-	3,884				n.a.	3,884
	Sulawesi Tenggara					n.a.	6,016
74	Sulawesi Tenggara	13,396				n.a.	18,732
	Sulawoi	10,000	2,000	. •	 ,	n.a.	, •
81	Maluku	1,000	0	0		n.a.	1,000
82		308				n.a.	308
02	Maluku/Irian Jaya					n.a.	1,308
	<u>-</u>						<u> </u>
	INDONESIA	52,673	16,108	7,203	13,740	n.a.	89,725

INDONESIA 52,673 16,108 7,203 13,740 n.a. 8 Source: Directorate of Land Rehabilitation & Development, DGFCA, March 15,1993

Table 2.13 Physical Progress of Land Development by Farmers during 1989/90 to 1992/93

Unit: ha Cord Province 1989/90 1990/91 1991/92 1992/93 1993/94 Total Progress Progress Progress Target Target 11 D.I.Aceh 0 0 0 n.a. Sumatera Utara 1,340 0 3,863 2,288 7,490 n.a. 13 Sumatera Barat 670 0 0 0 670 n.a. 14 Riau 15 0 0 O 15 n.a. 2,507 797 15 Jambi 2,602 1,129 7,035 n.a. 790 16 Sumatera Selatan 2,716 155 3,662 0 n.a. 17 Bengkulu 196 46 307 0 n.a. 549 18 Lampung 2.586 1,105 264 386 n.a. 4,341 Sumatera 10,125 4,448 5,717 3,470 23,761 n.a. 0 0 31 D.K.I.Jakarta 0 0 0 n.a. .32 327 0 Jawa Barat 0 0 n.a. 327 33 Jawa Tengah 1,428 3,236 682 3.387 8,733 n.a. D.I.Jogyakarta 55 110 34 0 0 165 n.a. 354 35 Jawa Timur 0 0 354 O n.a. 2,164 Jawa 3,346 682 3,387 9,579 n.a. 51 Bali 160 79 0 239 0 n.a. **52** NTB 1,710 2,992 809 1,249 6,759 n.a. 53 NTT 0 0 0 0 0 n.a. 54 Timor Timur 0 0 0 O 0 n.a. Bali/Nusa Tenggar 1,870 3,071 809 1,249 6,999 n.a. 645 717 61 Kalimantan Barat 375 0 1,737 n.a. 62 Kalimantan Tenga 300 2,261 1,071 0 n.a. 3,632 Kalimantan Selatar 63 1.685 1,902 759 313 4,659 n.a. Kalimantan Timur 767 129 896 0 0 n.a. Kalimantan 3,397 5,009 2,205 313 10,923 n.a. 71 1,114 137 1,268 Sulawesi Utara 16 0 n.a. 2,835 72 Sulawesi Tengah 0 0 0 2.835 n.a. Sulawesi Selatan 1,637 3,574 7,483 0 12,694 73 n.a. Sulawesi Tenggara 1,476 3,161 0 293 4,930 n.a. 7,062 6,751 293 Sulawesi 7,620 21,726 n.a. 81 Maluku 50 0 0 0 n.a. 50 82 Irian Jaya 541 0 200 0 741 n.a. Maluku/Irian Jaya 591 0 200 0 n.a. 791 25,209 INDONESIA 22,625 17.233 8,712 73,779 n.a.

Source: Directorate of Land Rehabilitation & Development, DGFCA, March 15,1993

Table 2.14 Contract Amount for Land Development during 1989/90 to 1991/92

ž	Province	1989/90	06/	16/0661	12	25.	1991/92	-	Total	
į	1 2011 101 1	1 PRD	Toan	APRD	logi	APBD	Loan	APBD	Loan	Total
11	D.I.Aceh	0	1,848	2,585	1,324	2,733	2,435	5,318	2,607	10,924
7	Sumatera Utara	٥	1,017	1,972	0	2,463	1,211	4,435	2,228	6,664
13	Sumatera Barat	0	1.531	1,978	0	2,010	106	3,988	2,433	6,421
1 7	Rian	0	263	587	0	3,011	443	3,598	706	4 9 9
15	Jambi	25	825	537	377	1,854	0	2,816	1,202	4,018
16	Sumatera Selatan	25	699	0	0	1,869	470	1,893	1,133	3,026
	Benekulu	0	1.408	2.297	1,714	2,650	069	1,947	3,811	8,758
. 00	J ampilio	25	288	2.300	1,355	2,210	2,304	4,535	4,544	9,079
	Sumatera	74	8,439	12,656	4,770	18,800	8,454	31,530	21,663	53,195
6	T V T Tologia		c	c	C	0	0	0	0	Ü
, 6	Years Baret	, c	3 820	1 919	, ¢	1.472	0	3,392	3,820	7,211
4 6	Jawa Dalat	o e	5.62	, C	457	762	0	762	866	1,76
9 %	Di Iomakan	o c	137	C	296	99	0	99	433	499
, v	Iawa Timur	o C	1 323	1.268	712	1,272	0	2,539	2,035	4,574
3	Jawa	0	5,821	3,187	1,464	3,572	0	6,759	7,285	14,044
Ÿ	ф 	c	45	0	0	ς, Ος		140	45	185
3 8	E S	0	jo	0	0	302	0	302	0	305
8	E		313	0	966	829	441	828	1,750	2,579
3 3	Timor Timur	, φ	0	0	0	298	0	865	0	298
)	Bali/Nusa Tenggara	0	358	8	966	1,778	141	1,868	1,795	3,664
ÿ	Kalimantan Barat	3.5	1.396	224	312	1,710	0	1,959	1,708	3,667
3 8	Kalimantan Tengah	0	1.126	019	831	2,254	1,330	2,865	3,287	6,152
8	Kalimantan Selatan	84	379	1,136	995	3,112	910	4,296	1,951	6,247
2	Kalimantan Timur	0	334	682	0	715	408	1,397	741	2,138
	Kalimantan	73	3,235	2,653	1,805	7,791	2,648	10,517	7,688	18,204
Ę	Sulawesi Utara	0	136	495	0	1,548	0	2,043	136	2,179
72		0	4,172	2,458	1,233	2,827	1,060	5,285	6,465	11,750
73	٠.	0	1,943	217	326	1,102	438	1,319	2,707	4, 20,
7.		0	1,725	2,173	460	3,020	0	5,193	2,185	7,378
	Sulawesi	•	7,977	5,343	2,019	8,497	1,498	13,840	11,493	25,33
8	Maluku	0	411	2 2	0	0	432	\$4	843	1,387
82		0	200		0	405	0	402	200	602
	Maluku/Irian Jaya	0	611	X	0	402	432	946	1,043	1,990
			0,70	2017	11.054	00000	12 472	65 4Kn	60000	116 429

Table 2.15 Physical Amount of Contract for Land Development during 1989/90 to 1991/92

Š	Province	198	1989/90	16/0661	791	199	1991/92		Total	
	1	4 PRD	Loan	APRID	Dan	APPL	Loan	APRI	1091	Total
									1	
Ξ	D.I.Aceh	٥	4,166	6,018	2,252	3,524	3,398	9,542	9,816	19,358
2	Sumatera Utara	0	2,500	4,709	0	4,500	1,557	9,209	4,057	13,266
13	Sumatera Barat	0	4,157	5,403	0	2,323	1,408	7,726	5,565	13,291
14	Rian	0	2,000	1,270	0	5,274	700	6,544	2,700	42,6
···	Jambi	83	2,141	2,000	88	3,357	0	5,441	2,837	8,278
18	Sumatera Selatan	88	3,600	0	0	3,118	638	3,201	4,238	7,435
17	Bengkulu	0	3,179	2,000	2,334	3,903	1,007	8,903	6,520	15,423
œ	Lampung	155	4,595	2,999	2,100	5,470	4,462	11,624	11,157	22,781
	Sumatera	322	26,338	30,398	7,382	31,469	13,170	62,189	46,890	109,079
31	D.K.I. Jakarta									
32	Jawa Barat	0	10,512	4,218	0	3,490	0	7,708	10,512	18,220
33	Jawa Tengah	0	1,856	0	1,530	2,330	0	2,330	3,386	5,716
34	D.I.Jogyakarta	0	458	0	1,042	180	0	180	1,500	1,680
32	Jawa Timur	0	3,500	3,250	1,875	3,000	0	6,250	5,375	11,625
	Jawa	0	16,326	7,468	4,447	9,000	0	16,468	20,773	37,241
51	Bali	0	150	300	c	150	¢	.057	150	909
S	NTB	0	1,000	0	0	529	0	529	1,000	1,525
3	. LLX	0	1,000	2,506	2,029	1,510	608	4,016	3,838	7,854
¥	Timor Timur	Ö	1,059	0	0	1,132	0	1,132	1,059	2,191
	Bali/Nusa Tenggar	0	3,209	2,806	2,029	3,321	808	6,127	6,047	12,174
61	Kalimantan Barat	83	6,400	468	536	2,492	0	3,043	956'9	9,979
62	Kalimantan Tengal	0	3,183	1,518	1,257	2,997	1,938	4,515	6,378	10,893
B	Kalimantan Selatar	167	1,100	2,350	1,046	5,200	1.445	7,717	3,591	11,308
\$	Kalimantan Timur	0	106	1,673	0	1,100	809	2,773	1,509	4,282
	Kalimantan	250	11,584	600'9	2,839	11,789	3,991	18,048	18,414	36,462
71	Sulawes: Utara	0	2,662	1,301	0	4,250	0	5,551	2,662	8,213
ધ	Sulawesi Tengah	0	8,707	5,288	2,577	4,381	1,665	699'6	12,949	22,618
٣	Sulawesi Selatan	0	6,000	280	579	1,900	848	2,480	7,227	9,707
4	Sulawesi Tenggara	0	4,297	4,600	955	5,250	0	9,850	5,252	15,102
	Sulawesi	0	21,666	11,769	4,111	15,781	2,313	27,550	28,090	55,640
81	Maluku	0	1,000	1,286	0	0	539	1,286	1,539	2.825
83	Irian Jaya	0	550	0	0	518	0	518	550	1.068
	Maluku/Irian Jaya	0	4,759	1,286	0	518	539	1,803	5,298	7,101
	A TREETA	· (m 2	66200	260.03	909 00	41 070	400 00	201 001		200

