

\_\_\_\_\_  
Name of Case <RESNAME1>  
<ORGANID>: \_\_\_\_\_ <RESOURID>: \_\_\_\_\_

ORGANIZATIONAL STRUCTURE AND PROCESS CODING FORM  
NIIS DATABASE

*Before filling in this form, you have to fill in the Organizational Inventory. For the first round of coding, you only have to code organizations that are related to the appropriation process of the resource (i.e., organizations under column C "Appropriation" in the Collective Choice Form.)*

*If K (i.e., a group that has achieved coordination without formal organization) is coded under column C4 in the Organizational Inventory Form, you have to answer A1 and A24 (the short paragraph) of this form and leave the other questions blank.*

A. STRUCTURE AND PROCESS

A1. Identify which organization the following questions are being answered for. Use the same code as in the matrix of the Organizational Inventory Form \_\_\_\_\_.

A2a. What is the name of this organization or group? <ORGNAME>

*Give the formal name of the organization if it has one. If not, assign a name that can best reflect the nature and scope of the organization.*

\_\_\_\_\_

A2b. How long has this organization had the structure and process as described herein?  
<BEGBDATE> \_\_\_\_\_ <ENDDATE> (if appl.): \_\_\_\_\_

*This question asks how long this organization has had the structure and process as described in this form. The beginning date may not be the same as the date when the organization was established. If an organization has undergone significant changes in regard to its structure and process, you may have to fill in separate forms for the two or more periods.*

A3. What is the relationship of the territorial jurisdiction of the organization (or group that has achieved coordination without a formal organization) to the physical boundaries of this resource? <TERJUR1>

*Remember that the resource here refers to the appropriation resource. If the production resource is different from the appropriation resource and the organization is responsible for both, you have to answer (3) "the resource is within the organization." In order to perceive the relationship sought here, it may be useful to compose sketches of both the jurisdiction of the organization and the appropriation resource.*

- (1) \_\_\_\_\_ The two boundaries are roughly equivalent
- (2) \_\_\_\_\_ The organization is within the resource
- (3) \_\_\_\_\_ The resource is within the organization
- (4) \_\_\_\_\_ The two boundaries overlap partially
- (5) \_\_\_\_\_ The two boundaries are totally separated
- (-1) \_\_\_\_\_ MIC
- (-2) \_\_\_\_\_ NA
- \_\_\_\_\_ CL

- A4. What is the relationship of the territorial jurisdiction of the organization (or group that has achieved coordination without a formal organization) to that of the smallest relevant general purpose government/administrative unit (e.g., a village)? <TERJUR2>

*The smallest relevant general purpose government/administrative unit refers to any collective unit which has general authority over an area. It is not necessarily a collective unit instituted by a formal government. It may be a traditional village community within which general purpose authority can be exercised.*

- (1) \_\_\_\_\_ The two boundaries are roughly equivalent  
 (2) \_\_\_\_\_ The organization is within the government/administrative unit  
 (3) \_\_\_\_\_ The government/administrative unit is within the organization  
 (4) \_\_\_\_\_ The two boundaries overlap partially  
 (5) \_\_\_\_\_ The two boundaries are totally separated  
 (-1) \_\_\_\_\_ MIC  
 (-2) \_\_\_\_\_ NA  
 \_\_\_\_\_ CL

- A5. What is the relationship of the size of this organization (or group) to the number of appropriators? <MEMBAPPR>

*In this question, "appropriators" refers to those who appropriate units from the particular appropriation resource we coded on the resource form.*

- (1) \_\_\_\_\_ Organization (or group) has more members than the number of appropriators  
 (2) \_\_\_\_\_ Organization (or group) has fewer members than the number of appropriators  
 (3) \_\_\_\_\_ Organization (or group) has roughly the same members as the number of appropriators  
 (-1) \_\_\_\_\_ MIC  
 (-2) \_\_\_\_\_ NA  
 \_\_\_\_\_ CL

- A5a. Number of formal members of this organization: \_\_\_\_\_ <FORMNUMB>

- A6. If the membership in the organization is smaller than total number of appropriators, is the membership the same as a subgroup? <MEMBSUB1>

*Answer this question if there are multiple subgroups related to the resource. Otherwise, answer (-2) "NA".*

- (1) \_\_\_\_\_ Yes, and the subgroup id is \_\_\_\_\_ <MEMBSUB2> \_\_\_\_\_ NA  
 (2) \_\_\_\_\_ No  
 (-1) \_\_\_\_\_ MIC  
 (-2) \_\_\_\_\_ NA  
 \_\_\_\_\_ CL

- A7. In the following list, mark which activities the members of this organization (or group) use to express their needs and concerns to those officials **of other organizations** who make collective choice decisions in relation to the resource. If there are multiple layers of

organizations, code the one immediately above this organization. Use the following code: <EXPOTHER>

- "0": that activity is not used.  
 "1": that activity is used and appropriators have a favorable evaluation of its usefulness.  
 "2": that activity is used and appropriators have an unfavorable evaluation of its usefulness.  
 "3": that activity is used and the document does not indicate the appropriators' evaluation of its usefulness  
 "4": MIC

*If there are other organizations that are responsible for the production and/or distribution resources or have a higher level of jurisdiction, how do officials or members of this organization express their needs and concerns to these organizations.*

- (1) \_\_\_\_\_ Elections  
 (2) \_\_\_\_\_ Formal petitions  
 (3) \_\_\_\_\_ Formal hearings  
 (4) \_\_\_\_\_ Advice and consent on nominations to nonelected positions  
 (5) \_\_\_\_\_ Demonstrations  
 (6) \_\_\_\_\_ General meetings  
 (7) \_\_\_\_\_ Illegal exchanges with officials  
 (8) \_\_\_\_\_ Informal contacts  
 (9) \_\_\_\_\_ Other: \_\_\_\_\_  
 (-2) \_\_\_\_\_ NA  
       \_\_\_\_\_ CL

- A8. In the following list mark which activities the members of this organization (or group) use to express their needs and concerns to those officials of **this** organization who make collective choice decisions in relation to the resource. Use the code outlined above (question A7). <EXPOWN>

- (1) \_\_\_\_\_ Elections  
 (2) \_\_\_\_\_ Formal petitions  
 (3) \_\_\_\_\_ Formal hearings  
 (4) \_\_\_\_\_ Advice and consent on nominations to nonelected positions  
 (5) \_\_\_\_\_ Demonstrations  
 (6) \_\_\_\_\_ General meetings  
 (7) \_\_\_\_\_ Illegal exchanges with officials  
 (8) \_\_\_\_\_ Informal contacts  
 (9) \_\_\_\_\_ Other: \_\_\_\_\_  
 (-2) \_\_\_\_\_ NA  
       \_\_\_\_\_ CL

- A9. Does the organization provide the appropriators with services in addition to provision, production, distribution, appropriation, and use activities that are already provided? <ADDSERV>

*If your answer is (2) "no", the code for this organization as it appears in question A1 should be either I, J, or K. Conversely, if the answer is (1) "yes", the code should be neither I, J, nor K. Please check if you have got this right.*

- (1) \_\_\_\_\_ Yes  
 (2) \_\_\_\_\_ No  
 (-1) \_\_\_\_\_ MIC  
 (-2) \_\_\_\_\_ NA  
 \_\_\_\_\_ CL

A9a. If yes, what are the major services provided: <SERVICES>

*The space limit for this variable is 300 characters.*

\_\_\_\_\_ MIC \_\_\_\_\_ NA

A10. If the appropriators do participate in elections for representatives and officials of this organization, are these elections contested? <CONELECT>

*Is there usually more than one candidate competing for the positions?*

- (1) \_\_\_\_\_ Yes  
 (2) \_\_\_\_\_ No  
 (-1) \_\_\_\_\_ MIC  
 (-2) \_\_\_\_\_ NA  
 \_\_\_\_\_ CL

A11. Do most of the officials who are responsible for the appropriation resource reside in or near the resource? <OFFNEAR>

*This question asks about those officials who make major operating decisions related to the appropriation resource.*

- (1) \_\_\_\_\_ Yes  
 (2) \_\_\_\_\_ No  
 (-1) \_\_\_\_\_ MIC  
 (-2) \_\_\_\_\_ NA  
 \_\_\_\_\_ CL

A12. In questions A13 to A20, you are asked a series of variables about the administrator(s) or leader(s) who make(s) major operating decisions for the appropriation resource. Please identify what level of administrator you are coding for those questions. <ADMLEVEL>

- (1) \_\_\_\_\_ The highest level (chief) executive(s) for the AGO of the FMIS, AMIS, or JMIS  
 (2) \_\_\_\_\_ A mid-level administrator(s) who is responsible for this resource only (for example, a DOI Engineer).  
 (3) \_\_\_\_\_ A mid-level administrator(s) who is responsible for this and other resources (for example, district level MPLD officer).  
 (4) \_\_\_\_\_ The lowest level administrator(s) who is responsible for this resource only (for example, a *Jimmawal*).  
 (5) \_\_\_\_\_ The lowest level administrator(s) who is responsible for this and other resources  
 (6) \_\_\_\_\_ Others: \_\_\_\_\_

- (-1) \_\_\_\_\_ MIC
- (-2) \_\_\_\_\_ NA (no executive or administrative position)
- \_\_\_\_\_ CL

A13. Is/are the leader(s), chief executive(s) or administrator(s) position(s) filled by appropriators? <EXECAPPR>

- (1) \_\_\_\_\_ No
- (2) \_\_\_\_\_ Yes, through direct or indirect elections by appropriators
- (3) \_\_\_\_\_ Yes, appointed by external government with active advice by appropriators
- (4) \_\_\_\_\_ Yes, appointed by external government without active advice by appropriators
- (5) \_\_\_\_\_ Yes, through inheritance
- (6) \_\_\_\_\_ Other: \_\_\_\_\_
- (-1) \_\_\_\_\_ MIC
- (-2) \_\_\_\_\_ NA (no executive positions)
- \_\_\_\_\_ CL

A14. Can an external or higher level authority remove the chief executive(s) or administrator(s)? <EXTREMOV>

- (1) \_\_\_\_\_ Yes, at the discretion of the external or higher level authority
- (2) \_\_\_\_\_ Yes, with substantiated evidence from malfeasance
- (3) \_\_\_\_\_ No
- (-1) \_\_\_\_\_ MIC
- (-2) \_\_\_\_\_ NA
- \_\_\_\_\_ CL

A15. Does/do the leader(s), chief executive(s) or administrator(s) report to any external or higher level authority? <EXTREP>

*Does the executive or administrator files reports to any external or higher level authority regularly as part of his or her usual responsibility?*

- (1) \_\_\_\_\_ Yes
- (2) \_\_\_\_\_ No
- (-1) \_\_\_\_\_ MIC
- (-2) \_\_\_\_\_ NA
- \_\_\_\_\_ CL

A16. The period which the leader(s), chief executive(s) or administrator(s) serve is: <EXECPER>

- (1) \_\_\_\_\_ A life term
- (2) \_\_\_\_\_ Fixed period of time, may be re-elected
- (3) \_\_\_\_\_ Fixed period of time, may not be re-elected
- (4) \_\_\_\_\_ Variable subject to vote of confidence
- (5) \_\_\_\_\_ Administrative tenure subject to rules of relevant agency
- (6) \_\_\_\_\_ Other: \_\_\_\_\_
- (-1) \_\_\_\_\_ MIC
- (-2) \_\_\_\_\_ NA (no executive positions)
- \_\_\_\_\_ CL

A17. Is/are the leader(s), chief executive(s) or administrator(s) paid? <EXECPAID>

- (1)  No
- (2)  Yes, from the general fund of the organization
- (3)  Yes, mostly by receiving shares of the appropriation units
- (4)  Yes, mostly by receiving reduced obligations
- (5)  Yes, mostly by receiving voluntary contributions of the appropriators
- (6)  Yes, mostly by a local or external government
- (7)  Yes, mostly by a development agency
- (8)  Yes, mostly by receiving special levies
- (9)  Yes, by other means: \_\_\_\_\_
- (-1)  MIC
- (-2)  NA
- CL

A18. Does/ do the leader(s), chief executive(s) or administrator(s) own assets or capital which depends on the units from the resource(s) (e.g., farmland that depends on water from an irrigation system)? <EXECOWN>

- (1)  No
- (2)  Yes, the amount is below average in the location
- (3)  Yes, the amount is average in the location
- (4)  Yes, the amount is above average in the location
- (5)  Yes, the amount is very high in the location
- (-1)  MIC
- (-2)  NA
- CL

A19. Given the economy of this location, the average annual income (including all non-monetary forms of income) of the leader(s), chief executive(s) or administrator(s) is: <EXECINC>

- (1)  Very low
- (2)  Low
- (3)  Average
- (4)  High
- (5)  Very high
- (-1)  MIC
- (-2)  NA
- CL

A20. Does/ do the leader(s), chief executive(s) or administrator(s) hold leading positions in other collective or governmental bodies? <EXECOTHR>

- (1)  Yes
- (2)  No
- (-1)  MIC
- (-2)  NA
- CL

- A21. The major financial sources of the organization (or group) are (Mark "0" for not used, "1" for used, and "2" for MIC): <FISOURCE>

*Response (8) "own taxes" refers to taxes raised by a general purpose government. Regular levies by other kinds of organizations should be referred to as (2) "membership fee".*

- (1) \_\_\_\_\_ Voluntary contribution
- (2) \_\_\_\_\_ Membership fee
- (3) \_\_\_\_\_ Payments that substitute for labor input
- (4) \_\_\_\_\_ Fines
- (5) \_\_\_\_\_ External government
- (6) \_\_\_\_\_ Development agency
- (7) \_\_\_\_\_ Sales of units from the resource
- (8) \_\_\_\_\_ Own taxes
- (9) \_\_\_\_\_ Special levies
- (10) \_\_\_\_\_ Other: \_\_\_\_\_
- (-1) \_\_\_\_\_ MIC
- \_\_\_\_\_ CL

- A22. Keeping in mind the rules this organization (or group) has evolved/adopted to govern the activity it has organized, classify these rules according to the following scale:  
<RULECLAS>

- (1) \_\_\_\_\_ Simple, easily understood
- (2) \_\_\_\_\_ Relatively complex, can be understood through learning and experience
- (3) \_\_\_\_\_ Very complex, difficult to understand
- (-1) \_\_\_\_\_ MIC
- (-2) \_\_\_\_\_ NA
- \_\_\_\_\_ CL

- A23. The enforcement of the rules of this organization (or group) is primarily undertaken by:  
<ENFRULE>

- (1) \_\_\_\_\_ Members of the organization (or group) itself
- (2) \_\_\_\_\_ Members and external officials
- (3) \_\_\_\_\_ External officials only
- (-1) \_\_\_\_\_ MIC
- (-2) \_\_\_\_\_ NA
- \_\_\_\_\_ CL

- A24. In a short paragraph summarize the following information about this organization (or group): the day-to-day operating structure and the decisions these individuals are allowed to take; the strategic decision-making structure, who composes it, and how often it convenes; and any information about this organization (or group) that you believe is important but has not been captured elsewhere: <ORGPARG>

*The space limit for this variable is 1000 characters.*

## B. REVENUE COLLECTION

B1. Are monetary fees assessed by the relevant agency? &lt;FEES&gt;

- (1) \_\_\_\_\_ No  
 (2) \_\_\_\_\_ Yes, and regularly collected  
 (3) \_\_\_\_\_ Yes, and some fees collected  
 (4) \_\_\_\_\_ Yes, only insignificant or no fees collected  
 (-1) \_\_\_\_\_ MIC  
 (-2) \_\_\_\_\_ NA  
 \_\_\_\_\_ CL

B2. If 2, 3, or 4 above, do fees collected cover operating costs of the irrigation system?  
<ENOUGH>

- (1) \_\_\_\_\_ No  
 (2) \_\_\_\_\_ Substantially  
 (3) \_\_\_\_\_ Fully  
 (-1) \_\_\_\_\_ MIC  
 (-2) \_\_\_\_\_ NA  
 \_\_\_\_\_ CL

B3. If fees collected, what agency assesses or determines the fees? &lt;FEEDETER&gt;

\_\_\_\_\_ MIC \_\_\_\_\_ NA \_\_\_\_\_ CL

B4. If fees collected, what agency collects the fees? &lt;FEECOLL&gt;

\_\_\_\_\_ MIC \_\_\_\_\_ NA \_\_\_\_\_ CL

B5. Is there any direct relationship between the budget for operation and the fees collected?  
<RELATION>

- (1) \_\_\_\_\_ No  
 (2) \_\_\_\_\_ Yes  
 (-1) \_\_\_\_\_ MIC  
 (-2) \_\_\_\_\_ NA  
 \_\_\_\_\_ CL

## C. INTERVENTION

C1. If the irrigation system has been a FMIS during the past 25 years, is there any information indicating that some government or private agency has attempted to provide assistance to the system through grants, loans, technical assistance or other major forms of intervention? &lt;INTERVEN&gt;

- (1) \_\_\_\_\_ No  
 (2) \_\_\_\_\_ Yes, Either DIHM or DOI has rebuilt the system or otherwise made major investments.  
 (3) \_\_\_\_\_ Yes, FIWUD has undertaken major investments  
 (4) \_\_\_\_\_ Yes, MPLD has under taken major investments



- (5) \_\_\_\_\_ Yes, CARE/NEPAL ADB/Nepal has funded major investments  
 (6) \_\_\_\_\_ Yes, some other agency has undertaken major investments:  
 \_\_\_\_\_  
 (7) \_\_\_\_\_ Yes, an Irrigation Line of Credit Program: \_\_\_\_\_  
 (-1) \_\_\_\_\_ MIC  
 (-2) \_\_\_\_\_ NA  
 \_\_\_\_\_ CL

- C2. If YES to any of the above, write a short paragraph describing the intervention to the extent contained in this document. Who initiated the request and when, who did the engineering, how was the intervention paid for, what role did the farmers have in the design, construction, and operation of the system? If the intervention is completed, give date of completion. Were the property rights of the farmers respected? What has happened to the system since the intervention -- are the farmers still maintaining it well? Are prior water allocation systems still used? Is the command area larger or smaller? Have crop yields increased? <PARAGRAF>  
 \_\_\_\_\_ MIC \_\_\_\_\_ NA

C3. Is the system part of an official joint management or turnover project? <JOINTURN>

- (1) \_\_\_\_\_ Yes, Joint Management
- (2) \_\_\_\_\_ Yes, Turnover
- (3) \_\_\_\_\_ No
- (-1) \_\_\_\_\_ MIC
- (-2) \_\_\_\_\_ NA
- \_\_\_\_\_ CL

If (1) or (2), continue with the rest of the questions in this section. If (3), do not continue with the rest of the questions in this form.

C4. Initiation of joint management or turn-over in the system:

a1. When did the users first learn that the system would be brought under joint management/turn-over? <USRJMT>

\_\_\_\_\_ (month/year)

a2. When did actual implementation of management transfer program start? <WHENIMPL>

\_\_\_\_\_ (month/year)

C5. Process of program implementation:

a1. What were the early steps involved in the WUA organizational development process? (text) <INISTEPS>

a2. Looking from top to bottom, how many tiers of organization of WUA have been created? <TIERNUM>

- (1) \_\_\_\_\_ One (Main only)
- (2) \_\_\_\_\_ Two (Main and Branch level)
- (3) \_\_\_\_\_ Three (Main, Branch and Tertiary level)
- (4) \_\_\_\_\_ Four (Main, Branch, Tertiary and Quaternary level)
- (5) \_\_\_\_\_ No organizations formed yet
- (-1) \_\_\_\_\_ MIC
- (-2) \_\_\_\_\_ NA
- \_\_\_\_\_ CL

a3. Has a new constitution been approved? <NEWCONST>

- (1) \_\_\_\_\_ Yes, using DOI model without any changes
- (2) \_\_\_\_\_ Yes, using DOI model with changes
- (3) \_\_\_\_\_ Yes, using the DOI model but with the addition of the earlier

constitution

- (4) \_\_\_\_\_ No, but the old constitution is still being used  
 (5) \_\_\_\_\_ Not yet, in process  
 (-1) \_\_\_\_\_ MIC  
 (-2) \_\_\_\_\_ NA  
       \_\_\_\_\_ CL

a4. If (1), (2), (3), or (4), when was the constitution of WUA approved by membership?  
 <CONSTAPP>

----- (month, year)

a5. Has the WUA been registered? <WUAREGIS>

- (1) \_\_\_\_\_ Yes  
 (2) \_\_\_\_\_ No  
 (-1) \_\_\_\_\_ MIC  
 (-2) \_\_\_\_\_ NA  
       \_\_\_\_\_ CL

a6. If yes, when did this occur? <WUAWHEN>

\_\_\_\_\_ (month/year)

a7. If WUA existed prior to management transfer program, what changes have occurred in the organizational structure and charter of WUA? (paragraph) <WUACHANG>

a8. When was the first general assembly of WUA called after the initiation of this management transfer project? <WUAASSEM>

----- (month/year)

a9. When was the first election of functionaries of WUA held after the initiation of this management transfer project? (month/year)

Main System Level	-----	<ELECMAIN>
Branch Level	-----	<ELECBRAN>
Tertiary Level	-----	<ELECTERT>
Quaternary Level	-----	<ELECQUAT>

a10. What was the process for election/selection of functionaries at the main, branch and tertiary levels? (include in a text paragraph whether elections were contested and other relevant aspects of this process). <ELECPROC>

a11. After the initiation of management transfer project, how many times has the election/selection of functionaries of WUA been held?

Main System Level	-----	<TIMEMAIN>
Branch Level	-----	<TIMEBRAN>
Tertiary Level	-----	<TIMETERT>
Quaternary Level	-----	<TIMEQUAT>

C6. DOI Support in the Institutional Development Process:

a1. What material and financial supports were provided by the DOI in the institutional development process? (text) <DOISUPP>

a2. Has there been farmer-to-farmer training or exchange visits to improve the capability of WUA functionaries? <DOIVISIT>

(1)	_____	Yes
(2)	_____	No
(-1)	_____	MIC
(-2)	_____	NA
	_____	CL

a3. What types of training have been provided by DOI or any other organization to improve the operation and management capability of WUA functionaries and irrigators? (text) <DOITRAIN>

a4. How many training programs have been held? <TRAINNUM>

-----

a5. Have the functionaries of WUA found the training useful? <TRAINUSE>

- (1) \_\_\_\_\_ Yes  
 (2) \_\_\_\_\_ No  
 (-1) \_\_\_\_\_ MIC  
 (-2) \_\_\_\_\_ NA  
 \_\_\_\_\_ CL

C7. Operations and Management Agreement between WUA and DOI

a1. Under present agreement what part of the system is operated and maintained by DOI.  
<DOIOM>

- (1) \_\_\_\_\_ Headworks only  
 (2) \_\_\_\_\_ Headworks and main canal  
 (3) \_\_\_\_\_ Headworks, main canal and branches  
 (4) \_\_\_\_\_ Headworks, main canal, branches and tertiary canals  
 (5) \_\_\_\_\_ None of the above, WUA is responsible for all O&M  
 (-1) \_\_\_\_\_ MIC  
 (-2) \_\_\_\_\_ NA  
 \_\_\_\_\_ CL

a2. Describe the process for coordination between DOI and WUA related to O&M. (text)  
<DOIWUAOM>

C8. Meetings and Decision Making

a1. How often per year since the management transfer program, has the general assembly been called? <GENCALL> \_\_\_\_\_

a2. What decisions are normally taken during general assembly? (text) <GENDECID>

a3. How often per year since the management transfer program, has the WUA main

committee meeting been called? <MAINCALL> \_\_\_\_\_

- a4. What issues are discussed and what type of decisions are taken during WUA main committee meeting? (text) <MAINDISC>
- a5. How often per year since the management transfer program has the WUA branch and tertiary committee meetings been called? <COMMCALL> \_\_\_\_\_
- a6. Normally what issues are discussed and what decisions are taken during branch and tertiary committee meetings? (text) <COMMDISC>

#### C9. Responsiveness of WUA Functionaries

- a1. How many users of this system (or this section of system) know in person the functionaries of main and branch committee? <FNCTUSR>
- (1) \_\_\_\_\_ Almost all of the users know the functionaries  
 (2) \_\_\_\_\_ About half of the users know the functionaries  
 (3) \_\_\_\_\_ Less than half of the users know the functionaries  
 (-1) \_\_\_\_\_ MIC  
 (-2) \_\_\_\_\_ NA  
 \_\_\_\_\_ CL
- a2. How frequently do the functionaries of the main and branch committee meet with the users to identify their problem? <FNCTMEET>
- (1) \_\_\_\_\_ Very rarely  
 (2) \_\_\_\_\_ At least once a year  
 (3) \_\_\_\_\_ At least once in each irrigation season  
 (4) \_\_\_\_\_ Several times in each irrigation season  
 (-1) \_\_\_\_\_ MIC  
 (-2) \_\_\_\_\_ NA  
 \_\_\_\_\_ CL
- a3. How frequently do the functionaries of main and branch committee inspect the system to identify operation and maintenance problems? <FNCTINSP>

- (1) \_\_\_\_\_ Very rarely
- (2) \_\_\_\_\_ At least once a year
- (3) \_\_\_\_\_ At least once in each irrigation season
- (4) \_\_\_\_\_ Several times in each irrigation season
- (-1) \_\_\_\_\_ MIC
- (-2) \_\_\_\_\_ NA
- \_\_\_\_\_ CL

a4. How often do the WUA functionaries meet with DOI officials to coordinate the operation and maintenance of the system? <FNCTCOOR>

- (1) \_\_\_\_\_ Very rarely
- (2) \_\_\_\_\_ At least once a year
- (3) \_\_\_\_\_ At least once in each irrigation season
- (4) \_\_\_\_\_ Several times in each irrigation season
- (-1) \_\_\_\_\_ MIC
- (-2) \_\_\_\_\_ NA
- \_\_\_\_\_ CL

#### C10. Water Supply Situation

Which of the following attributes of system performance do the users agree has improved?

a. Timeliness in irrigation delivery <WSSTIME>

- (1) \_\_\_\_\_ Yes, timeliness has improved
- (2) \_\_\_\_\_ No, timeliness has not improved
- (3) \_\_\_\_\_ Users are unsure
- (-1) \_\_\_\_\_ MIC
- (-2) \_\_\_\_\_ NA
- \_\_\_\_\_ CL

b. Adequacy of irrigation water supply <WSSSUPPL>

- (1) \_\_\_\_\_ Yes, adequacy has improved
- (2) \_\_\_\_\_ No, adequacy has not improved
- (3) \_\_\_\_\_ Users are unsure
- (-1) \_\_\_\_\_ MIC
- (-2) \_\_\_\_\_ NA
- \_\_\_\_\_ CL

c. Reliability of irrigation water supply <WSSRELIA>

- (1) \_\_\_\_\_ Yes, reliability has improved
- (2) \_\_\_\_\_ No, reliability has not improved
- (3) \_\_\_\_\_ Users are unsure
- (-1) \_\_\_\_\_ MIC
- (-2) \_\_\_\_\_ NA
- \_\_\_\_\_ CL

d. Equity in the distribution of water supply <WSSEQUIT>

- (1) \_\_\_\_\_ Yes, equity has improved
- (2) \_\_\_\_\_ No, equity has not improved
- (3) \_\_\_\_\_ Users are unsure
- (-1) \_\_\_\_\_ MIC
- (-2) \_\_\_\_\_ NA
- \_\_\_\_\_ CL

e. Size of the area under irrigation <WSSAREA>

- (1) \_\_\_\_\_ Yes, size has increased
- (2) \_\_\_\_\_ No, size has not increased
- (3) \_\_\_\_\_ Users are unsure
- (-1) \_\_\_\_\_ MIC
- (-2) \_\_\_\_\_ NA
- \_\_\_\_\_ CL

f. Conflict over water distribution <WSSCONFL>

- (1) \_\_\_\_\_ Yes, conflict levels have decreased
- (2) \_\_\_\_\_ No, conflict levels have increased
- (3) \_\_\_\_\_ Users are unsure
- (-1) \_\_\_\_\_ MIC
- (-2) \_\_\_\_\_ NA
- \_\_\_\_\_ CL

C11. Resource Mobilization

- a1. After the management transfer, what proportion of total annual repair and maintenance cost is mobilized by the DOI? <RMAREP> \_\_\_\_\_ %
- a2. Before the management transfer, what proportion of total annual repair and maintenance cost was mobilized by the DOI? <RMBREP> \_\_\_\_\_ %
- a3. After the management transfer, what is the total amount of water fees collected for this system? <RMAFEE> \_\_\_\_\_
- a4. Before the management transfer, what was the total amount of water fees collected for this system? <RMBFEE> \_\_\_\_\_
- a5. After the management transfer, what proportion of the water users pay the water fee for this system? <RMAPAY> \_\_\_\_\_ %
- a6. Before the management transfer, what proportion of the water users pay the water fee for this system? <RMBPAY> \_\_\_\_\_ %
- a7. What proportion of collected water fee is retained by WUA? <RMWUA> \_\_\_\_\_ %

C12. Essential Structure Improvement (ESI)

- a1. What engineering works of ESI have been performed in the system after the



management transfer program? (text) <ESIWORKS>

a2. What was the total costs of ESI? <ESICOST> \_\_\_\_\_

a3. How were the resources for ESI mobilized? (text) <ESIMOBIL>

a4. What proportion of total cost for ESI were mobilized by WUA? <ESIPROP>

\_\_\_\_\_ %