

Cambodian Irrigation Scheme
Information System (CISIS)

Field questionnaire

**for Irrigation System with River
Pumping**

Sdao Koung.

CISIS code :
Map reference :
Halcrow's Basin reference:
Bibliography:.....

Employer: HI/KOSAN
Name of Project : Projet Politiques Agricoles CKH 3008, MOWRAM - CISIS
Funding: AFD

Name of data collector 1: Sok Pisetit Name of data collector 2: Keo Hony
Source of information (people interviewed): Keang Sarin

Date of the interview: 20-08-08
Comments: Made interview at Fwue president's house.

Name of scheme Sdao Koung
Other name of scheme

Province 1: Prey Veng
Province 2:

District Baphnom
Other districts

Reference point description: At point between bridge with Village Road.

Latitude reference point 11° 11' 58.6"

Longitude reference point 105° 29' 01.0"

Reference Commune Sdao Koung
(where reference point lies)

- Commune 2
- Commune 3
- Commune 4
- Commune 5
- Commune 6
- Commune 7
- Commune 8
- Commune 9
- Commune 10

Accessibility: Very easy Easy Difficult Very difficult

Comments:.....

Infrastructure Construction

Construction year : *French protection.*
Implementing agency :
Project (if any) : Not available
Construction Company (if any and known) : Not available
Designers (if any and known) : Not available
Works Supervisors (if any and known) : Not available
Total cost (if known) : Not available
Project Progress: Design works in progress completed abandoned unknown

Comments.....
.....

First rehabilitation

Rehabilitation year : *1975*
Implementing agency : *Pol pot*
Funding agency : Not available
Construction Company (if any and known) : Not available
Designers (if any and known) : Not available
Works Supervisors (if any and known) : Not available
Total cost (details in comments) : Not available
Project Progress: Design works in progress completed abandoned unknown

Comments.....
.....

Second rehabilitation (if more, write on the back of the page)

Rehabilitation year : *2004*
Implementing agency : *MOWRAM*
Funding agency : *A.F.D* Not available
Construction Company (if any and known) : Not available
Designers (if any and known) : *MOWRAM* Not available
Works Supervisors (if any and known) : *PDWRAM + MOWRAM* Not available
Total cost (details in comments) : Not available
Project Progress: Design works in progress completed abandoned unknown

Comments.....
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Sketch of the scheme: to be inserted as a separate document

Types of irrigation and/or water control infrastructures

Fonction of infrastructures (several possible, sort them by priority):

Flood protection	Wet season supplementary irrigation	Dry Season irrigation	Recession irrigation	Sea protection (polder)	Other (details)
	2	1			3+

Origin of irrigation water: Surface Underground Mixed No irrigation

Main intake:

Prek River Weir Reservoir Basic river pumping Borehole No intake other

Secondary intake:

Prek River Weir Reservoir Basic river pumping Borehole other

Distribution network: Gravity Pressure Mixed None

Comments: Water source are from Kompong Trabek River
+ Traffic

Irrigated area characteristics

	After construction/last rehabilitation	Still functional
Command area for flood or sea protection	ha	ha
Command area for wet season supplementary irrigation	8	ha
Equipped area for wet season supplementary irrigation	ha	ha
Command area for dry season irrigation	302	ha
Equipped area for dry season irrigation	ha	ha
Command area for recessing irrigation	ha	ha

Comments:

Agricultural uses

Average area of land cultivated during Dry Season (excluding recession rice) :..... 302ha
 Average area of land cultivated during Wet Season :.....ha
 Average area of land irrigated during Wet Season :.....ha
 Average area of floating rice in the reservoir :.....ha

Type of crop	Crop area (ha)	Average yield (t/ha or gross product in riel)
Pre-monsoon rice (WS)		
Monsoon rice (WS)		
Post-monsoon rice (WS)	Banla phelao	1.5
Dry season rice (recession not included)	IR 66	2.5
Recession rice (DS)		
Vegetables (mixed)	(cultivated land surface * number of cycles)	
Maize (WS and DS)		
Watermelon (DS)	5 ha	

Type of soils: Red Black Sandy dry Sandy-silty hydromorphic Silty flooded Other

Comments: They can cultivate two time in dry season.

Scheme Management

In there a FWUC in the scheme Yes No

If scheme managed by FWUC:

Year of FWUC creation: 2000 ... Year of registration by MOWRAM: 2004 Not registered

Assistance provided by: NGO PDWRAM Private Other No assistance

Project assistance to FWUC creation: CEDAE Period of assistance: 6 days

Official statutes? Yes No FWUC Bylaws: Yes No

Number of families: 231

Number of FWUC committee members (in statutes): 5

FWUC members elected? Yes No If yes, date of last election: 2007

Number of FWUC members that are (1) **fully active**: 4 (2) **little active**: 1 (3) **Not active**:

Average number of meetings per year over the last 3 years: 9 times per year

Comments.....
.....

FWUC Financial Management

Is there any annual budget planning by FWUC? Yes No

Does FWUC have a bank account? Yes No

Is there any accounting system: Yes No

Is there any ISF collected: Yes No (if no, go to system operation)

Main funding source ISF Subsidy from MOWRAM other subsidy in kind other

Secondary source of income ISF Subsidy from MOWRAM other subsidy in kind other

Level of ISF wet season? Riels/ha Kg of Paddy/ha liters/hour of pumping

Level of ISF dry season? 70000R Riels/ha Kg of Paddy/ ha liters/hour of pumping

Total amount of money collected in 2005: 9000000R

Total amount of money collected in 2006: 10000000R

Total amount of money collected in 2007: 20900000R Collection rate in 2007: 70000R

Comments..... FWUC take 30000R/h. If people private pumping from canal. Because of inflation of oil price, now FWUC takes fee about 120.000\$ per hecta for using machine pump of FWUC.

System Operation

Is there any operation planning?

Yes

No

Not necessary

Who is responsible for main system operation?

Individual farmer FWUC PDWRAM Commune Authority Village Authority Private investor other

Who is responsible for distribution network operation?

Individual farmer FWUC PDWRAM Commune Authority Village Authority Private investor other

Comments..... *Water distribution used system of gutters.*

System Maintenance

Is there any Maintenance work implemented in the scheme:

Yes

No

(if no, go to agricultural area)

Is there any maintenance planning?

Yes

No

Who is responsible for main system maintenance?

Individual farmer FWUC PDWRAM Commune Authority Village Authority Private investor other

Who is responsible for distribution network maintenance?

Individual farmer FWUC PDWRAM Commune Authority Village Authority Private investor other

Maintenance works in 2005:

Fill spot hole along dam and repairing gate structure

Operation and Maintenance budget 2005:

4000000.....Riels

Maintenance works in 2006:

.....
.....

Operation and Maintenance budget 2006:

.....Riels

Maintenance works in 2007:

.....
.....

Operation and Maintenance budget 2007:

.....Riels

Funding source for this work?

ISF collected

Special fee

MOWRAM budget

Commune Budget

Private investor

Donors

other

Comments..... *This canal is now have a problem with sediment at bottom of canal, so in dry season, water can't flow up to the end of canal.*

Description of Infrastructures: Pumping in Rivers

Description of pumping station 1

Number of pumps : <u>1</u>		Name of pumping station: PS1			
Pumps	P11	P12	P13	P14	P15
Discharge (m ³ /h)	<u>600</u>				
Total head (m)	<u>0.5</u>				
Condition of the pumping station:			/100		

Comments.....

Description of pumping station 2 (if more, write on the back of the form)

Number of pumps :		Name of pumping station: PS2			
Pumps	P21	P22	P23	P24	P25
Discharge (m ³ /h)					
Total head (m)					
Condition of the pumping station:			/100		

Comments.....

Description of infrastructures: Characteristics of Distribution network

Dikes	Total length (m)	Condition of dikes	Length with laterit (m)	Condition of laterit
Big dikes (3 m < crest)	<u>6800</u>	<u>70</u> / 100		/ 100
Medium dikes (1.5 m < crest < 3 m)		/ 100		/ 100
Small dikes (crest < 1.5 m)		/ 100		/ 100
All dikes (if detail not available)		/ 100		/ 100
Canals ranks	1ry	2ry	3ry	4ry
Number of canals	<u>1</u>			
Total length (m):	<u>3400</u>			
Average width (m):	<u>15</u>			
Condition of canals:	<u>60</u> /100	/100	/100	/100
Length and condition of all canals (if detail not available):	m	/100

Comments.....

