

APPENDIX D

Irrigation and Drainage

D.1 INVENTORY OF THE EXISTING IRRIGATION SYSTEM

Table D.1.1	Summary of the Existing Systems in Kratio.....	D.1.1
Table D.1.1.1-D.1.1.2	Inventory & Analysis of Existing Irrigation Systems in Kratio.....	D.1.2
Table D.1.2	Summary of the Existing Systems in Kampong Cham.....	D.1.6
Table D.1.2.1-D.1.2.2	Inventory & Analysis of Existing Irrigation Systems in Kampong Cham.....	D.1.7
Table D.1.3	Summary of the Existing Systems in Kandal.....	D.1.11
Table D.1.3.1-D.1.3.2	Inventory & Analysis of Existing Irrigation Systems in Kandal.....	D.1.12
Table D.1.4	Summary of the Existing Systems in Prey Veng.....	D.1.18
Table D.1.4.1-D.1.4.2	Inventory & Analysis of Existing Irrigation Systems in Prey Veng.....	D.1.19
Table D.1.5	Summary of the Existing Systems in Takeo.....	D.1.27
Table D.1.5.1-D.1.5.2	Inventory & Analysis of Existing Irrigation Systems in Takeo.....	D.1.28
Table D.1.6	Summary of Farmers Interview Survey Result in Irrigation.....	D.1.32
Table D.1.7	Summary of Irrigation System in Each Zone.....	D.1.33
Figure D.1.1	Location of the Existing Irrigation System.....	D.1.34

D.2 INVENTORY OF THE COLMATAGE SYSTEM

Table D.2.1	Present Condition of the Colmatage Canals.....	D.2.1
Table D.2.2	Inventory of Colmatage System in Each Zone.....	D.2.2
Table D.2.3	Inventory of Colmatage Canal in Kean Svay District, Kandal.....	D.2.3
Table D.2.4.1-D.2.4.3	Inventory of Colmatage Canal in Saang District, Kandal.....	D.2.5
Table D.2.5.1-D.2.5.4	Inventory of Colmatage Canal in Koh Thom District, Kandal.....	D.2.10
Table D.2.6.1-D.2.6.2	Inventory of Colmatage Canal in Leuk Dek District, Kandal.....	D.2.18
Table D.2.7	Inventory of Colmatage Canal in National Road No.6A.....	D.2.22
Table D.2.8.1-D.2.8.3	Inventory of Colmatage Canal in Kampong Cham.....	D.2.23
Table D.2.9.1-D.2.9.2	Inventory of Colmatage Canal in Peam Chor District, Prey Veng.....	D.2.29
Table D.2.10	Inventory of Colmatage Canal in Peam Ro District, Prey Veng.....	D.2.33
Table D.2.11	Inventory of Colmatage Canal in Takeo.....	D.2.35
Table D.2.12	Inventory of Colmatage Canal Facilities between Mekong and Bassac river.....	D.2.36
Figure D.2.1	Distribution of Colmatage Canal in the Study Area.....	D.2.46

D.3 INSTITUTION AND OPERATION & MAINTENANCE

Table D.3.1	Central Staff of the General Directorate of Irrigation Meteorology & Hydrology.....	D.3.1
Table D.3.2	Equipment List at Construction Office, GDIMH.....	D.3.2
Figure D.3.1	Organization Chart of the General GDIMH.....	D.3.3

Figure D.3.2	Organization Chart of Construction Office of GDIMH.....	D.3.4
Figure D.3.3	Organization of Provincial GDIMH Office.....	D.3.5
Figure D.3.4	Organization of the Koh Thom District, Kandal Province.....	D.3.6
Figure D.3.5	Organization of the Prek Thmei Commune, Koh Thom District, Kandal.....	D.3.7
Figure D.3.6	Organization of the Prek Thmei Commune, Koh Thom District, Kandal.....	D.3.8
D.4	PRIORITY PROJECT	
D.4.1	Summary of the Priority Projects.....	D.4.1
Table D.4.1 (1)-(3)	Summary of the Priority Project in the Study Area.....	D.4.16
Figure D.4.1	Boeng Veam Area Agricultural Development Project.....	D.4.19
Figure D.4.2	Prek Pou Canal Irrigation System Rehabilitation Project.....	D.4.20
Figure D.4.3	Pdav Chum Flood Dam Irrigation Project.....	D.4.21
Figure D.4.4	O Chrey Flood Dam Irrigation Project.....	D.4.22
Figure D.4.5	Tamouk Reservoir Area Agricultural Development Project.....	D.4.23
Figure D.4.6	Boeng Thom Area Agricultural Development Project.....	D.4.24
Figure D.4.7	Chhey Thom Area Agricultural Development Project.....	D.4.25
Figure D.4.8	Maleach Krobeaykon Area Agricultural Development Project.....	D.4.26
Figure D.4.9	Boeng Phtea Area Small Pump Irrigation Area.....	D.4.27
Figure D.4.10	Tasen Area Flood Dam Irrigation Project.....	D.4.28
Figure D.4.11	Sras Bram Bay Irrigation System Rehabilitation Project.....	D.4.29
Figure D.4.12	Boeng Pring Area Small Pump Irrigation Area.....	D.4.30
Figure D.4.13	Oakambok Area Canal System Rehabilitation Project.....	D.4.31
Figure D.4.14	Khsachsar Reservoir Area Pump Irrigation Rehabilitation Project.....	D.4.32
Figure D.4.15	Tourl Rolok Reservoir Irrigation System Rehabilitation Project.....	D.4.33
Figure D.4.16	Thnot Konchroung Irrigation System Rehabilitation Project.....	D.4.34
Figure D.4.17	Svay Khom Reservoir Irrigation System Rehabilitation Project.....	D.4.35
Figure D.4.18	Stung Takeo Irrigation System Rehabilitation Project.....	D.4.36
Figure D.4.19	Samaki Irrigation System Rehabilitation Project.....	D.4.37
D.5	INVENTORY OF THE AGRICULTURAL INFRASTRUCTURES FOR THE PRIORITY PROJECT	
Table D.5.1	Inventory of Colmatage Canal at Boeng Phtea Area.....	D.5.1
Table D.5.2	Inventory of Reservoirs in Boeng Phtea Area.....	D.5.3
Table D.5.3	Estimation of the Stored Water in the Reservoirs at Present.....	D.5.5

D.6	AGRICULTURAL INFRASTRUCTURES IMPROVEMENT PLAN	
Table D.6.1	Crop Water Requirement and Evaporation of the Reservoir for the Recession Paddy.....	D.6.1
Figure D.6.1	Irrigable Area for the Dry Season Recession Paddy in the Reservoirs and Available Water in the Swamps at Stage 1 Development Plan.....	D.6.2

D.1 INVENTORY OF THE EXISTING IRRIGATION SYSTEM

Table D.1.1 Summary of Existing Systems in Kratie

	Existing(ha)				Potential(ha)			
	<200	200-1000	>1000	Total	<200	200-1000	>1000	Total
Total Area(ha):				1676				1901
- Wet Season	0	0	0	0	0	0	0	0
- Dry Season	1676	0	0	1676	1901	0	0	1901
Number of Systems	52	0	0	52	52	0	0	52
Date of Construction:				52				52
-Before 1953	2	0	0	2	2	0	0	2
-1953-75	9	0	0	9	9	0	0	9
-1975-79	41	0	0	41	41	0	0	41
-1980 after	0	0	0	0	0	0	0	0
Status of Systems:				52				52
-Full Operational	36	0	0	36	36	0	0	36
-Partially Operational	15	0	0	15	15	0	0	15
_Not Operational	1	0	0	1	1	0	0	1
Water Surce:								
-Reservoir	52	0	0	52	52	0	0	52
-Lake	0	0	0	0	0	0	0	0
-Major River	0	0	0	0	0	0	0	0
-Minor River	0	0	0	0	0	0	0	0
-Stream	0	0	0	0	0	0	0	0
Irrigation System	52	0	0	52	52	0	0	52
Gravity (G)	12	0	0	12	12	0	0	12
Traditional Lifting (T)	3	0	0	3	3	0	0	3
Mobile Pump (MP)	2	0	0	2	2	0	0	2
G & T	0	0	0	0	0	0	0	0
G & MP	32	1	0	33	32	0	0	32
T & MP	1	0	0	1	1	0	0	1
T.M & G	2	0	0	2	2	0	0	2
Pumping Station	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0
Cropping:								
-Wet Season only	0	0	0	0	0	0	0	0
-Dry Season only	52	0	0	52	52	0	0	52
-Wet & Dry Seasons	0	0	0	0	0	0	0	0
Yields:								
Wet Season:								
-<1.5 ha	0	0	0	0	0	0	0	0
-1.5-2.0 t/ha	0	0	0	0	0	0	0	0
->2.0 t/ha	0	0	0	0	0	0	0	0
Dry Season:								
-<2.0 ha	0	0	0	0	0	0	0	0
-2.0-3.0 t/ha	51	0	0	51	51	0	0	51
->3.0 t/ha	0	0	0	0	0	0	0	0

Table D.1.1.1-(1) INVENTORY & ANALYSIS OF EXISTING IRRIGATION SYSTEMS
PROVINCE : Kratie

No.	District	System Name	System Number	Status*	5		6		7				8			
					Construction/Rehabilitation		Irrigation & Water Sources		Village		Household		Wet Season		Dry Season	
					Construction	Rehabilitation	Type**	Water Source	Exist.	Rehab.	Exist.	Rehab.	Exist.	Rehab.	Exist.	Rehab.
1		Sre Leav Dam	C5	F	1975-79	-	Mo.Pu. & G.	Reservoir	3	3	43	0	0	0	30	30
2		Beng Kror Dam	C6	F	1975-79	-	Mo.Pu. & G.	Reservoir	3	3	29	0	0	0	20	20
3		Sre Phal & Phum Bos Dam	C7	F	1975-79	-	Mo.Pu. & G.	Reservoir	6	6	39	0	0	0	25	25
4		Bak Kak Dam	C8	F	1975-79	-	Mo.Pu. & G.	Reservoir	2	2	17	0	0	0	12	12
5		Sre Thmey Dam	C9	P	1975-79	-	Mo.Pu. & G.	Reservoir	3	3	41	0	0	0	28	43
6		Miech Beng Keat Dam	C10	F	1975-79	-	Mo.Pu. T., & G.	Reservoir	4	4	46	0	0	0	30	30
7		Beng Miech Chhlong Dam	C11	F	1975-79	-	Mo.Pu. & G.	Reservoir	4	4	65	0	0	0	40	40
8		Beng Kachas Dam	C12	F	1975-79	-	Mo.Pu. T., & G.	Reservoir	4	4	42	0	0	0	32	32
9		Prek Svay Dam	C13	F	1975	-	Tra.	Reservoir	3	3	61	0	0	0	38	38
10		Sondann Dam	C14	F	1975-79	-	Tra.	Reservoir	3	3	31	0	0	0	20	20
11		Anlong Chhrey Dam	C15	F	1975-79	-	Tra.	Reservoir	4	4	59	0	0	0	40	40
12		Sre Thoug Roneas Dam	C16	F	1975-79	-	Mo.Pu. & G.	Reservoir	0	6	0	0	0	0	0	80
13		Kropeu Chheak Dam	C17	F	1975-79	-	Mo.Pu. & G.	Reservoir	3	3	19	0	0	0	15	15
14	Chhlong	Tropeang Pres Dam	C18	F	1975-79	-	Mo.Pu. & G.	Reservoir	4	4	196	0	0	0	180	180
15		Beng Kokar Dam	C19	F	1975-79	-	Mo.Pu. & Tra.	Reservoir	3	3	105	0	0	0	70	70
16		Phouil Dam	C28	F	1975-79	-	M.P. & G.	Reservoir	2	2	50	0	0	0	30	30
17		O Somrong Dam	C29	F	1975-79	-	M.P. & G.	Reservoir	3	3	50	0	0	0	35	35
18		O Ta Mang Dam	C30	F	1975-79	-	M.P. & G.	Reservoir	3	3	25	0	0	0	15	15
19		O Iasen Dam	C31	F	1975-79	-	M.P. & G.	Reservoir	3	3	85	0	0	0	65	65
20		O Chrey Dam	C32	P	1975-79	-	M.P. & G.	Reservoir	2	2	15	0	0	0	10	10
21		Bres Chhley Dam	C33	P	1975-79	-	M.P. & G.	Reservoir	2	2	20	0	0	0	15	18
22		Louk Dam	C34	P	1975-79	-	M.P. & G.	Reservoir	3	3	95	0	0	0	60	75
23		O Somrong Dam	C35	P	1975-79	-	M.P. & G.	Reservoir	3	3	50	0	0	0	30	35
24		Ta Tau Dam	C36	P	1975-79	-	M.P. & G.	Reservoir	2	2	15	0	0	0	10	17
25		Beng Veng Dam	C37	P	1975-79	-	M.P.	Reservoir	2	2	20	0	0	0	16	18
26		Tropeang Kro Dam	C38	P	1975-79	-	M.P.	Reservoir	2	2	25	0	0	0	18	22
27		Chong Mesrey Dam	C39	P	1975-79	-	M.P. & G.	Reservoir	2	2	13	0	0	0	10	15
28		Tropeang Phdav Dam	C40	P	1975-79	-	M.P. & G.	Reservoir	2	2	35	0	0	0	27	35
29		Prolech Dam	C41	P	1975-79	-	M.P. & G.	Reservoir	3	3	48	0	0	0	35	40
sub total									83	89	1339	0	0	956	1108	

Note : Status* : F : Full Operation, P : Partially Operation, NO : Not Operation

Type** : Tra. or T. Traditional Lifting, Gra. or G. : Gravity, Pump Sta. : Pumping Station, Mo. Pu. or M.P. or M. : Mobile Pumping

Table D.1.1.1-(2) INVENTORY & ANALYSIS OF EXISTING IRRIGATION SYSTEMS
PROVINCE : Kratie

No.	District	System Name	System Number	Yield (t/ha)				Problems and Comments		Remarks
				Wet Season		Dry Season		Problems	Comments	
				Exist.	Rehab.	Exist.	Rehab.			
1	Chhlong	Sre Leav Dam	0	0	2.0	2.5	Dam, gate& pipe damaged, water shortage	Repair dam, gate, & pipe, provide M.P	Recession cropping	
2		Beng Kror Dam	0	0	2.0	2.5	Dam, gate& pipe damaged, water shortage	Repair dam, gate, & pipe, provide M.P	Recession cropping	
3		Sre Phal & Phum Bos Dam	0	0	2.0	2.5	Dam, gate& pipe damaged, water shortage	Repair dam, gate, & pipe, provide M.P	Recession cropping	
4		Bak Kak Dam	0	0	2.0	2.5	Dam, gate& pipe damaged, water shortage	Repair dam, gate, & pipe, provide M.P	Recession cropping	
5		Sre Thmey Dam	0	0	3.0	3.0	Dam damaged	Repair dam	Recession cropping	
6		Miech Beng Keat Dam	0	0	2.0	2.0	System working satisfactory	-	Recession cropping	
7		Beng Miech Chhlong Dam	0	0	2.0	2.5	Dam damaged & water shortage	Provide M. P station	Recession cropping	
8		Beng Kachas Dam	0	0	2.5	2.5	System working satisfactory	-	Recession cropping	
9		Prek Svay Dam	0	0	2.0	2.5	Dam damaged	-	Recession cropping	
10		Sondann Dam	0	0	3.0	3.0	System working satisfactory	-	Recession cropping	
11		Anlong Chhrey Dam	0	0	2.0	2.5	Dam, gate & pipe damaged	Repair dam & gate	Recession cropping	
12		Sre Tboung Romeas Dam	0	0	0.0	2.5	Dam, gate & pipe damaged	Repair dam & gate	Recession cropping	
13		Kropeu Chheak Dam	0	0	2.5	2.5	Minor repair only	System working satisfactory	Recession cropping	
14		Tropeang Pres Dam	0	0	2.5	3.0	Dam, gate & pipe damaged	Repair dam & gate	Recession cropping	
15		Beng Rokar Dam	0	0	2.0	3.0	Dam, gate & pipe damaged	Repair dam & gate	Recession cropping	
16		Phoul Dam	0	0	2.0	2.5	Irrigation system damaged	Repair irrigation system	Recession cropping	
17		O Somrong Dam	0	0	2.0	2.5	Irrigation system damaged	Repair irrigation system	Recession cropping	
18		O Ta Mang Dam	0	0	2.0	2.5	Irrigation system damaged	Repair irrigation system	Recession cropping	
19		O tasen Dam	0	0	2.0	2.5	Irrigation system damaged	Repair irrigation system	Recession cropping	
20		O Chhrey Dam	0	0	2.5	2.5	Irrigation system damaged	Repair irrigation system	Recession cropping	
21		Bres Chhley Dam	0	0	2.5	2.5	Irrigation system damaged	Repair irrigation system	Recession cropping	
22		Louk Dam	0	0	2.5	2.5	Irrigation system damaged	Repair irrigation system	Recession cropping	
23		O Somrong Dam	0	0	2.5	2.5	Irrigation system damaged	Repair irrigation system	Recession cropping	
24		Ta Tau Dam	0	0	2.5	2.5	Irrigation system damaged	Repair irrigation system	Recession cropping	
25		Beng Veng Dam	0	0	2.5	2.5	Irrigation system damaged	Repair irrigation system	Recession cropping	
26		Tropeang Kro Dam	0	0	2.5	2.5	Irrigation system damaged	Repair irrigation system	Recession cropping	
27		Chong Mesrey Dam	0	0	2.5	2.5	Irrigation system damaged	Repair irrigation system	Recession cropping	
28		Tropeang Phdav Dam	0	0	2.5	2.5	Irrigation system damaged	Repair irrigation system	Recession cropping	
29		Prolech Dam	0	0	2.5	2.5	Irrigation system damaged	Repair irrigation system	Recession cropping	
sub total						2.2	2.6			

Table D.1.1.2-(1) INVENTORY & ANALYSIS OF EXISTING IRRIGATION SYSTEMS
PROVINCE : Kratie

No.	District	System Name	System Number	Status*	5		6		7				8			
					Construction/Rehabilitation		Irrigation & Water Sources		Village		Household		Wet Season		Dry Season	
					Construction	Rehabilitation	Type**	Water Source	Exist.	Rehab.	Exist.	Rehab.	Exist.	Rehab.	Exist.	Rehab.
30		Beng Leach Dam	P12	F	1975-79	-	G.	Reservoir	4	4	40	0	25	25		
31		O Tanop Dam	P13	F	1953-75	-	G.	Reservoir	2	2	70	0	30	30		
32		Beng Kehong Dam	P14	F	1975-79	-	M.P. & G.	Reservoir	1	1	80	0	50	50		
33		Prek Norei Dam	P15	P	1975-79	-	G.	Reservoir	1	1	30	0	18	48		
34		Rolot Dam	P16	F	1975-79	-	M.P. & G.	Reservoir	1	1	30	0	28	28		
35		Knach Popul Dam	P17	F	1975-79	-	G.	Reservoir	1	1	13	0	17	17		
36		O Prohot Dam	P18	P	1953-75	-	M.P. & G.	Reservoir	4	4	65	0	90	120		
37		Beng Rey Dam	P19	F	1953-75	-	M.P. & G.	Reservoir	1	1	30	0	27	27		
38		Tropeang Sondan Dam	P20	F	1975-79	-	G.	Reservoir	1	1	52	0	45	45		
39		Brang Cham Dam	P21	P	1953-75	-	G.	Reservoir	1	1	24	0	16	25		
40		Thmey Dam	P22	F	1975-79	-	G.	Reservoir	3	3	72	0	60	60		
41		Beng Kda Dam	P23	P	1975-79	-	G.	Reservoir	3	3	25	0	26	30		
42	Prek Prassap	O Chrey Dam	P24	F	Before 1953	-	M.P. & G.	Reservoir	1	1	12	0	14	14		
43		Yey Kouk Dam	P25	F	Before 1953	-	M.P. & G.	Reservoir	1	1	14	0	12	12		
44		Sre Andoung Dam	P26	F	1953-75	-	G.	Reservoir	3	3	30	0	30	30		
45		Beng Roha Dam	P27	F	1975-79	-	M.P. & G.	Reservoir	4	4	20	0	18	18		
46		Tropeang Chhouk Dam	P28	F	1953-75	-	G.	Reservoir	2	2	80	0	70	70		
47		Ta Chhon Dam	P29	F	1953-75	-	G.	Reservoir	2	2	29	0	30	30		
48		Tropeang Et Dam	P30	F	1975-79	-	G.	Reservoir	1	1	17	0	15	15		
49		Boeng Krosa Dam	P31	F	1975-79	-	M.P. & G.	Reservoir	3	3	60	0	54	54		
50		Sre Chhnep Dam	P32	F	1975-79	-	M.P. & G.	Reservoir	2	2	15	0	12	12		
51		Phlouk Krobey Dam	P33	F	1953-75	-	M.P. & G.	Reservoir	1	1	27	0	20	20		
52		Ta Paung Dam	P34	F	1953-75	-	M.P. & G.	Reservoir	1	1	17	0	13	13		
		sub total							44	44	852	0	720	793		
		Total							127	133	2191	0	1676	1901		

Note : Status* : F : Full Operation, P : Partially Operation, NO : Not Operati
Type** : Tra. or T. Traditional Lifting, Gra. or G. : Gravity, Pump Sta. : Pumping Station, Mo. Pu. or M.P. or M. : Mobile Pumping
: Data Source : Irrigation Rehabilitation Study in Cambodia, Halcrow, 1994

Table D.1.1.2-(2) INVENTORY & ANALYSIS OF EXISTING IRRIGATION SYSTEMS
 PROVINCE : Kratie

No.	District	System Name	System Number	Yield (t/ha)		Problems and Comments		Remarks
				9		Problems	Comments	
				Wet Season Existing	Dry Season Existing			
30	Prek Prasap	Beng Leach Dam	0	2.0	2.0	System working satisfactory	-	Recession cropping
31		O Tanop Dam	0	2.0	2.0	System working satisfactory	-	Recession cropping
32		Beng Kchomg Dam	0	2.0	2.0	System working satisfactory	-	Recession cropping
33		Prek Norei Dam	0	2.0	2.0	Dam & gate damaged	Repair dam & gate	Recession cropping
34		Rolot Dam	0	2.0	2.0	Dam & gate damaged	Repair dam & gate	Recession cropping
35		Knach Popul Dam	0	2.0	2.0	System working satisfactory	-	Recession cropping
36		O Prohot Dam	0	2.0	2.0	Dam damaged	Repair dam	Recession cropping
37		Beng Rey Dam	0	2.0	2.0	Dam damaged	Repair dam	Recession cropping
38		Tropang Sondan Dam	0	2.0	2.0	Dam damaged	Repair dam	Recession cropping
39		Brang Cham Dam	0	3.0	3.0	Dam damaged	Repair dam	Recession cropping
40		Thney Dam	0	2.5	2.5	Dam damaged	Repair dam	Recession cropping
41		Beng Kda Dam	0	2.5	2.5	Dam damaged	Repair dam	Recession cropping
42		O Chrey Dam	0	2.5	2.5	Dam damaged	Repair dam	Recession cropping
43		Yeyy Kouk Dam	0	2.0	2.0	Dam damaged	Repair dam	Recession cropping
44		Sre Andoung Dam	0	3.0	3.0	System working satisfactory	-	Recession cropping
45		Beng Roha Dam	0	2.5	2.5	System working satisfactory	-	Recession cropping
46		Tropang Chhouk Dam	0	2.5	2.5	System working satisfactory	-	Recession cropping
47		Ta Chhon Dam	0	2.0	2.0	System working satisfactory	-	Recession cropping
48		Tropang Et Dam	0	2.5	2.5	System working satisfactory	-	Recession cropping
49		Boeng Krosa Dam	0	2.0	2.0	System working satisfactory	-	Recession cropping
50		Sre Chhnap Dam	0	2.0	2.0	System working satisfactory	-	Recession cropping
51		Phlouk Krobey Dam	0	2.0	2.0	System working satisfactory	-	Recession cropping
52		Ta Paung Dam	0	2.0	2.0	System working satisfactory	-	Recession cropping
sub total				2.2	2.3			
Total				2.2	2.5			

Table D.1.2 Summary of Existing Systems in Kompong Cham

	Existing(ha)				Potential(ha)			
	<200	200-1000	>1000	Total	<200	200-1000	>1000	Total
Total Area(ha):				19486				37444
- Wet Season	460	500	12433	13393	840	1700	16833	19373
- Dry Season	743	2350	3000	6093	1506	5265	11300	18071
Number of Systems	32	11	3	46	22	15	9	46
Date of Construction:				46				46
-Before 1953	3	3	2	8	2	4	2	8
-1953-75	10	1	0	11	9	2	0	11
-1975-79	19	7	1	27	11	9	7	27
-1980 after	0	0	0	0	0	0	0	0
Status of Systems:								
-Full Operational	1	0	1	2	1	0	1	2
-Partially Operational	20	11	2	33	5	11	6	22
_Not Operational	11	0	0	11	16	4	2	22
Water Surce:				46				46
-Reservoir	27	10	1	38	20	14	4	38
-Lake	3	0	0	3	0	1	2	3
-Major River	1	0	1	2	0	0	1	1
-Minor River	0	0	0	0	1	0	0	1
-Stream	1	1	1	3	1	0	2	3
Irrigation System	32	11	3	46	22	15	9	46
Gravity (G)	0	0	0	0	0	0	0	0
Traditional Lifting (T)	1	0	0	1	1	0	0	1
Mobile Pump (MP)	0	0	0	0	0	0	0	0
G & T	13	7	1	21	7	10	2	19
G & MP	0	0	0	0	0	0	0	0
T & MP	12	0	0	12	11	3	0	14
T.M & G	2	3	0	5	2	1	2	5
Pumping Station	3	0	0	3	0	1	3	4
Others	1	1	2	4	1	0	2	3
Cropping:								
-Wet Season only	3	8	1	5	3	0	2	5
-Dry Season only	16	0	0	23	13	7	3	23
-Wet & Dry Seasons	13	3	2	18	6	8	4	18
Yields:								
Wet Season:								
-<1.5 ha	2	1	3	6	1	0	0	1
-1.5-2.0 t/ha	6	2	0	8	5	2	6	13
->2.0 t/ha	0	0	0	0	3	5	0	8
Dry Season:				0				
-<2.0 ha	15	10	2	27	18	11	7	36
-2.0-3.0 t/ha	0	0	0	0	1	4	0	5
->3.0 t/ha	0	0	0	0	0	0	0	0

Table D.1.2.1-(1) INVENTORY & ANALYSIS OF EXISTING IRRIGATION SYSTEMS
PROVINCE : Kampong Cham

No.	District	System Name	System Number	Status*	Construction/Rehabilitation		Irrigation & Water Sources		Village and Household			Planting Area (ha)				
					Construction	Rehabilitation	Type**	Water Source	Village		Household		Wet Season		Dry Season	
									Exist.	Rehab.	Exist.	Rehab.	Exist.	Rehab.	Exist.	Rehab.
1	Kampong Seim	Prek Deamecham Dam	KPS 1	F	Before 1953	1980-92	Tra. & M.	Reservoir	5	5	800	800	20	20	20	20
2		Chuy Chek Dam	KPS 2	P	1975-79	-	Tra. & G.	Reservoir	16	16	1200	1200	0	350	300	350
3		Boeng Trangel Dam	KPS 3	P	1975-79	-	Tra.	Reservoir	4	4	250	250	70	80	0	0
	sub total								25	25	2250	2250	90	450	320	370
4	Srey Santhel	Prek Pou Canal	SST 1	P	1975-79	-	Tra., M. & P.S.	Major river	35	35	5677	5677	2966	2966	0	1500
5		Bay De Dam	SST 2	P	Before 1953	-	Tra. & M.	Reservoir	3	3	590	590	0	0	254	254
6		Stung Dam	SST 3	P	Before 1953	-	Tra. & M.	Reservoir	6	6	1726	1726	0	0	356	356
	sub total								44	44	7993	7993	2966	2966	610	2110
7	Tbong Khnum	Domeltram Dam	TK4.C	P	1975-79	1980-92	Tra., M & G.	Reservoir	1	2	45	70	0	0	60	60
8		Kbal Hong Dam	TK5.C	P	1975-79	-	Tra. & G.	Major river	3	3	450	450	90	90	50	50
	sub total								4	5	495	520	90	90	110	110
9	Bathey	17 April Reservoir	BT 2	P	1975-79	-	Tra. & G.	Reservoir	5	6	370	460	0	1000	200	1,200
10		Toul Cham Reservoir	BT 3	P	1975-79	-	Tra. & G.	Reservoir	1	1	90	90	0	0	200	600
11		O Chery Flood Dam	BT 4	P	1975-79	-	-	Stream	10	10	1,500	1,500	800	1,500	0	0
12		Satbar Flood Dam	BT 5	P	Before 1953	1980-92	-	Stream	2	2	50	50	90	175	0	100
	sub total								18	19	2010	2100	890	2675	400	1900
13		Boeng Chreng Dam	KCH 1	P	1953-75	-	Tra. & M. P	Reservoir	0	1	0	167	0	0	0	42
14		Boeng Konn Reng Dam	KCH 2	P	1953-75	-	Tra. & M. P	Reservoir	1	1	30	100	0	0	10	43
15		Khselv Dam	KCH 3	NO	1953-75	-	Tra. & M. P	Reservoir	0	1	0	172	0	0	0	68
16	Kroch Chhmar	Peus Il Dam	KCH 4	NO	1953-75	-	Tra. & M. P	Reservoir	0	1	0	30	0	0	0	20
17		Chong Chhreutal Dam	KCH 5	NO	1953-75	-	Tra. & M. P	Reservoir	0	3	0	79	0	0	0	200
18		Phset Dam	KCH 6	NO	1953-75	-	Tra. & M. P	Reservoir	0	1	0	160	0	0	0	65
19		Prek Achi Dam	KCH 7	NO	1953-75	-	Tra. & M. P	Reservoir	0	1	0	146	0	0	0	70
	sub total								1	9	30	854	0	0	10	508
20		Kompong Chom Bork Dam	KST 1	P	1975-79	1980-92	Tra. & M. P	Reservoir	1	1	110	110	0	0	24	24
21	Koh Solin	Prek Kol Dam	KST 2	P	1975-79	-	Tra. & M. P	Reservoir	7	7	300	300	0	0	110	110
22		Bantheay Thom Dam	KST 3	P	1953-75	-	Tra. & M. P	Reservoir	2	2	180	180	0	0	114	114
23		Prek Veal Sbeuv Dam	KST 4	P	1975-79	-	Tra. & M. P	Reservoir	2	2	120	120	0	0	30	60
	sub total								12	12	710	710	0	0	278	308

Note : Status* : F : Full Operation, P : Partially Operation, NO : Not Operation

Type** : Tra. or T. : Traditional Lifting, Gra. or G. : Gravity, P.S. : Pumping Station, Mo Pu. or M.P or M. : Mobile Pumping

Table D.1.2.1-(2) INVENTORY & ANALYSIS OF EXISTING IRRIGATION SYSTEMS
 PROVINCE : Kampong Cham

No.	District	System Name	System Number	Yield (t/ha)				Problems and Comments		Remarks
				Wet Season		Dry Season		Problems	Comments	
				Exist.	Rehab.	Exist.	Rehab.			
				9.0		1.1				
1	Kampong Seim	Prek Desanham Dam	KPS 1	1.5	2.0	1.5	1.5	2.0 Dam damaged	Provide flood protection dike & drinking water	Double cropping
2		Chroy Chek Dam	KPS 2	0.0	2.5	1.8	2.5	Dam, canal & gate damages, Implemented by EU has already implemented.		Double cropping
3		Boeng Trangel Dam	KPS 3	2.0	2.5	0.0	0.0	Dam & gate damaged	Repair dam & gate	Wet season only
sub total				1.8	2.3	1.7	2.3			
4	Srey Santhei	Prek Peu Canal	SST 1	1.0	1.5	0.0	1.2	Canal damaged & pump station needed	Design for irrigation system necessary	Double cropping
5		Bay De Dam	SST 2	0.0	0.0	1.0	1.5	Dam damaged	Repair dam & build gate	Recession cropping
6		Stung Dam	SST 3	0.0	0.0	1.0	1.5	Dam damaged	Repair dam & build gate	Recession cropping
sub total				1.0	1.5	1.0	1.4			
7	Thong Khmum	Donretram Dam	TK4C	0.0	0.0	1.5	1.8	Dam & gate damaged	Repair dam & gate	Recession cropping
8		Kbal Hong Dam	TK5C	1.7	2.0	1.2	1.5	Dam & gate damaged	Repair dam & gate	Double cropping
sub total				1.7	2.0	1.4	1.7			
9	Banteay	17 April Reservoir	BT 2	0.0	0.0	1.0	1.5	Dam & gate damaged	Repair dam & gate, provide canals	Recession cropping
10		Total Cham Reservoir	BT 3	0.0	0.0	1.0	1.5	Dam damaged & gate needed	Repair dam & build gate	Recession cropping
11		O Chery Flood Dam	BT 4	1.2	1.5	0.0	0.0	Dam damaged	Flood protection embankment-raised crop only	Wet season only
12		Santbar Flood Dam	BT 5	1.2	1.2	0.0	0.0	-	Flood protection embankment-raised area	Wet season only
sub total				1.2	1.4	1.0	1.5			
13	Kroeh Chhnar	Boeng Chreing Dam	KCH 1	0.0	0.0	0.0	1.5	Dam damaged & sluice gate needed	Repair dam & build gate	Recession cropping
14		Boeng Konn Reng Dam	KCH 2	0.0	0.0	1.2	1.5	Dam damaged & sluice gate needed	Repair dam & build gate	Recession cropping
15		Khsely Dam	KCH 3	0.0	0.0	0.0	1.5	Dam damaged & sluice gate needed	Repair dam & build gate	Recession cropping
16		Peus II Dam	KCH 4	0.0	0.0	0.0	1.5	Dam damaged & sluice gate needed	Repair dam & build gate	Recession cropping
17		Chong Chhouteal Dam	KCH 5	0.0	0.0	0.0	1.5	Dam damaged & sluice gate needed	Repair dam & build gate	Recession cropping
18		Phsor Dam	KCH 6	0.0	0.0	0.0	1.5	Dam damaged & sluice gate needed	Repair dam & build gate	Recession cropping
19		Prek Achi Dam	KCH 7	0.0	0.0	0.0	1.5	Dam damaged & sluice gate needed	Repair dam & build gate	Recession cropping
sub total				0.0	0.0	1.2	1.5			
20	Koh Sotin	Kompong Chom Bork Dam	KST 1	0.0	0.0	1.2	1.5	Dam damaged & gate needed	Repair dam & build gate	Recession cropping
21		Prek Koi Dam	KST 2	0.0	0.0	1.2	1.5	Dam damaged & canal needed	Repair dam & rehab. canal	Recession cropping
22		Banteay Thom Dam	KST 3	0.0	0.0	1.2	1.5	Dam damaged & canal needed	Repair dam & rehab. canal	Recession cropping
23		Prek Veal Sbeuv Dam	KST 4	0.0	0.0	1.2	1.5	Dam damaged & canal needed	Repair dam & rehab. canal	Recession cropping

Table D.1.2.2-(1) INVENTORY & ANALYSIS OF EXISTING IRRIGATION SYSTEMS

PROVINCE : Kampong Cham

No.	District	System Name	System Number	Status	4		5		6		7				8			
					Construction/Rehabilitation		Irrigation & Water Sources		Village and Household		Village		Household		Wet Season		Dry Season	
					Construction	Rehabilitation	Type**	Water Source	Existing	Rehab.	Exist.	Rehab.	Exist.	Rehab.	Exist.	Rehab.	Exist.	
24		Toul Phlung Dam	ST 1	P	1975-79	-	-	-	-	-	-	-	-	-	0	0	50	150
25		Véal Sos Kiel Dam	ST 2	NO	1953-75	1980-92	Tra. & G.	Reservoir	0	2	0	175	0	25	0	0	160	
26	Stung Trang	Kok Dam	ST 4	P	1975-79	-	Tra. & G.	Reservoir	4	4	100	100	0	0	0	100	275	
27		O Pralay Meas	ST 7	P	1975-79	-	Tra. & G.	Reservoir	2	2	205	205	50	60	0	0	0	
28		Toul Preah Kieang	ST 8	P	1975-79	-	Tra. & G.	Reservoir	-	-	-	-	0	150	50	150	150	
	sub total								6	8	305	480	50	235	200	735		
29		Tuk Char Reservoir	PCH 1	P	Before 1953	1980-92	Tra. & G.	Reservoir	15	15	1952	1952	5582	5582	3000	3000	3000	
30		Play Prek Dam	PCH 4	NO	Before 1953	-	Tra. & G.	Reservoir	0	9	0	877	0	0	0	800	800	
31	Prey Chhor	Rolompou Dam	PCH 5	NO	1975-79	-	Tra. & G.	Reservoir	0	5	0	325	0	0	0	700	700	
32		Samrong Pump Station	PCH 6	NO	1975-79	-	P.S.	Lake	0	8	0	635	0	1500	0	1500	1500	
33		Khum Lovea Pump Station	PCH 7	NO	1975-79	-	P.S.	Lake	0	6	0	525	0	1200	0	1200	1200	
	sub total								15	43	1952	4314	5582	8282	3000	7200		
34		Team Leang Reservoir	KM 1	P	1975-79	1980-92	Tra. , M. & G.	Reservoir	6	6	720	720	0	0	200	800	800	
35	Kang Meas	Bakrobes Dam	KM 2	P	1975-79	1981-92	Tra. , M. & G.	Reservoir	7	7	860	860	0	0	300	1300	1300	
36		Boeng Kak Dam	KM 3	P	1975-79	1980-92	Tra. , M. & G.	Reservoir	8	8	1,050	1,050	0	0	500	1,600	1,600	
37		Angkakok Dam	KM 4	P	1975-79	-	Tra. , M. & G.	Reservoir	1	8	32	600	0	0	15	170	170	
	sub total								22	29	2,662	3,230	0	0	1,015	3,870		
38	Cheung Prey	Pdav Chum Water Dam	CP 1	F	Before 1953	1980-92	-	Stream	9	9	1,500	1,500	3,085	3,085	0	0	0	
39		Angtunup Daombann	CP 2	P	1975-79	-	Tra. & G.	Reservoir	5	5	420	420	0	50	100	400	400	
	sub total								14	14	1,920	1,920	3,085	3,135	100	400		
40		Toutalaop Station	ORO 1	NO	1975-79	-	P.S.	Lake	0	9	0	540	0	400	0	400	400	
41		Cimong	ORO 2	P	1953-75	-	Tra. & G.	Reservoir	7	7	430	430	300	300	30	50	50	
42		Tonle Sngout Reservoir	ORO 3	P	Before 1953	-	Tra. & G.	Reservoir	4	4	253	253	200	200	10	50	50	
43	O Reang Ov	O Bak Touk Dam	ORO 5	P	1975-79	-	Tra. & G.	Reservoir	0	4	0	400	0	200	0	20	20	
44		Khors Eut Dam	ORO 6	P	1975-79	On-going	Tra. & G.	Reservoir	3	4	300	450	30	150	0	10	10	
45		Phnom Dei Dam	ORO 7	P	1975-79	1980-92	Tra. & G.	Reservoir	3	7	180	340	70	200	5	10	10	
46		Dambok Kpous Dam	ORO 8	P	1953-1975	-	Tra. & G.	Reservoir	3	3	150	150	40	90	5	20	20	
	sub total								20	38	1,313	2,553	640	1,540	50	560	560	
	Total								181	246	21,640	26,924	13,393	19,373	6,093	18,071	18,071	

Note : Status* : F : Full Operation, P : Partially Operation, NO : Not Operation
 Type** : Tra. or T. : Traditional Lifting , Gra. or G. : Gravity, P.S. : Pumping Station, Mo Pu. or M.P. or M. : Mobile Pumping
 Data Source : Irrigation Rehabilitation Study in Cambodia, Halcrow, 1994

Table D.1.1.2.2-(2) INVENTORY & ANALYSIS OF EXISTING IRRIGATION SYSTEMS

PROVINCE : Kampong Cham

No.	District	System Name	System Number	Yield (t/ha)		Problems and Comments		Remarks		
				9.0		Problems	Comments			
				Wet Season Existing	Dry Season Existing					
24	Stung Treng	Toul Phlung Dam	ST 1	0.0	1.2	1.5	Dam damaged & canal needed	Repair dam & build gate	Recession cropping	
25		Yeal Sos Kiel Dam	ST 2	0.0	1.8	0.0	1.5	Dam damaged & gate needed	Repair dam & build gate	Double cropping
26		Kok Dam	ST 4	0.0	0.0	1.2	1.5	Dam damaged & gate needed	Repair dam & build gate	Recession cropping
27		O Pralay Meas	ST 7	1.2	1.5	0.0	0.0	Dam damaged	Repair dam & build gate	Wet season only
28		Toul Preah Kleang	ST 8	0.0	1.5	1.5	1.8	Inadequate pump capacity	Increase pump capacity	Double cropping
	sub total			1.2	1.6	1.3	1.6			
29	Prey Chhor	Tuk Char Reservoir	PCH 1	1.2	2.0	0.0	1.2	Completed by ADB, GDMH	Repair dam & gate	Double cropping
30		Play Prek Dam	PCH 4	0.0	0.0	0.0	2.0	Dam damaged & gate needed	Repair pump station	Recession cropping
31		Rolompou Dam	PCH 5	0.0	0.0	0.0	1.5	Pump station damaged	Repair pump station	Double cropping
32		Saomrong Pump Station	PCH 6	0.0	1.5	0.0	1.2	Pump station damaged	Repair pump station	Double cropping
33		Khum Lovea Pump Station	PCH 7	0.0	1.5	0.0	1.2	Dam damaged & canal level low	Repair dam & build gate	Double cropping
	sub total			1.2	1.7	0.0	1.4			
34	Kang Meas	Team Leang Reservoir	KM 1	0.0	0.0	1.5	1.5	Dam damaged & canal level low	Repair dam & build gate	Recession cropping
35		Bakrothes Dam	KM 2	0.0	0.0	1.5	1.5	Dam damaged & canal level low	Repair dam & build gate	Recession cropping
36		Boeng Kak Dam	KM 3	0.0	0.0	1.5	1.5	Dam damaged & canal level low	Repair dam & build gate	Recession cropping
37		Angtakok Dam	KM 4	0.0	0.0	1.5	1.5	Dam damaged & canal level low	Repair dam & build gate	Recession cropping
		sub total			0.0	0.0	1.5	1.5		
38	Cheung Prey	Pdav Chum Water Dam	CP 1	1.3	1.5	0.0	0.0	Working adequately	Flood protection embankment, rainfed crop only	Wet season only
39		Angnumup Daombann	CP 2	0.0	2.0	1.2	1.5	Dam & gate needed	Repair dam & build gate	Double cropping
	sub total			1.3	1.8	1.2	1.5			
40	O Reang Ov	Toulaiaop Station	ORO 1	0.0	2.0	0.0	1.5	Pump station & canal damaged	Rebuild P.S. & rehabilitate system	Double cropping
41		Cimong	ORO 2	2.0	2.5	1.2	1.8	Dam damaged	Repair dam & build gate	Double cropping
42		Tonle Sogout Reservoir	ORO 3	2.0	2.5	1.5	2.0	Dam damaged	Repair dam & build gate	Double cropping
43		O Bak Touk Dam	ORO 5	0.0	2.5	0.0	1.8	Dam damaged & system needed	Repair dam & build gate	Double cropping
44		Khors Eut Dam	ORO 6	2.0	2.5	0.0	1.8	Dam damaged	Repair dam & build gate	Double cropping
45		Phnom Dei Dam	ORO 7	2.0	2.5	1.5	2.0	Dam damaged	Repair dam & build gate, poor soil	Double cropping
46		Dambok Kpous Dam	ORO 8	2.0	2.5	1.0	1.5	Dam damaged	Repair dam & build gate	Double cropping
		sub total			2.0	2.4	1.3	1.8		
	Total			1.4	1.6	1.3	1.6			

Table D.1.3 Summary of Existing Systems in Kandal

	Existing(ha)				Potential(ha)			
	<200	200-1000	>1000	Total	<200	200-1000	>1000	Total
Total Area(ha):				29770				46665
- Wet Season	951	1579	9042	11572	955	2887	10372	14214
- Dry Season	2326	7616	8256	18198	2635	9160	10656	32451
Number of Systems	28	28	8	64	25	29	10	64
Date of Construction:				64				64
-Before 1953	9	5	0	14	8	6	0	14
-1953-75	0	0	0	0	0	0	0	0
-1975-79	15	22	8	45	13	22	10	45
-1980 after	4	1	0	5	4	1	0	5
Status of Systems:				64				64
-Full Operational	11	12	2	25	11	12	2	25
-Partially Operational	16	16	6	38	13	17	8	38
-Not Operational	1	0	0	1	1	0	0	1
Water Surce:								
-Reservoir	22	23	6	51	20	23	8	51
-Lake	0	1	0	1	0	1	0	1
-Major River	1	0	0	1	1	2	0	3
-Minor River	3	4	2	9	2	3	2	7
-Stream	2	0	0	2	2	0	0	2
Irrigation System	28	28	8	64	25	29	10	64
Gravity (G)	3	3	2	8	3	3	2	8
Traditional Lifting (T)	0	0	0	0	0	0	0	0
Mobile Pump (MP)	0	0	0	0	0	0	0	0
G & T	12	13	3	28	11	12	5	28
G & MP	3	4	0	7	3	4	0	7
T & MP	3	2	1	6	2	3	1	6
T.M & G	2	3	2	7	2	3	2	7
Pumping Station	5	3	0	8	4	4	0	8
Others	0	0	0	0	0	0	0	0
Cropping:				64				64
-Wet Season only	3	2	1	6	3	2	1	6
-Dry Season only	19	22	4	45	17	22	6	45
-Wet & Dry Seasons	6	4	3	13	5	5	3	13
Yields:								
Wet Season:								
-<1.5 ha	0	0	1	1	0	0	0	0
-1.5-2.0 t/ha	8	6	3	17	8	0	1	9
->2.0 t/ha	1	0	0	1	0	7	3	10
Dry Season:								
-<2.0 ha	3	3	0	6	0	0	0	0
-2.0-3.0 t/ha	19	12	3	34	17	14	5	36
->3.0 t/ha	2	8	2	12	5	13	4	22

Table D.1.3.1-(1) INVENTORY & ANALYSIS OF EXISTING IRRIGATION SYSTEMS
PROVINCE : Kandal

No.	District	System Name	System Number	Status*	Construction/Rehabilitation		Irrigation & Water Sources		Village and Household			Planting Area (ha)				
					Construction	Rehabilitation	Type**	Water Source	Village		Household		Wet Season		Dry Season	
									Existing	Rehabil.	Existing	Rehabil.	Existing	Rehabil.	Existing	Rehabil.
1	Kandal Stung	System No.63	KST11	P	1975-79	1980-92	Gravity	Minor river	31	32	1,730	1,930	1,520	1,700	0	1,350
2		Canal No.60	KST21	P	1975-79		Tra. & Gra.	Minor river	40	43	1,089	1,181	325	543	0	543
3		Rasa Station	KST31	F	1980 and after	1980-92	Pump Sta.	Minor river	4	4	500	500	150	150	50	50
		sub total						75	79	3,319	3,611	1,995	2,393	50	1,943	
4	Lvea Em	Yothasabeng Kork	LE 1	P	1975-79		Tra. & Gra.	Reservoir	3	3	325	360	0	0	125	157
5		Yothas Bokazeng	LE 2	P	1975-79		Tra. & Gra.	Reservoir	2	2	215	245	0	0	126	172
6		Toteng Tha Ay	LE 3	P	1975-79		Tra. & Gra.	Reservoir	3	3	639	639	0	0	165	193
7		Konlong Siley	LE 4	P	1975-79		Tra. & Gra.	Reservoir	3	3	639	639	0	0	77	105
8		Beng Andong	LE 5	NO	1975-79		Tra. & Gra.	Reservoir	5	5	495	495	0	0	0	100
9		Konlong Peny	LE 6	P	1975-79		Tra. & Gra.	Reservoir	3	3	530	530	0	0	70	100
		sub total						19	19	2,843	2,908	0	0	563	857	
10	Takhmau(PT)	Toul Krosing	TK11H	P	1975-79	1980-92	Pump Sta.	Lake	5	5	392	392	287	287	0	287
11		Dem Leup	TK21H	P	1975-79	1980-92	Pump Sta.	Major river	8	8	520	520	337	327	0	337
		sub total						13	13	912	912	624	614	0	624	
12	Muk Kampoul	Tach	MP 1	P	1975-79	1980-92	Tra. & Gra.	Reservoir	16	16	2,891	2,891	0	0	1,245	1,600
13		Anpou Deep	MP 2	P	1975-79	1980-92	Tra. & Gra.	Reservoir	1	1	150	150	0	0	250	250
		sub total						17	17	3,041	3,041	0	0	1,495	1,850	
14	Sueng	28 Kakada Reservoir	SA 1	P	1975-79	1980-92	Tra. & Gra.	Reservoir	5	5	480	480	0	0	200	300
15		Prek Rang	SA 2	P	1975-79	1980-92	Gravity	Reservoir	14	14	1,266	1,266	0	0	380	470
16		O Andoung Gate	SA 3	F	1975-79	1980-92	Tra. & Gra.	Reservoir	26	26	4,235	4,235	0	0	1,370	1,370
17		Chomlong Pro	SA 4	P	1975-79	1980-92	Tra. & Gra.	Reservoir	7	7	640	640	0	0	220	280
18		Deung Thnot	SA 5	P	1975-79	1980-92	Tra. & Gra.	Reservoir	6	6	1,002	1,002	0	0	240	320
19		Tros Torteng	SA 6	F	1975-79	1980-92	Tra. & Gra.	Reservoir	9	9	1,844	1,844	0	0	300	300
20		Trotlay Brey	SA 7	F	1975-79	1980-92	Tra. & Gra.	Reservoir	3	3	720	720	0	0	270	270
21		A Thnot	SA 8	F	1975-79	1980-92	Tra. & Gra.	Reservoir	2	2	830	830	0	0	330	330
22		Peumso	SA 9	F	1975-79	1980-92	Tra. & Gra.	Reservoir	3	3	975	975	0	0	175	175
23		Prek Sleng	SA 10	F	1975-79	1980-92	Tra. & Gra.	Reservoir	4	4	1,750	1,750	0	0	475	475
24		Tpkco	SA 11	F	1975-79	1980-92	Tra. & Gra.	Reservoir	4	4	1,230	1,230	0	0	180	180

Note : Status* : F : Full Operation, P : Partially Operation, NO : Not Operation
Type** : Tra. or T : Traditional Lifting, Gra. or G. : Gravity, Pump Sta. : Pumping Station, M.P. or M. : Mobile Pumping

Table D.1.3.2-(1) INVENTORY & ANALYSIS OF EXISTING IRRIGATION SYSTEMS
PROVINCE : Kandal

No.	District	System Name	System Number	Status*	5		6			7			8		
					Construction/Rehabilitation		Irrigation & Water Sources			Villages and Household			Planting Area (ha)		
					Construction	Rehabilitation	Type**	Water Source	Villages	Household	Wet Season	Dry Season			
				Existing	Rehabilit.	Existing	Rehabilit.	Existing	Rehabilit.	Existing	Rehabilit.				
25	Svayng	Tayo	SA 12	F	1975-79	1980-92	Tra. & Gra.	Reservoir	2	2	970	0	0	370	370
26		Rengchouk Reservoir	SA 13	F	1975-79	1980-92	Tra. & Gra.	Reservoir	4	4	1,170	0	0	420	420
27		Yeny Bo	SA 14	P	1975-79	1980-92	Tra. & Gra.	Reservoir	27	27	0	0	0	50	50
28		Yook Vesk Chon	SA 15	P	1975-79	1980-92	Tra. & Gra.	Reservoir	116	116	17,112	0	0	65	180
		sub total							20	20	420	0	0	5,045	5,490
29	Koh Thom	Maiench Krobaykon	KT1,11	P	1975-79	1980-92	Tra. & Gra.	Reservoir	20	30	527	0	0	844	4,000
30		Sras Bram Bay	KT2,11	P	1975-79	1980-92	Tra. & Gra.	Reservoir	27	29	365	0	0	1,389	2,286
31		Tuel Khnom	KT3,11	P	1975-79	1980-92	Tra. & Gra.	Reservoir	11	13	950	0	0	734	2,680
32		Chreay Thom	KT4,11	P	1975-79	1980-92	Tra. & Gra.	Reservoir	2	2	300	0	0	20	400
		sub total							60	74	1,940	2,284	0	0	2,987
33	Ang Siemrei	Beung Dan Pur	PP 1	F	1975-79		M.P. & Gra.	Reservoir	3	3	140	330	330	0	0
34		O Beung Ondeng	PP 2	P	1975-79		Gravity	Reservoir	6	6	100	180	50	125	0
35		Tak Phour Reservoir	PP 3	P	1975-79		Gravity	Reservoir	6	6	180	180	175	180	0
36		Kompong Train	PP 4	F	1975-79	1980-92	Gravity	Minor river	23	23	2,500	2,500	2,972	2,972	0
37		Lombach	PP 5	F	1980 and after	1980-92	Pump Sta.	Minor river	2	2	120	120	150	150	150
	sub total							40	40	3,040	3,120	3,677	3,757	150	150
38	Dongkor (Phnom Peuth Cuy)	Prateaslang	DK 1	P	1975-79	1980-92	Pump Sta.	Minor river	3	5	100	300	100	800	200
39		Krang Pong Ro	DK 2	P	1975-79	On-going	Pump Sta.	Minor river	5	7	300	500	200	500	0
	sub total							8	12	400	800	300	1,300	200	200
40	Ksach Kamjal	Chrey Kombot	KD 1	F	before 1953	1980-92	M.P. & Gra.	Reservoir	7	7	250	250	100	100	200
41		Beung Bebes	KD 2	P	1975-79	1980-92	M.P. & Gra.	Reservoir	2	2	50	70	36	50	0
42		Chueung Trung	KD 3	P	before 1953	1980-92	Gravity	Reservoir	2	2	335	335	0	0	45

Note : Status* : F : Full Operation, P : Partially Operation, NO : Not Operation
Type** : Tra. or T : Traditional Lifting, Gra. or G. : Gravity, Pump Sta. : Pumping Station, M.P. or M. : Mobile Pumping

Table D.1.3.3-(1) INVENTORY & ANALYSIS OF EXISTING IRRIGATION SYSTEMS
PROVINCE : Kandal

No.	District	System Name	System Number	Status*	Construction/Rehabilitation		Irrigation & Water Sources		Village		Household		Planting Area (ha)		Reliab.		
					Construction	Reliability	Type**	Water Source	Existing	Rehabil.	Existing	Rehabil.	Existing	Rehabil.		Existing	Rehabil.
43	Kandal	Bronol Khlin	KD 4	F	before 1953	1980-92	M.P. & Gra.	Reservoir	3	3	400	400	0	0	210	210	
44		Phlov Touk	KD 5	F	before 1953	1975-79 & 1980-92	M.P. & Gra.	Major river	2	2	230	230	0	0	150	150	
45		Prey Slat	KD 6	P	before 1953	1975-79 & 1980-92	M.P. & Gra.	Reservoir	2	2	230	230	0	0	300	400	
46		Khlong Norok	KD 7	P	before 1953	before 1953 & 1975-9	G. & T. & M	Stream	4	4	279	279	110	120	110	120	
47		Dumrei Srok	KD 8	F	before 1953	before 1953 & 1975-9	M.P. & Gra.	Reservoir	3	3	305	305	0	0	120	120	
48		Buang Kok	KD 9	P	before 1953	before 1953 & 1975-9	Tra. & M.P.	Reservoir	3	3	300	300	0	0	25	50	
49		Kror Ven	KD 10	F	before 1953	before 1953 & 1975-9	Tra. & M.P.	Reservoir	2	2	207	207	0	0	128	128	
50		Kandal O Dam	KD 11	F	before 1953	before 1953 & 1975-9	Tra. & M.P.	Reservoir	1	1	150	150	0	0	150	150	
51		Chhey Thom	KD 12	P	1975-79	before 1953 & 1975-9	Tra. & M.P.	Reservoir	25	25	6,035	6,035	3,850	5,000	0	2,000	
52		Koutpas	KD 13	F	1975-79	1975-79 & 1980-92	T. & M. & G.	Reservoir	2	2	235	235	0	0	205	205	
53		Khuong Kompot	KD 14	F	before 1953	before 1953 & 1975-9	T. & M. & G.	Reservoir	1	1	95	95	0	0	55	55	
54		Buang Kroschap	KD 15	F	before 1953	before 1953 & 1975-9	Tra. & M.P.	Reservoir	3	3	165	165	0	0	250	250	
55		Bak Chroul	KD 16	P	1975-79	1975-79 & 1980-92	Tra. & M.P.	Reservoir	4	4	462	462	0	0	300	400	
56		O Santann	KD 17	P	before 1953	1980-92	Tra. & M.P.	Reservoir	3	3	600	600	0	0	160	220	
57		Buang Phlea	KD 18	F	before 1953	1980-92	Gravity	Reservoir	3	3	400	400	0	0	210	210	
sub total								72	72	10,728	10,728	4,096	5,270	2,618	4,988		
58		Kam Svay	Boeng Thom	KSV 1	P	1975-79	1980-92	T. & M. & G.	Reservoir	28	28	7,425	7,425	700	700	2,300	3,450
59			Boeng Chhonn	KSV 2	P	1975-79		T. & M. & G.	Major river	4	4	2,665	2,665	0	0	380	760
60	Kveng Reservoir		KSV 3	P	1975-79		T. & M. & G.	Reservoir	4	4	1,678	1,678	0	0	310	510	
sub total								36	36	11,768	11,768	700	700	2,990	4,710		
61	Pothea Leu	Ta Mouk Reservoir	PL 1	P	1975-79		T. & M. & G.	Reservoir	51	51	5,082	5,082	0	0	1,952	2,000	
62		Por Kambour	PL 2	P	1980 and after		Gravity	Reservoir	9	9	650	650	0	0	218	253	
63		Por Nheapon	PL 3	F	1980 and after	1980-92	Pump Sta.	Reservoir	1	1	50	50	70	70	50	50	
64	Samrong	PL 4	F	1980 and after	1980-92	Pump Sta.	Stream	2	2	180	180	110	110	50	50		
sub total								63	63	5,962	5,962	180	180	2,270	2,353		
Total								519	541	61,085	62,286	11,572	14,214	18,198	32,451		

Note : Status* : F : Full Operation, P : Partially Operation, NO : Not Operation
Type** : Tra. or T : Traditional Lifting, Gra. or G. : Gravity, Pump Sta. : Pumping Station, M.P. or M. : Mobile Pumping
Data Source : Irrigation Rehabilitation Study in Cambodia, Halloway, 1994

Table D.1.3.1-(2) INVENTORY & ANALYSIS OF EXISTING IRRIGATION SYSTEMS
 PROVINCE : Kandal

No.	District	System Name	System Number	Yield (tha)				Problems		Problems and Comments		Remarks
				Wet Season		Dry Season		Existing	Rehabil.	Comments	Remarks	
				Existing	Rehabil.	Existing	Rehabil.					
1	Kandal Stung	System No.63	KST1,H	2.0	3.0	0.0	0.0	3.0	Embankment & canal damaged	Repair canal & embankment	Double cropping	
2		Canal No.60	KST2,H	2.0	3.0	0.0	0.0	3.0	Check structure needed	Build check structure	Double cropping	
3		Reca Station	KST3,H	2.0	2.5	2.0	2.0	2.5	Fuel needed		Double cropping,small scheme	
	sub total			2.0	2.8	2.0	2.8					
4	Lvea Em	Yothusbeng Kork	LE 1	0.0	0.0	2.0	2.0	2.0	Dam damaged & gate needed	Repair dam & intake gate	Recession cropping ,small scheme	
5		Yothsas Bokung	LE 2	0.0	0.0	2.0	2.0	3.0	Dam damaged & gate needed	Repair dam & intake gate	Recession cropping ,small scheme	
6		Toteng Tha Ay	LE 3	0.0	0.0	2.0	2.0	3.0	Dam damaged & gate needed	Repair dam & intake gate	Recession cropping ,small scheme	
7		Konlang Sdeay	LE 4	0.0	0.0	2.0	2.0	3.0	Dam damaged & gate needed	Repair dam & intake gate	Recession cropping ,small scheme	
8		Beng Andong	LE 5	0.0	0.0	0.0	0.0	3.0	Pipe & canal needed	Build dam,canal & intake	Recession cropping ,small scheme	
9		Komping Pony	LE 6	0.0	0.0	3.0	3.0	3.0	Dam damaged	repair dam and canal & build gate	Recession cropping ,small scheme	
	sub total			0.0	0.0	2.2	2.8					
10	Takhmau	Toul Krosing	TK1,H	1.5	2.0	0.0	0.0	3.0	Pumping station not operating	Repair pumping station	Double cropping,small scheme	
11	(PT)	Dem Leap	TK2,H	1.5	2.0	0.0	0.0	3.0	Pump needed	Build pumping station	Double cropping,small scheme	
	sub total			1.5	2.0	0.0	0.0	3.0				
12	Muk	Tasen	MP 1	0.0	0.0	3.0	3.0	3.5	Dam,gate & canal damaged	Repair dams,canals,gate & check structure	Recession cropping	
13	Kampoul	Ampou Deep	MP 2	0.0	0.0	3.0	3.0	3.0	Irrigation system damaged	Rehabilitate irrigation system	Recession crop. ,small scheme	
	sub total			0.0	0.0	3.0	3.3					
14	Saang	28 Kakada Reservoir	SA 1	0.0	0.0	4.5	4.5	4.5	Gate damaged	Repair gate & earthfill	Recession cropping ,small scheme	
15		Prek Rang	SA 2	0.0	0.0	4.5	4.5	4.5	Gate needed	Repair gate & earthfill	Recession cropping ,small scheme	
16		O Andoung Gate	SA 3	0.0	0.0	4.2	4.6	4.6	Reservoir damaged	Repair gate	Recession cropping	
17		Chomlong Prot	SA 4	0.0	0.0	4.2	4.2	4.2	Reservoir damaged	Build 2 new gates	Recession cropping ,small scheme	
18		Boeng Thnot	SA 5	0.0	0.0	2.8	3.2	3.2	Gate needed	Build 2 new gates	Recession cropping ,small scheme	
19		Tros Torteng	SA 6	0.0	0.0	2.7	3.5	3.5	Gate needed	Build 4 new gates	Recession cropping ,small scheme	
20		Trolday Bryc	SA 7	0.0	0.0	3.8	4.1	4.1	Reservoir damaged	Repair gate & earthfill	Recession cropping ,small scheme	
21		A Thnot	SA 8	0.0	0.0	3.8	4.2	4.2	Gate damaged	Repair gate	Recession cropping ,small scheme	
22		Peamso	SA 9	0.0	0.0	3.9	4.1	4.1	Dam damaged	Repair dam	Recession cropping ,small scheme	
23		Prek Sieng	SA 10	0.0	0.0	3.2	3.9	3.9	Gate needed	Repair gate	Recession cropping ,small scheme	
24		Takco	SA 11	0.0	0.0	3.4	4.1	4.1	Dam damaged	Repair dam	Recession cropping ,small scheme	

Table D.1.3.2-(2) INVENTORY & ANALYSIS OF EXISTING IRRIGATION SYSTEMS
PROVINCE : Kandal

No.	District	System Name	System Number	Yield (t/ha)				Problems and Comments		Remarks
				Wet Season		Dry Season		Problems	Comments	
				Existing	Rehabil.	Existing	Rehabil.			
25	Saang	Tayo	SA 12	0.0	0.0	3.2	3.9	Dam damaged	Repair dam	Recession cropping ,small scheme
26		Bongchouk Reservoir	SA 13	0.0	0.0	3.8	4.2	Gate damaged	Repair gate	Recession cropping ,small scheme
27		Yeay Bo	SA 14	0.0	0.0	3.0	4.0	Gate needed	Repair gate	Recession cropping ,small scheme
28		Yeak Yeak Chon	SA 15	0.0	0.0	3.0	4.0	Dam & canal damaged	Repair dam & canal	Recession cropping ,small scheme
	sub total			0.0	0.0	3.6	4.1			
29		Makleach Krobaykon	KT1,H	0.0	0.0	2.5	3.0	Irrigation system damaged, structure needed	Rehabilitate and extend irrigation syst. & intake struct.	Recession cropping
30	Koh Thom	Sras Bram Beay	KT2,H	0.0	0.0	2.5	3.0	Irrigation system damaged, structure needed	Rehabilitate irrigation system & intake struct.	Recession cropping
31		Tuol Khnom	KT3,H	0.0	0.0	2.5	3.0	Irrigation system damaged, structure needed	Rehabilitate and extend irrigation syst. & intake struct.	Recession cropping
32		Chreav Thom	KT4,H	0.0	0.0	3.0	3.0	Irrigation system damaged, structure needed	Rehabilitate and extend irrigation syst. & intake struct.	Recession cropping ,small scheme
	sub total			0.0	0.0	2.6	3.0			
33		Buong Dan Pur	PP 1	2.0	2.5	0.0	0.0	Structure damaged	Repair gate	Wet season only ,small scheme, poor soils catchment master plan required
34		O Beung Ondeng	PP 2	1.5	2.0	0.0	0.0	Structure capacity limited	Repair gate	Wet season only ,small scheme, potential wet season water constraint, catchment Wet season only ,small scheme, poor soils catchment master plan required
35	Ang Snourl	Tuk Phoor Reservoir	PP 3	2.0	2.3	0.0	0.0	Structure capacity limited for dry season	Repair structure	Wet season only, catchment master plan required
36		Kompong Trun	PP 4	2.0	2.5	0.0	0.0	Main Structure needed	Build check structure	Double crop, small scheme, potential, dry water constraint, catchment master plan required
37		Lomhach	PP 5	2.0	2.5	2.0	2.5	Fuel needed	Subside fuel cost	
	sub total			1.9	2.4	2.0	2.5			
38	Dongkor (Phnom Penh City)	Prataslang	DK 1	1.5	2.0	2.0	3.0	Canal system inadequate	Rehab. work complete on 1.5km of the main canal	Double cropping, potential dry season water constraint, catchment master plan required
39		Kraing Pong Ro	DK 2	1.5	2.0	0.0	0.0	Canal need extending		Wet season only, catchment master plan required
	sub total			1.5	2.0	2.0	3.0			
40		Chrey Kombot	KD 1	1.8	2.5	2.8	3.5	Structure damaged by flood	Build gates	Double cropping ,small scheme
41	Kbaach	Beung Bobos	KD 2	1.5	2.5	0.0	0.0	Structure damaged by flood	Repair dam	Wet season only ,small scheme
42	Kandal	Cheung Trung	KD 3	0.0	0.0	1.5	2.5	Structure damaged	Repair dam	Recession cropping ,small scheme

Table D.1.3.3-(2) INVENTORY & ANALYSIS OF EXISTING IRRIGATION SYSTEMS
PROVINCE : Kandal

11

No.	District	System Name	System Number	Yield (t/ha)				Problems and Comments		Remarks
				Wet Season		Dry Season		Problems	Comments	
				Existing	Rehabil.	Existing	Rehabil.			
43	Khsach	Bromol Khia	0.0	0.0	2.5	3.0	Dam damaged & insufficient water availability	Build irrigation system	Recession cropping ,small scheme	
44		Phlov Touk	0.0	0.0	2.5	3.0	Structure damaged	Build more structure	Recession cropping ,small scheme	
45		Prey Slat	0.0	0.0	2.5	3.0	Check Structure needed	Build check structure	Recession cropping ,small scheme	
46		Kihleng Norok	2.5	3.0	2.5	3.0	Dam needed	Build dam	Double cropping,small scheme	
47		Damrei Srok	0.0	0.0	2.0	2.5	Dam damaged	Repair dam	Recession cropping ,small scheme	
48		Beung Kok	0.0	0.0	2.5	3.0	Dam damaged	Repair dam	Recession cropping ,small scheme	
49		Kror Ven	0.0	0.0	2.7	3.5	Gate needed	Repair dam	Recession cropping ,small scheme	
50		O Dam	0.0	0.0	1.5	2.7	Gate needed	Repair dam	Recession cropping ,small scheme	
51		Chhey Thom	1.2	2.0	0.0	2.5	Structure damaged	Build pump station	Double cropping	
52		Kompas	0.0	0.0	1.7	2.5	Gates needed	Build more structure	Recession cropping ,small scheme	
53		Khung Kompot	0.0	0.0	1.5	2.5	Gates needed	Build more structure	Recession cropping ,small scheme	
54		Beung Krochhap	0.0	0.0	1.5	2.5	Structure damaged	Build more structure	Recession cropping ,small scheme	
55		Bak Chroul	0.0	0.0	1.5	2.5	Structure damaged	Build more structure	Recession cropping ,small scheme	
56		O Sandann	0.0	0.0	2.5	2.7	Structure damaged by flood	Build gates	Recession cropping ,small scheme	
57		Boeng Phica	0.0	0.0	2.5	3.0	Dam height low	Build more structure	Recession cropping ,small scheme	
sub total				1.8	2.5	2.1	2.8			
58		Kean Sway	Boeng Thom	2.0	2.5	3.5	4.5	Canal & farmers association needed	Rehabilitate irrigation system & build station	Double cropping
59			Boeng Chomno	0.0	0.0	3.0	3.5	Irrigation syst. damaged & farmers associ. need	Repair canal	Recession cropping
60	Kvenh Reservoir		0.0	0.0	2.5	3.0	Access duct to dam damaged	Repair reservoir,irrigat. syst. & pipe along access duct	Recession cropping	
sub total				2.0	2.5	3.0	3.7			
61	Ponhea Leu	Ta Mouk Reservoir	0.0	0.0	2.5	3.0	Dam & canal damaged	Repair dam,canal & intake gate	Recession cropping	
62		Por Kambaur	0.0	0.0	2.5	3.5	Dam damaged & gate needed	Repair gate	Recession cropping ,small scheme	
63		Por Nheapon	2.0	2.0	2.0	2.5	Fuel needed & pumping station damaged	Subside fuel cost	Double crop. small scheme. potential dry water constraint. catchment master plan required	
64		Samrong	2.0	2.0	2.0	2.5	Fuel and Irrigat. syst. needed & pump sta. dama	Subside fuel cost & Rehab. irrigation syst.	Double cropping ,small scheme. poor soils potential dry water constraint.	
sub total				2.0	2.0	2.3	2.9			
Total				1.8	2.3	2.5	3.1			

Table D.1.4 Summary of Existing Systems in Prey Veng

	Existing(ha)				Potential(ha)			
	<200	200-1000	>1000	Total	<200	200-1000	>1000	Total
Total Area(ha):				22952				50763
- Wet Season	1540	3660	500	5700	1485	6660	11150	19295
- Dry Season	4145	5545	7562	17252	2812	10346	18310	31468
Number of Systems	69	23	3	95	47	41	7	95
Date of Construction:								
-Before 1953	19	8	3	30	14	12	4	30
-1953-75	11	2	0	13	8	5	0	13
-1975-79	31	10	0	41	19	19	3	41
-1980 after	8	3	0	11	6	5	0	11
Status of Systems:								
-Full Operational	5	1	1	7	4	2	1	7
-Partially Operational	59	22	2	83	42	37	4	83
-Not Operational	5	0	0	5	1	2	2	5
Water Source:				95				95
-Reservoir	50	16	1	67	36	29	2	67
-Lake	6	0	1	7	3	2	2	7
-Major River	0	0	0	0	0	0	0	0
-Minor River	13	7	1	21	8	10	3	21
-Stream	0	0	0	0	0	0	0	0
Irrigation System	69	23	3	95	47	41	7	95
Gravity(G)	21	3	1	25	17	6	2	25
Traditional Lifting(T)	7	6	0	13	5	8	0	13
Mobile Pump (MP)	4	0	0	4	2	1	1	4
G & T	1	1	0	2	0	2	0	2
G & MP	12	3	1	6	7	8	1	16
T & MP	10	5	0	15	8	7	0	15
T.M & G	10	2	1	13	7	5	1	13
Pumping Station	4	3	0	6	1	4	2	7
Others	0	0	0	24	0	0	0	0
Cropping:								
-Wet Season only	14	4	2	20	10	8	1	19
-Dry Season only	34	11	0	45	24	19	3	46
-Wet & Dry Seasons	21	8	1	30	13	14	3	30
Yields:								
Wet Season:								
-<1.5 t/ha	23	10	1	34	10	14	2	26
-1.5-2.0 t/ha	5	1	0	6	10	5	2	17
->2.0 t/ha	2	1	0	3	3	3	0	6
Dry Season:								
-<2.0 t/ha	16	7	2	25	13	10	4	27
-2.0-3.0 t/ha	34	12	1	47	20	14	2	36
->3.0 t/ha	0	0	0	0	3	9	0	12

Table D.1.4.1-(1) INVENTORY & ANALYSIS OF EXISTING IRRIGATION SYSTEMS
PROVINCE : Prey Veng

No.	District	System Name	System Number	Status*	Construction/Rehabilitation		Irrigation & Water Sources		Village and Household		Planting Area (ha)					
					Construction	Rehabilitation	Type**	Water Source	Village		Household		Wet Season		Dry Season	
									Existing	Rehabil.	Existing	Rehabil.	Existing	Rehabil.	Existing	Rehabil.
1	Kampong Leav	Baraindet dam	PM 1	P	1975-79	1980-92	Gravity	Reservoir	8	8	630	770	0	0	500	700
2		Bengchakay dam	PM 2	P	1975-79	1980-92	Gravity	Reservoir	4	8	270	370	0	50	160	360
3		Avigantlengchrei dam	PM 3	P	1975-79	1980-92	Gravity	Reservoir	7	7	553	553	0	0	230	286
4		Krachoeplech dam	PM 4	P	1975-79	1980-92	Gravity	Reservoir	2	45	25	35	0	0	45	80
5		Trepeungkok dam	PM 5	P	1975-79	1980-92	Gravity	Reservoir	1	1	35	45	0	0	35	50
6		Boeng Tol reservoir	PM 6	P	1953-75	1980-92	Gravity	Reservoir	4	6	150	175	0	0	150	200
7		Sunaki dam	PM 7	P	1953-75	1980-92	Gravity	Reservoir	1	1	47	47	0	0	38	45
8		Boeng Traos dam	PM 8	P	1953-75	1980-92	Gravity	Reservoir	1	1	29	35	0	0	32	40
9		Krachpungcheung dam	PM 9	P	1953-75	1980-92	Gravity	Reservoir	2	2	25	25	0	0	42	42
10		Chhuk dam	PM 10	P	1953-75	1980-92	Gravity	Reservoir	1	1	35	35	0	35	0	0
11		Tri dam	PM 11	P	1953-75	1980-92	Gravity	Reservoir	1	1	35	40	0	0	35	45
12		Toumleang canal	PM 12	P	1975-79	1980-92	M.P. & Gravity	Lake	4	4	130	130	100	100	30	30
13		Prek Tatum canal	PM 13	P	Before 1953	1980-92	M.P. & Gra. & Tra.	Minor river	11	11	4,500	4,500	0	0	4,000	6,000
14		Prek Pralich	PM 14	P	Before 1953	1980-92	M.P. & Gra. & Tra.	Minor river	4	4	200	200	0	0	200	200
15		Prek Thnoug	PM 15	P	Before 1953	1980-92	M.P. & Gra. & Tra.	Minor river	3	3	200	200	0	0	140	140
16		Prek Kampong	PM 16	P	Before 1953	1980-92	M.P. & Gra. & Tra.	Minor river	2	2	80	80	0	0	80	80
17		Prek Chas	PM 17	P	Before 1953	1980-92	M.P. & Gra. & Tra.	Minor river	2	2	50	50	0	0	50	50
18		Prek Stung Takao	PM 18	P	Before 1953	1980-92	M.P. & Gra. & Tra.	Minor river	3	3	100	100	0	0	160	160
19		Prek Laev	PM 19	P	Before 1953	1980-92	M.P. & Gra. & Tra.	Minor river	5	5	250	250	0	0	300	300
	sub total							65	72	7,334	7,640	135	185	6,227	8,808	
20	Preaek Chhor	Boeng Kanhong dam	PC11 1	P	Before 1953	1980-92	Tra. & M.P.	Reservoir	2	2	180	300	0	0	150	280
21		Boeng Tuov dam	PC11 2	P	Before 1953	1980-92	Tra. & M.P.	Reservoir	2	2	260	370	0	0	175	320
22		Kochehek canal	PC11 3	P	1975-79	1980-92	Gra. & M.P.	Minor river	1	1	120	295	0	0	75	150
23		Boeng Dak reservoir	PC11 4	P	1975-79	1980-92	Tra. & M.P. & Gra.	Reservoir	3	3	258	458	0	0	100	480
24		Peingpong dam	PC11 5	P	1975-79	1980-92	M.P. & Gra.	Reservoir	2	2	100	325	0	0	85	220
25		Tahuy canal	PC11 6	P	1975-79	1980-92	Gra. & M.P.	Minor river	4	4	200	210	30	30	70	120
26		Boeng Thom reservoir	PC11 7	P	1975-79	1980-92	Gra. & M.P.	Reservoir	3	3	250	460	0	0	250	350
27		Prek Tmei canal	PC11 8	P	1980 and after	1980-92	Gra. & M.P.	Minor river	3	3	210	541	0	0	150	350
28		Prek Tmei canal	PC11 9	P	1980 and after	1980-92	Gra. & M.P.	Minor river	1	1	56	96	0	0	180	220
29		Touidong canal	PC11 10	P	1980 and after	1980-92	Gra. & M.P.	Minor river	1	1	50	65	0	0	220	280
	sub total							22	22	1,684	3,120	30	30	1,455	2,770	

Note : Status* : F : Full Operation, P : Partially Operation, NO : Not Operation
Type** : Tra or T. : Traditional Lifting, Gra. or G. : Gravity, Pump Sta. : Pumping Station, Mo Pu. or M.P. or M. : Mobile Pumping
Data Source : Irrigation Rehabilitation Study in Cambodia, Halerow, 1994

Table D.1.4.2-(1) INVENTORY & ANALYSIS OF EXISTING IRRIGATION SYSTEMS
PROVINCE : Prey Veng

No.	District	System Name	System Number	Status*	5		6		7				8			
					Construction/Rehabilitation		Irrigation & Water Sources		Village		Village and Household		Wet Season		Dry Season	
					Construction	Rehabilitation	Type**	Water Source	Existing	Rehabil.	Existing	Rehabil.	Existing	Rehabil.	Existing	Rehabil.
30		Lamlong dam	STHK 1	P	Before 1953	1980-92	Traditional Lifting	Reservoir	2	2	350	0	350	450		
31		Toueng Thngay dam	STHK 2	P	1975-79	1980-92	Traditional Lifting	Reservoir	2	2	450	170	80	130		
32	Sithor Kandal	Krachap dam	STHK 3	P	1975-79	1980-92	Traditional Lifting	Reservoir	1	1	150	50	150	250		
33		Boeng Krapien dam	STHK 4	P	1953-75	1980-92	Traditional Lifting	Reservoir	1	1	150	0	0	200		
34		Boeng Prey dam	STHK 5	P	Before 1953	1980-92	Traditional Lifting	Reservoir	2	2	560	30	30	250		
	sub total								8	8	1,660	250	350	1,280		
35	Kanh Chreuch	Kloeingray dam	KCI12	P	1975-79	1980-92	Traditional Lifting	Reservoir	4	4	250	200	200	0		
36		Trapeungthlan dam	KCI13	F	1975-79	1980-92	Traditional Lifting	Reservoir	4	4	200	300	300	0		
	sub total								8	8	450	500	500	0		
37		Purborei dam	PS 1,N	P	1975-79	1980-92 & on-go	Tra. & M.P. & Gra.	Reservoir	8	13	560	70	120	190		
38		Tamao dam	PS 2,N	P	1980 and after	1980-92	Tra. & M.P. & Gra.	Reservoir	3	3	200	20	30	50		
39		Naktachour dam	PS 3,N	P	1975-79	1980-92	Tra. & M.P.	Reservoir	2	2	100	50	100	0		
40		Touthoeng dam	PS 4,N	P	1980 and after	1980-92	Tra. & M.P. & Gra.	Reservoir	3	3	70	0	0	70		
41		Prek Bopsa canal	PS 5,N	NO	1975-79	1980-92 & on-go	Pumping Station	Minor river	4	17	550	500	3,000	500		
42		Station Purlas canal	PS 6,N	P	1975-79	1980-92 & on-go	Pumping Station	Minor river	2	2	70	50	120	0		
43	Prea Sateh	Toeu Chou dam	PS 7,N	P	1975-79	1980-92	Tra. & M.P.	Reservoir	3	3	100	80	160	40		
44		Kumnop dam	PS 8,N	P	1975-79	1980-92	Tra. & M.P. & Gra.	Reservoir	3	3	50	60	200	50		
45		Angchaures dam	PS 9,N	P	1975-79	1980-92 & on-go	Tra. & M.P. & Gra.	Reservoir	5	5	120	35	70	30		
46		Prek Sanday dam	PS 10,N	P	1975-79	1975-79 & 1980-92	Tra. & M.P.	Reservoir	2	2	50	40	80	0		
47		Kdampouk dam	PS 11,N	P	1975-79	1980-92	Tra. & M.P.	Reservoir	2	2	50	20	70	0		
48		Korko dam	PS 12,N	P	1975-79	1980-92	Tra. & M.P.	Reservoir	3	3	250	0	0	100		
49		Prek Chack dam	PS 13,N	P	Before 1953	1980-92	Tra. & M.P.	Reservoir	3	3	250	0	0	100		
50		Prek Kou dam	PS 14,N	P	Before 1953	1980-92	Tra. & M.P.	Reservoir	3	3	250	0	0	100		
51		Prek Veikandal dam	PS 15,N	P	Before 1953	1980-92	Tra. & M.P.	Reservoir	12	12	1,100	0	0	400		
	sub total								55	73	3,520	925	4,950	1,790		
52		Donnsaat station	PV 1	P	1975-79	1980-92	Pumping Station	Lake	3	3	290	100	200	200		
53	Kampong Leav	Deab dam	PV 2	P	1975-79	1980-92	Tra. & Gra.	Reservoir	3	3	470	100	100	200		
54		Oamporn dam	PV 3	P	1953-75	1975-79	Gravity	Reservoir	2	5	113	90	100	200		

Note : Status* : F : Full Operation, P : Partially Operation, NO : Not Operation
Type** : Tra or T. : Traditional Lifting, Gra. or G. : Gravity, Pump Sta. : Pumping Station, Mo Pu. or M.P. or M. : Mobile Pumping
Data Source : Irrigation Rehabilitation Study in Cambodia, Halcrow, 1994

Table D.1.4.3-(1) INVENTORY & ANALYSIS OF EXISTING IRRIGATION SYSTEMS
PROVINCE : Prey Veng

No.	District	System Name	System Number	Status*	Construction/Rehabilitation		Irrigation & Water Sources		Village and Household				Planting Area (ha)		Dry Season Relabil.	
					Construction	Rehabilitation	Type**	Water Source	Village		Household		Wet Season			Existing
									Existing	Rehabil.	Existing	Rehabil.	Existing	Rehabil.		
55	Kampong Leav	Tunglong dam	PV 4	P	1980 and after	1980-92	Gravity	Reservoir	2	2	160	160	30	50	0	0
56		Preylovey dam	PV 5	F	Before 1953	Before 1953	Gravity	Reservoir	4	4	279	279	20	20	30	30
57		Klupea dam	PV 6	P	1980 and after	1980-92	Traditional Lifting	Reservoir	2	2	150	150	20	20	0	0
	sub total								16	19	1,462	1,649	360	490	330	660
58	Kamchay Mear	Tameak dam	KCM 1	P	1975-79	1980-92	Gravity	Reservoir	5	7	500	500	800	800	0	0
	sub total								5	7	500	500	800	800	0	0
59	Preareung	Boeng Vein dam	PR 1	P	Before 1953	1980-92	Traditional Lifting	Reservoir	2	2	460	525	200	200	50	100
60		Ploy Kdam dam	PR 2	P	Before 1953	1980-92	Tra. & M.P	Reservoir	3	3	380	400	110	110	200	270
61		Boeng The dam	PR 3	P	1980 and after	1980-92	M.P & Gravity	Reservoir	3	3	400	420	150	150	380	390
62		Orkchapprich dam	PR 4	P	Before 1953	1980-92	Traditional Lifting	Reservoir	3	3	350	370	200	280	0	0
63		Chnoktrou dam	PR 5	P	Before 1953	1980-92	M.P & Gravity	Reservoir	7	7	2,120	3,005	500	500	1,062	1,160
64		Romlech dam	PR 6	P	Before 1953	1980-92	Tra. & Gravity	Reservoir	3	3	250	300	180	200	0	0
65		Leach dam	PR 7	P	Before 1953	1980-92	Traditional Lifting	Reservoir	2	2	200	240	0	0	100	160
66		Sruy Pul station	PR 8	P	1975-79	1980-92	Tra. & Pump Sta.	Minor river	9	11	1,052	1,300	700	700	700	950
67		Boeng Veng dam	PR 9	P	Before 1953	1975-79	Tra. & M.P	Reservoir	3	3	480	600	100	100	200	300
68		Boeimeas dam	PR 10	P	Before 1953	1980-92	Traditional Lifting	Reservoir	1	1	180	200	0	0	133	150
69		Okabor dam	PR 11	P	Before 1953	1980-92	Gravity	Reservoir	1	1	100	136	0	0	83	90
70		Oleas dam	PR 12	P	Before 1953	1980-92	Traditional Lifting	Reservoir	1	1	180	203	0	0	53	66
71		Krauey Sa-uy dam	PR 13	P	1980 and after	1980-92	Gravity	Reservoir	1	1	190	190	40	40	40	40
72		Kra Nhoen dam	PR 14	P	Before 1953	1980-92	Mobile Pumping	Lake	2	2	37	40	10	10	12	14
	sub total							41	43	6,379	7,939	2,190	2,540	3,013	3,690	
73	Peam Ro	Baithom dam	PRO 1	P	1953-75	1980-92	Tra. & M.P	Reservoir	4	4	608	608	0	0	365	410
74		Mokvatoikdom dam	PRO 2	P	1975-79	1980-92	Tra. & M.P	Reservoir	2	2	38	83	0	0	22	23
75		Chak Khleam dam	PRO 3	P	Before 1953	On-going	M.P & Gravity	Reservoir	3	3	30	350	0	30	15	120
76		Babong canal	PRO 4	F	1975-79	On-going	M.P & Gravity	Lake	4	4	300	300	70	70	130	230
77		Prechek canal	PRO 5	F	Before 1953	On-going	Gravity	Lake	7	7	1,200	1,200	0	0	2,500	2,500
78		Baithoh	PRO 6	P	1953-75	1980-92	Tra. & M.P	Minor river	2	2	420	420	0	0	300	350
79		Prek Kandleung canal	PRO 7	P	1975-79	1980-92	M.P & Gravity	Lake	6	6	500	500	30	30	0	0
80		PreyKdei dam	PRO 8	P	1953-75	1980-92	M.P & Gravity	Reservoir	6	6	500	500	30	30	0	0
81		O Kalsap dam	PRO 9	P	1953-75	1980-92	M.P & Gravity	Reservoir	2	2	50	50	0	0	50	50
	sub total							36	36	3,646	4,011	130	160	3,382	3,683	

Note : Status* : F : Full Operation, P : Partially Operation, NO : Not Operation
Type** : Tra or T. : Traditional Lifting, Gra. or G. : Gravity, Pump Sta. : Pumping Station, Mo Pu. or M.P or M. : Mobile Pumping
Data Source : Irrigation Rehabilitation Study in Cambodia, Hilerow, 1994

Table D.1.4.1-(2) INVENTORY & ANALYSIS OF EXISTING IRRIGATION SYSTEMS
 PROVINCE : Prey Veng

No.	District	System Name	System Number	Yield (t/ha)		Problems and Comments		Remarks
				Wet Season		Problems	Comments	
				Existing	Rehabilit.			
1		Darandot dam	PM 1	0.0	2.5	3.0	Dam overtops, improper irrigation system	Recession cropping
2		Dengchakay dam	PM 2	0.0	1.5	2.0	Dam low, improper irrigation system	Double cropping, small scheme
3		Angkanlengchrei dam	PM 3	0.0	3.0	3.5	Reservoir embankment low, no canal system.	Recession cropping, small scheme
4		Kriehoeplech dam	PM 4	0.0	2.0	2.5	Reservoir embankment low, no canal system.	Recession cropping, small scheme
5		Trapeangkok dam	PM 5	0.0	2.0	2.5	Low reservoir embankment	Recession cropping, small scheme
6		Boeng Tol reservoir	PM 6	0.0	2.0	2.5		Recession cropping, small scheme
7		Samaki dam	PM 7	0.0	3.0	3.4	Dam low, no gate	Recession cropping, small scheme
8		Boeng Traos dam	PM 8	0.0	2.0	2.5	Reservoir embankment low, no canal system.	Recession cropping, small scheme
9		Krachangkangcheung dam	PM 9	0.0	2.0	2.3	Reservoir embankment low, no canal system.	Recession cropping, small scheme
10	Kampong Leav	Chhuk dam	PM 10	1.3	1.6	0.0	Embankment low	Wet season only, small scheme
11		Tri dam	PM 11	0.0	0.0	2.5	Dam low, no gate	Recession cropping, small scheme
12		Toumleng canal	PM 12	1.2	1.5	1.7	Canal silted	Recession cropping
13		Prek Tatam canal	PM 13	0.0	0.0	3.0	Prek low, canal silted	Recession cropping, small scheme
14		Prek Praloch	PM 14	0.0	2.5	3.0	Prek low, canal silted	Recession cropping, small scheme
15		Prek Thnong	PM 15	0.0	2.5	3.0	Canal silted	Recession cropping, small scheme
16		Prek Kampong	PM 16	0.0	0.0	2.5	Canal silted	Recession cropping, small scheme
17		Prek Chas	PM 17	0.0	2.5	3.0	Canal silted	Recession cropping, small scheme
18		Prek Stung Takao	PM 18	0.0	0.0	2.5	Canal silted	Recession cropping, small scheme
19		Prek Lavv	PM 19	0.0	2.5	3.0	Canal silted	Recession cropping, small scheme
	sub total			1.3	1.5	2.3	2.8	
20		Boeng Kathoung dam	PCH 1	0.0	0.0	3.0	Dike damaged every year	Recession cropping, small scheme
21		Boeng Taov dam	PCH 2	0.0	0.0	3.0	Dike damaged every year	Recession cropping, small scheme
22		Kochechek canal	PCH 3	0.0	0.0	3.0	Canal rehabilitation required	Recession cropping, small scheme
23		Boeng Dak reservoir	PCH 4	0.0	0.0	3.0	Rehabilitation of reservoir required	Recession cropping, small scheme
24	Peam Chor	Peingpong dam	PCH 5	0.0	0.0	2.0	Dike damaged every year	Double cropping, small scheme
25		Tahuy canal	PCH 6	1.0	2.0	3.0	Canal damaged every year	Double cropping, small scheme
26		Boeng Thom reservoir	PCH 7	0.0	0.0	3.0	Reservoir damaged every year	Recession cropping, small scheme
27		Prekvy canal	PCH 8	0.0	0.0	3.0	Canal silted every year	Recession cropping, small scheme
28		Prek Tmei canal	PCH 9	0.0	0.0	3.0	Canal rehabilitation required	Recession cropping, small scheme
29		Touldong canal	PCH 10	0.0	0.0	3.0	Canal rehabilitation required	Recession cropping, small scheme
	sub total			1.0	2.0	2.9	4.9	

Table D.1.4.2-(2) INVENTORY & ANALYSIS OF EXISTING IRRIGATION SYSTEMS
PROVINCE : Prey Veng

No.	District	System Name	System Number	Yield (tha)		Problems and Comments		Remarks	
				Wet Season Existing	Dry Season Existing	Problems	Comments		
30	Sithor Kandal	Lanlong dam	STHK 1	0.0	3.0	3.0	Dam damaged by flood	Repair spillway & install 3 outlet structures	Recession cropping, small scheme
31		Totoeng Thingay dam	STHK 2	2.0	3.0	3.0	Dam damaged by flood	Repair dam & construct 3 outlets	Double cropping, small scheme
32		Krachap dam	STHK 3	2.0	2.5	2.5	2.7 Outlets required	Construct outlet structures	Double cropping, small scheme
33		Boeng Krapeu dam	STHK 4	0.0	2.0	2.0	2.5 Outlets required	Construct outlet structures	Recession cropping, small scheme
34		Boeng Prey dam	STHK 5	2.0	2.0	2.7	2.7 Outlets required	Construct 7 outlet structures	Double cropping, small scheme
	sub total			2.0	2.3	2.5	2.8		
35	Kamb Chreath	Kdocungreay dam	KCH 2	1.0	1.2	0.0	Dam heavily damaged	Design & repair dam	Wet season only, small scheme
36		Trapsanghian dam	KCH 3	1.0	1.2	0.0	Dam heavily damaged	Design & repair dam	Wet season only, small scheme
	sub total			1.0	1.2	0.0			
37	Prea Sech	Purborei dam	PS 1,N	1.0	1.2	1.5	1.7 Regulat. structure construction incomplete	Construct gate & repair dam	Double cropping, small scheme
38		Tamao dam	PS 2,N	1.0	1.2	1.5	1.7 Outlet structure required	Construct outlet structures	Double cropping, small scheme
39		Naktachour dam	PS 3,N	0.8	1.0	0.0	0.0 Dam & regulat. structure construction incomplete	Construct dam & spillway	Wet season only, small scheme
40		Touithoeg dam	PS 4,N	1.5	1.7	0.0	0.0		Recession cropping, small scheme
41		Prek Bopou canal	PS 5,N	0.0	1.0	0.0	0.0 No pumping station, canal rehabilitation required	Village data not known	Wet season only
42		Station Purtaos canal	PS 6,N	0.8	1.0	0.5	0.7 Canal incomplete, shortage of pump fuel	Complete canal construct. & maint. pump station	Double cropping
43		Toeu Chou dam	PS 7,N	1.0	1.2	0.0	0.0 No dam & spillway	Construct dam & spillway	Wet season only, small scheme
44		Koimop dam	PS 8,N	1.2	1.5	0.8	1.0 Dam damaged, no gate	Repair dam & install gate	Double cropping, small scheme
45		Angchamres dam	PS 9,N	1.2	1.5	0.8	1.0 Dam construction incomplete, no gate	Complete dam construction & install gate	Double cropping, small scheme
46		Prek Sunday dam	PS 10,N	1.0	1.2	0.8	1.0 Dam damaged, no gate	Repair dam & install gate	Poten. water constraint both season
47	Kdampouk dam	PS 11,N	1.0	1.2	0.0	0.0 Dam construction incomplete, no gate	Complete dam construction & install gate	Double cropping, small scheme	
48	Korko dam	PS 12,N	1.0	1.2	0.0	0.0 Dam construction incomplete, no gate	Complete dam construction & install gate	Wet season only, small scheme	
49	Prek Chack dam	PS 13,N	0.0	0.0	2.0	2.5 Canal silted, insufficient flow	Rehabilitation of canals	Recession cropping, small scheme	
50	Prek Koul dam	PS 14,N	0.0	0.0	2.0	2.5 Canal silted, insufficient flow	Rehabilitation of canals	Recession cropping, small scheme	
51	Prek Veikandal dam	PS 15,N	0.0	0.0	2.0	2.5 Canal silted, insufficient flow	Rehabilitation of canals	Recession cropping, small scheme	
	sub total			1.0	1.2	1.3	1.6		
52	Kampong Leav	Donnsat station	PV 1	1.0	1.2	0.6	1.0 Damaged irrigation system & pump broken	New pump station required	Double cropping, small scheme
53		Dcab dam	PV 2	0.8	1.0	1.2	1.5 No canal system		Double cropping, small scheme
54		Quampom dam	PV 3	1.0	1.2	0.0	1.5 Dam & canals damaged		Double cropping, small scheme

Table D.1.4.3-(2) INVENTORY & ANALYSIS OF EXISTING IRRIGATION SYSTEMS
 PROVINCE : Prey Veng

No.	District	System Name	System Number	Yield (t/ha)		Problems and Comments		Remarks	
				System		Problems	Comments		
				Wet Season Existing	Dry Season Existing				
55	Kampong Leav	Tunglong dam	PV 4	1.0	1.2	0.0	0.0	Minor rehabilitation works only	Wet season only, small scheme
56		Preyloveny dam	PV 5	1.0	1.2	1.0	1.2	Reservoir capacity low	Double cropping, small scheme
57		Klapea dam	PV 6	1.0	1.2	0.0	1.2	No canal system	Double cropping, small scheme potential dry season water constraint
	sub total			1.0	1.2	0.9	1.3		
58		Tameak dam	KCM 1	1.0	1.5	0.0	0.0	Repair dam and reha. irrigation system	Wet season only
	sub total			1.0	1.5	0.0	0.0		
59	Preureang	Boeng Vein dam	PR 1	1.0	1.1	0.8	0.9	No outlet structure	Double cropping, small scheme
60		Plav Kdam dam	PR 2	1.0	1.1	1.0	1.1	People ready to repair, no funds	Double cropping, small scheme
61		Boeng The dam	PR 3	1.0	1.1	1.0	1.1	People ready to repair, no funds	Double cropping, small scheme
62		Orkraehaprich dam	PR 4	1.0	1.1	0.0	0.0	Dam damaged heavily	Wet season only, small scheme
63		Chnoktrou dam	PR 5	1.0	1.1	1.0	1.1	Gate damaged	Double cropping
64		Komtech dam	PR 6	1.0	1.1	0.0	0.0	Dam damaged heavily	Wet season only, small scheme
65		Leach dam	PR 7	0.0	0.0	1.5	1.7	Dam damaged heavily	Recession cropping, small scheme
66		Snai Pul station	PR 8	1.0	1.1	1.0	1.1	Pump shared with other system	Double cropping
67		Boeng Veng dam	PR 9	1.0	1.1	1.0	1.1	Dam damaged by flood	Double cropping, small scheme
68		Boetmeas dam	PR 10	0.0	0.0	1.3	1.5	Dam damaged by flood	Recession cropping, small scheme
69		Okabker dam	PR 11	0.0	0.0	1.0	1.3	Dam damaged by flood	Recession cropping, small scheme
70		Oleus dam	PR 12	0.0	0.0	1.7	1.7	Dam damaged by flood	Recession cropping, small scheme
71		Krabey Sa-uy dam	PR 13	1.0	1.1	0.9	1.0	Dam damaged by flood	Double cropping, small scheme
72		Kra Nhoyn dam	PR 14	1.0	1.3	1.1	1.3	Dam damaged	Double cropping, small scheme
	sub total			1.0	1.1	1.1	1.2		
73	Peam Ro	Barithom dam	PRO 1	0.0	0.0	2.0	3.0	Dam & gate damaged	Recession cropping, small scheme
74		Mokvatoukdam dam	PRO 2	0.0	0.0	2.0	3.0	No gate	Recession cropping, small scheme
75		Chak Khlann dam	PRO 3	0.0	1.5	2.0	3.0	Irrigation system incomplete	Double cropping, small scheme
76		Babong canal	PRO 4	1.2	1.5	2.0	2.0		Double cropping, small scheme
77		Prekehik canal	PRO 5	0.0	0.0	1.0	1.5	Channel silted	Recession cropping
78		Baitoeh	PRO 6	0.0	0.0	2.0	3.0	Channel silted	Recession cropping, small scheme
79		Prek Kandung canal	PRO 7	1.2	1.5	0.0	0.0	Rebuild canal	Wet season only, small scheme
80		Preykdei dam	PRO 8	1.2	1.5	0.0	0.0	Raise reservoir embankment	Wet season only, small scheme
81		O Robup dam	PRO 9	0.0	0.0	2.0	3.0	Channel silted	-do- Recession cropping, small scheme
	sub total			1.2	1.5	1.9	2.6		

Table D.1.4.4-(2) INVENTORY & ANALYSIS OF EXISTING IRRIGATION SYSTEMS
 PROVINCE : Prey Veng

No.	District	System Name	System Number	Yield (tha)		Problems		Comments	Remarks
				Wet Season Existing	Dry Season Existing	Existing	Rehabilit.		
82	Ba Phnom	Khsachar station	BPI11	0.0	2.0	0.0	1.5	Install pumps & repair canal	Double cropping
83		Peng Pous reservoir	BPI12	1.5	2.0	3.0	3.0	Raise reservoir & provide canal system	Double cropping, small scheme
84		Sne canal	BPI13	0.0	0.0	1.5	2.0	Rehabilitate main canal & build secondary canal	Recession cropping
85		O Anth Chanh dam	BPI14	0.0	0.0	2.5	3.0	insufficient water source	Recession cropping, small scheme
86		Oangkroing dam	BPI15	0.0	0.0	2.5	3.0	Irrigation system needs improvement	Recession cropping, small scheme
87		Boeng Leu reservoir	BPI16	0.0	2.0	3.0	3.0	Irrigation system damaged	Recession cropping, small scheme
88		Boeng Roka dam	BPI17	2.0	2.0	0.0	0.0	Irrigation system damaged	Wet season only, small scheme
89		Prey Kdouch dam	BPI18	0.0	0.0	0.0	3.0	Spillway damaged	Recession cropping, small scheme
90		Ang Krous dam	BPI19	0.0	0.0	3.0	3.0	Dam to be repaired	Recession cropping, small scheme
	sub total			1.8	2.0	2.6	2.7		
91	Kampong Travek	Anlong Reach	KTB 1	3.0	4.0	0.8	0.8	Rehabilitate canal	Double cropping, small scheme
92		Phumprekta	KTB 2	3.0	4.5	0.0	0.0	Install new pump & repair canal	Wet season only, small scheme
93		Ankor Ang	KTB 3	4.0	4.0	0.0	0.0	Mobile pumps provided by farmers. Double wet season crop	Wet season only, small scheme
94		Oukambok	KTB 4	0.0	3.0	0.0	0.0	Canal needs cleaning	Wet season only
95		Kompong Svay Khang	KTB 5	0.0	1.5	0.0	0.0	Canal needs cleaning	Wet season only
	sub total			3.3	3.4	0.8	0.8		
	Total			1.4	1.7	1.8	2.2		

Table D.1.5 Summary of Existing Systems in Takeo

	Existing(ha)				Potential(ha)			
	<200	200-1000	>1000	Total	<200	200-1000	>1000	Total
Total Area(ha):				35555				42925
- Wet Season	20	415	435	2985	30	550	2900	3480
- Dry Season	670	9600	23300	32570	805	11880	26760	39445
Number of Systems	5	22	8	35	5	20	10	35
Date of Construction:				35				35
-Before 1953	1	4	4	9	1	4	4	9
-1953-75	0	4	0	4	0	4	0	4
-1975-79	4	12	3	19	4	11	4	19
-1980 after	0	2	1	3	0	1	2	3
Status of Systems:								
-Full Operational	0	3	1	4	0	3	1	4
-Partially Operational	5	19	7	31	5	17	9	31
_Not Operational	0	0	0	0	0	0	0	0
Water Surce:				35				35
-Reservoir	5	21	4	30	5	20	5	30
-Lake	0	0	1	1	0	0	1	1
-Major River	0	0	0	0	0	0	0	0
-Minor River	0	1	3	4	0	0	4	4
-Stream	0	0	0	0	0	0	0	0
Irrigation System	5	24	11	35	5	20	10	35
Gravity (G)	4	17	3	24	4	16	4	24
Traditional Lifting (T)	0	1	0	1	0	0	0	0
Mobile Pump (MP)	0	1	2	3	0	0	2	2
G & T	0	0	0	0	0	1	0	1
G & MP	0	1	1	2	0	0	0	0
T & MP	0	0	0	0	0	1	1	2
T.M & G	0	0	0	0	0	0	0	0
Pumping Station	1	2	2	5	1	2	3	6
Others	0	0	0	0	0	0	0	0
Cropping:								
-Wet Season only	0	0	0	0	0	0	0	0
-Dry Season only	3	18	4	25	3	16	6	25
-Wet & Dry Seasons	2	4	4	10	2	4	4	10
Yields:								
Wet Season:								
-<1.5 ha	2	3	3	8	2	1	3	6
-1.5-2.0 t/ha	0	1	1	2	0	3	1	4
->2.0 t/ha	0	0	0	0	0	0	0	0
Dry Season:								
-<2.0 ha	0	4	2	6	0	4	0	4
-2.0-3.0 t/ha	5	17	6	28	5	16	10	31
->3.0 t/ha	0	0	0	0	0	0	0	0

Table D.1.5.1-(1) INVENTORY & ANALYSIS OF EXISTING IRRIGATION SYSTEMS
PROVINCE : Takéo

No.	District	System Name (*Res.:Reservoir)	System Number	Status*	5		6		7				8		
					Construction/Rehabilitation		Irrigation & Water Sources		Village		Household		Planting Area (ha)		
					Construction	Rehabilitation	Type**	Water Source	Existing	Rehabil.	Existing	Rehabil.	Wet Season	Dry Season	
1	Takéo(PT)	Canal 15	TK 1	P	1980 and after	1980-92	Mobile Pump	Miner Reservoir	57	60	8571	8600	0	0	6200
2		Dang Kgnorn Reservoir	TK 2	P	Before 1953	1980-92	Gravity	Reservoir	6	6	1000	1050	0	0	700
3		Takéo Reservoir	TK 3	P	Before 1953	1975-79	Mo. Pu. & G.	Reservoir	4	5	714	730	50	100	500
4		Chhroy Somrono Res.	TK 4	P	1953-75	1975-79	G.	Reservoir	2	2	428	450	20	30	320
	sub total								69	73	10713	10830	70	130	7520
5	Koh Andet	Thnot Konchhrung	KA 1	P	1975-79	1980 92	Pu.Sta. & G.	Reservoir	16	16	2428	2500	0	0	1700
6		Ang Kok reservoir	KA 2	P	1975-79	-	Gravity	Reservoir	9	10	1428	1500	0	0	800
7		Tummup reservoir	KA 3	P	1975-79	-	Gravity	Reservoir	2	3	285	320	0	0	200
8		Canal 92	KA 4	P	1975-79	1980-92	Gravity	Reservoir	4	5	240	250	0	0	200
9		Tummup Prey Bay Reservoir	KA 5	P	1975-79	-	Pu.Sta. & G.	Reservoir	1	1	150	160	20	30	100
10		Tummup Pich Sar Reservoir	KA 6	P	1975-79	-	Gravity	Reservoir	1	1	150	160	0	0	120
	sub total								33	36	4681	4890	20	30	3120
11		Thnot Te reservoir	SR 1	P	1975-79	1980-92	Gravity	Reservoir	28	30	4200	4500	300	500	3700
12		Angkok reservoir	SR 2	P	1975-79	-	Gravity	Reservoir	5	3	460	600	70	100	400
13	Samrong	Ang Chang Et Reservoir	SR 3	P	1953-75	1980-92	Gravity	Reservoir	4	6	550	650	50	70	500
14		Ang Chang Et Reservoir	SR 4	P	Before 1953	1980-92	Gravity	Reservoir	6	6	550	650	50	70	500
15		Chouk Sar	SR 5	P	1953-75	1980-92	Gravity	Reservoir	6	6	450	500	0	0	400
16		Sen Pe Ream Reservoir	SR 6	P	1953-75	1975-79	Gravity	Reservoir	9	13	550	50	0	0	500
17		Prey Mean Reservoir	SR 8	P	1975-79	1980-92	Trad. and Gra.	Reservoir	2	2	240	250	225	250	0
18		Thorn Viney	SR 9	P	Before 1953	1975-79	Pu.Sta. & G.	Reservoir	7	8	1142	1150	0	0	500
	sub total								67	74	8142	8350	645	920	6400
19		Toull Rolok Reservoir	PK 1	P	Before 1953	1975-79	Gravity	Reservoir	12	15	1758	1800	250	300	1250
20	Prey Kabass	O Chom Norm Res.	PK 2	P	Before 1953	1975-79	Gravity	Reservoir	2	3	175	180	0	0	150
21		Kompong Chak Res.	PK 3	P	1975-79	-	Pum. station	Reservoir	6	7	700	750	0	0	600
	sub total								20	25	2633	2730	250	300	2000

Note : Status* : F: Full Operation, P: Partially Operation, NO : Not Operation

Type** : Tra. or T : Traditional Lifting, Gra. or G.: Gravity, Pump Sta. : Pumping Station, Mo.Pu. or M.P or M : Mobile Pumping

Data Source : Irrigation Rehabilitation Study in Cambodia, Halcrow, 1994

Table D.1.5.2-(1) INVENTORY & ANALYSIS OF EXISTING IRRIGATION SYSTEMS
PROVINCE : Takéo

No.	District	System Name (*Res.:Reservoir)	System Number	Status*	5		6		7			8				
					Construction/Rehabilitation		Irrigation & Water Sources		Village and Household		Planting Area (ha)					
					Construction	Rehabilitation	Type**	Water Source	Village	Household	Wet Season	Dry Season				
						Existing	Rehabilit.	Existing	Rehabilit.	Existing	Rehabilit.	Existing	Rehabilit.			
22	Angkor Borey	Canal 83	AB 1	P	1980 & after	1980-92	Mobile pump	Minor river	9	10	1428	1500	0	0	1000	1200
23		Komnop Reservoir	AB 2	F	1975-79	-	Gravity	Reservoir	4	5	714	750	0	0	500	500
24		Prek Chraich Reservoir	AB 3	F	1980-92	.	Gravity	Reservoir	2	2	357	380	0	0	280	300
	sub total								15	17	2499	2630	0	0	1780	2000
25	Bati	Tunle Bati	BT 1	P	Before 1953	1980-92	Pumping	Lake	27	35	1700	1950	1700	1750	150	200
26		Kompong Damrei Res.	BT 2	F	Before 1953	1980-92	Gravity	Reservoir	22	31	1450	1600	300	350	1500	1600
27		Kompon Dan Ko Check	BT 3	P	1975-79	1980-92	Gravity	Reservoir	15	16	550	600	0	0	500	550
28		Svay Khom Reservoir	BT 4	F	1975-79	1980-92	Gravity	Reservoir	13	15	400	420	0	0	350	1000
29		Krain Krochang	BT 5	P	1975-79	1980-92	Gravity	Reservoir	8	9	300	330	0	0	350	1000
	sub total							85	106	4400	4900	2000	2100	2850	4350	
30	Treang	Deam Ro	T 1	P	1975-79	1980-92	Gravity	Reservoir	15	16	600	620	0	0	400	450
31		Prey Mean Reservoir	T 2	P	1975-79	1980-92	Gravity	Reservoir	2	3	180	200	0	0	150	180
32		Sung Takéo	T 4	P	Before 1953	-	Pu.Sta. & Gra.	Minor river	42	45	6428	6500	0	0	4000	4500
	sub total							59	64	7208	7320	0	0	4550	5130	
33	Borey chulasar	Canal 03	BCH 1	P	1975-79	.	Mo. Pu. & G.	Minor river	38	40	4700	4800	0	0	4000	4500
34		Samaki reservoir	BCH 2	P	1975-79	1980-92	Gravity	Reservoir	6	7	300	320	0	0	200	1500
35		Chamlon Chker Reservoir	BCH 3	P	1975-79	-	Gravity	Reservoir	2	2	214	250	0	0	150	160
	sub total							46	49	5214	5370	0	0	4350	6160	
	Total							394	444	45490	47020	2985	3480	32570	39445	

Note : Status* : F: Full Operation, P: Partially Operation, NO : Not Operation
Type** : Tra. or T : Traditional Lifting, Gra. or G: Gravity, Pump Sta. : Pumping Station, Mo.Pu. or M.P or M : Mobile Pumping
Data Source : Irrigation Rehabilitation Study in Cambodia, Halcrow, 1994

Table D.1.5.1- (2) INVENTORY & ANALYSIS OF EXISTING IRRIGATION SYSTEMS
PROVINCE : Takeo

No.	District	System Name (*Res./Reservoir)	System Number	Yield (t/ha)		Problems and Comments		Remarks
				Wet Season Exist.	Dry Season Exist. Rehabil.	Problems	Comments	
1	Takeo(PT)	Canal 15	TK 1	0.0	2.5	3.0	Canals silted, secondary needed	Recession cropping
2		Dang Kghorn Reservoir	TK 2	0.0	2.5	2.5	Dike damaged, maintenance needed	Recession cropping
3		Takeo Reservoir	TK 3	1.5	2.0	2.5	Dike damaged, maintenance needed	Double cropping
4		Chhroy Sornro Res.	TK 4	2.0	2.0	2.5	Dike damaged, maintenance needed	Double cropping
	sub total			1.8	2.0	2.5		
5	Koh Andet	Thnot Konchhrung	KA 1	0.0	2.5	2.5	Check structure damaged	Recession cropping
6		Ang Kok reservoir	KA 2	0.0	2.0	2.5	Dike damaged & outlet structure maintenance needed	Recession cropping
7		Tummup reservoir	KA 3	0.0	2.0	2.5	Dike damaged & outlet structure, spillway maint. needed	Recession cropping
8		Canal 92	KA 4	0.0	2.5	3.0	Reservoir breached, canal silted.	Recession cropping
9		Tummup Prey Bay Reservoir	KA 5	1.0	1.2	2.0	Dike damaged & outlet structure maintenance needed	Double cropping
10		Tummup Pich Sar Reservoir	KA 6	0.0	2.0	2.5	Dike damaged & outlet structure maintenance needed	Recession cropping
	sub total			1.0	1.2	2.2		
11		Thnot Te reservoir	SR 1	1.2	1.5	2.0	Canal, outlet struct. maint. needed, spillway damaged	Double cropping
12		Angkok reservoir	SR 2	0.0	2.0	2.0	Dike, outlet struct. damaged	Recession cropping
13	Samrong	Ang Chang Et Reservoir	SR 3	1.2	1.5	2.0	Dike, outlet structs. damaged, maintenance need	Double cropping
14		Ang Chang Et Reservoir	SR 4	1.0	1.3	2.0	Dike, outlet structs. damaged, maintenance need	Double cropping
15		Chouk Sar	SR 5	0.0	0.0	2.0	Dike-spillway damaged, maintenance needed	Recession cropping
16		Sen Pe Rann Reservoir	SR 6	0.0	0.0	2.0	Dike, outlet structs. damaged, maintenance need	Recession cropping
17		Prey Mcan Reservoir	SR 8	1.0	2.0	0.0	Dike, outlet structs. damaged, maintenance need	Wet only, poor soils
		Throm Vinoy	SR 9	0.0	0.0	1.2	Dike, outlet structs. damaged, maintenance need	Recession cropping
	sub total			1.1	1.6	2.2		
18		Tourol Relok Reservoir	PK 1	1.0	1.2	1.5	Dike, outlet structures. damaged	Double cropping
19	Prey Kubass	O Chom Norm Res.	PK 2	0.0	0.0	2.0	Dike, outlet structures. damaged	Double cropping
20		Kompong Chak Res.	PK 3	0.0	0.0	1.2	Canals, pump station maintenance needed.	Recession cropping
	sub total			1.0	1.2	1.6		

Table D.1.5.2 -(2) INVENTORY & ANALYSIS OF EXISTING IRRIGATION SYSTEMS
PROVINCE : Takéo

No.	District	System Name (* Res., Reservoir)	System Number	Yield (t/ha)			Problems	Problems and Comments	Remarks	
				9.0		1.1				
				Wet Season Exist.	Dry Season Exist.					Reliabil
21	Angkor Borey	Canal 83	AB 1	0.0	2.5	3.0	Canal silted, secondary canal & maintenance needed	Repair main canals & build secondary canals	Recession cropping	
22		Konnop Reservoir	AB 2	0.0	2.5	3.0	Dike damaged, check struct. & maintenance needed	Repair dike & build outlet structure	Recession cropping	
23		Prek Cheach Reservoir	AB 3	0.0	2.5	3.0	Dike, check struct. & culvert damaged, maint. needed	Repair dike, check structure & culverts	Recession cropping	
	sub total			0.0	2.5	3.0				
24		Tulle Bati	BT 1	1.5	1.7	1.5	2.0	Main & secondary canal damaged, maintenance needed.	Rehab. main & secondary canal, build check gates	Double cropping
25	Bati	Kompong Damrei Res.	BT 2	1.0	1.5	2.0	2.5	Canal structure & maintenance needed	Rehab. main & secondary canal, build check gates	Double cropping
26		Kompon Dan Ko Check	BT 3	0.0	0.0	2.0	2.3	Check structure needed & canal silted	Build check structures & desilt canals	Recession cropping
27		Svay Khom Reservoir	BT 4	0.0	0.0	2.0	2.3	Dike damaged & maintenance needed	Repair dike	Recession cropping
28		Krain Krochang	BT 5	0.0	0.0	1.3	1.6	Dike damaged, outlet structure needed	Repair dike & build outlet structure	Recession cropping
	sub total			1.3	1.6	1.8	2.1			
29	Trueng	Deam Ro	T 1	0.0	0.0	1.5	2.0	Dike & structure damaged, canal needed	Repair dike structure	Recession cropping
30		Prey Mean Reservoir	T 2	0.0	0.0	2.0	2.3	Dike & structure damaged, canal needed	Repair dike structure & pump station	Recession cropping
31		Stung Takoo	T 4	0.0	0.0	2.5	3.5	Canal structure & maintenance needed	Repair dike, desilt canal, Spacing pump sta.	Recession cropping
	sub total			0.0	0.0	2.0	2.6			
32	Borey chhular	Canal 03	BCH 1	0.0	0.0	2.5	3.0	Canal silted & damaged, maintenance needed	Repair & desilt canals, outlet structures needed	Recession cropping
33		Sanski reservoir	BCH 2	0.0	0.0	2.5	3.0	Dike & check structure damaged, canal maintenance needed	Repair dike, outlet structure	Recession cropping
34		Chamlon Chker Reservoir	BCH 3	0.0	0.0	1.5	2.0	Dike, outlet struct. damaged, maintenance needed	Repair dike	Recession cropping
	sub total			0.0	0.0	2.2	2.7			
				1.2	1.5	2.1	2.6			
	Total									

Table D.1.6 Summary of Farmers Interview Survey Result in Irrigation

Province	Croppin Type	Type of irrigation facilities										Operation & Maintenance, if use facilities					Total						
		Coimattage Canal	Poi Pot Canal	Reservoir	Mobile Pump	Other (rain)	none	Total	By yourself	By Irrigation association	Others	none	Total										
Kratie	D & W	1	7%	0	0%	4	27%	4	27%	2	13%	4	27%	15	3	43%	2	29%	0	0%	2	29%	7
	W	0	0%	0	0%	0	0%	0	0%	0	0%	6	100%	6	1	25%	0	0%	0	0%	3	75%	4
	D	1	3%	1	3%	9	31%	14	46%	4	14%	0	0%	29	5	42%	3	25%	0	0%	4	33%	12
Sub total		2	4%	1	2%	13	26%	18	36%	6	12%	10	20%	50	9	39%	5	22%	0	0%	9	39%	23
K. Cham	D & W	18	12%	20	13%	43	28%	36	24%	10	7%	25	16%	152	43	64%	21	31%	0	0%	3	4%	67
	W	4	3%	26	19%	28	21%	15	11%	6	4%	56	41%	135	53	56%	29	31%	0	0%	13	14%	95
	D	12	9%	16	12%	37	28%	44	34%	22	17%	0	0%	131	45	70%	19	30%	0	0%	0	0%	64
Sub total		34	8%	62	15%	108	26%	95	23%	38	9%	81	19%	418	141	62%	69	31%	0	0%	16	7%	226
Kandal	D & W	32	17%	10	5%	23	12%	42	22%	11	6%	69	37%	187	30	37%	35	43%	0	0%	16	20%	81
	W	9	7%	18	14%	11	9%	6	5%	2	2%	82	64%	128	11	14%	25	32%	0	0%	41	53%	77
	D	27	25%	7	6%	9	8%	59	54%	7	6%	0	0%	109	28	36%	18	23%	0	0%	31	40%	77
Sub total		68	16%	35	8%	43	10%	107	25%	20	5%	151	36%	424	69	29%	78	33%	0	0%	88	37%	235
P. Veng	D & W	10	5%	29	16%	54	30%	65	36%	6	3%	19	10%	183	51	54%	25	26%	0	0%	19	20%	95
	W	3	4%	30	39%	2	3%	23	30%	5	6%	14	18%	77	21	47%	4	9%	0	0%	20	44%	45
	D	12	4%	62	20%	95	31%	119	39%	20	6%	0	0%	308	69	46%	65	43%	0	0%	16	11%	150
Sub total		25	4%	121	21%	151	27%	207	36%	31	5%	33	6%	568	141	49%	94	32%	0	0%	55	19%	290
Takeo	D & W	18	38%	8	17%	13	27%	1	2%	4	8%	4	9%	48	8	44%	1	6%	0	0%	9	50%	18
	W	0	0%	1	50%	0	0%	1	50%	0	0%	0	0%	2	0	0%	0	0%	0	0%	1	100%	1
	D	4	100%	0	0%	0	0%	0	0%	0	0%	0	0%	4	3	75%	1	25%	0	0%	0	0%	4
Sub total		22	41%	9	17%	13	24%	2	4%	4	7%	4	7%	54	11	48%	2	9%	0	0%	10	43%	23
Grand Total	D & W	79	14%	134	23%	274	47%	148	25%	33	6%	121	21%	585	135	50%	84	31%	0	0%	49	18%	268
	W	16	5%	75	22%	41	12%	45	13%	13	4%	158	45%	348	86	39%	58	26%	0	0%	78	35%	222
	D	56	10%	86	15%	150	26%	236	41%	53	9%	0	0%	581	150	49%	106	35%	0	0%	51	17%	907
Total		151	10%	228	15%	328	22%	429	28%	99	7%	279	18%	1514	371	47%	248	31%	0	0%	178	22%	797

Source : Farmers Interview Survey Results carried by the Study Team

Table D.1.7

Summary of Irrigation system in each zone

Zone No.	NO.	District	Number of System	Number of Village	Number of Families	Farm Land(Exist.)		Farm Land(Rechab.)		Remarks
						Wet Season Rice(ha)	Dry Season Rice(ha)	Wet Season Rice(ha)	Dry Season Rice(ha)	
1	1	Prek Prasap	23	44	852	0	720	0	793	
	2	Chhlong	29	89	1339	0	956	0	1108	
	3	Kroch Chhmar	7	1	30	0	10	0	508	
	4	Tbong Khmum	2	4	495	90	110	90	110	
	5	Stung Trang	5	6	305	50	200	235	735	
	6	Kampong Seim	3	25	2250	90	320	450	370	
Sub-total	6		69	169	5271	230	2316	775	3624	
2	1	Koh Sotin	4	12	710	0	278	0	308	
	2	Srey Santhel	3	44	7993	2966	610	2966	2110	
Sub-total	2		7	56	8703	2966	888	2966	2418	
3	1	Prey Chhor	5	15	1952	5582	3000	8282	7200	
	2	Cheung Prey	2	14	1920	3085	100	3135	400	
	3	Kang Meas	4	22	2662	0	1015	0	3870	
Sub-total	3		11	51	6534	8667	4115	11417	11470	
4	1	O Reang Ov	7	20	1313	640	50	1540	560	
	2	Sithor Kandal	5	8	1660	250	960	350	1280	
	3	Kanh Chreach	2	8	450	500	0	500	0	
	4	Kampong Leav	6	16	1462	360	330	490	660	
	5	Kanchay Mear	1	5	500	800	0	800	0	
Sub-total	5		21	57	5385	2550	1340	3680	2500	
5	1	Kampong Leav	19	65	7334	135	6227	185	8808	
	2	Peareang	14	41	6379	2190	3013	2540	3690	
	3	Peam Ro	9	36	3646	130	3382	160	3683	
	4	Ba Phnom	9	34	765	50	360	6320	8637	
Sub-total	4		51	176	18124	2505	12982	9205	24818	
6	1	Ksach Kandal	18	72	10728	4096	2618	5270	4988	
	2	Lvea Em	6	19	2843	0	563	0	857	
Sub-total	2		24	91	13571	4096	3181	5270	5845	
7	1	Batheay	4	18	2010	890	400	2675	1900	
	2	Muk Kampoul	2	17	3041	0	1495	0	1850	
Sub-total	2		6	35	5051	890	1895	2675	3750	
8	1	Kandal Stung	3	75	3319	1995	50	2393	1943	
	2	Ang Snourl	5	40	3040	3677	150	3757	150	
	3	Dongkor	2	8	400	300	30	1300	200	
	4	Ponhea Leu	4	63	5962	180	2270	180	2353	
	5	Bati	5	85	4400	2000	2850	2100	4350	
Sub-total	5		19	271	17121	8152	5350	9730	8996	
9	1	Kean Svay	3	36	11788	700	2990	700	4710	
	2	Saang	15	116	17112	0	5045	0	5490	
	3	Takumau(PT)	2	13	912	624	0	614	624	
Sub-total	3		20	165	29812	1324	8035	1314	10824	
10	1	Leuk Dek	0	0	0	0	0	0	0	
	2	Koh Thom	4	60	1940	0	2987	0	9286	
Sub-total	2		4	60	1940	0	2987	0	9286	
11	1	Takeo(PT)	4	69	10713	70	7520	130	8030	
	2	Koh Andel	6	33	4681	20	3120	30	3950	
	3	Samrong	8	54	6550	645	6400	920	7750	
	4	Prey Kabass	3	20	2633	250	2000	300	2075	
	5	Angkor Borey	3	15	2499	0	1780	0	2000	
	6	Treang	3	17	780	0	4550	0	5130	
	7	Borey Cholasar	3	46	5214	0	4350	0	6160	
Sub-total	7		30	254	33070	985	29720	1380	35095	
12	1	Peam Chor	10	22	1684	30	1455	30	2770	
13	1	Preah Sdech	15	55	3520	925	1455	4950	1790	
	2	Kampong Travek	5	3	203	330	70	2970	150	
Sub-total	2		20	58	3723	1255	1525	7920	1940	
total	44		292	1465	149989	33650	75789	56362	123336	

Source ; Irrigation Rehabilitation Study in Cambodia, Mekong Secretariat, 1994

