

Table SA.2.3 Water Resources Related National Asset Database Installation Program

(1) Activity No. :	INV - 3	Program Name ;	Water Resources Related National Asset Database Installation Program	Category of the Program
(2) Sector :	Irrigation	(3) Expected Implementation Period ;	2 years	Irrigation Scheme, WUA, Others
(4) Target Area / Category	1) Estimated Total Number ;	19,000 schemes	2) Estimated Total Area ;	4.01 million ha
3) Others				
(5) Program Description				
Carry out installation of computer aided database of water resources related national asset, consisted both numeric and map/ drawing oriented information, available for updating anytime. One complete system is to be installed in the central with data supplied from provincial governments, then complete same system is to be installed at provincial dinas Kimpraswil for maintaining uniformly. All of results to be provided through Iri. & Drainage Inventory Programs are to be inputted into the system.				
(6) Executing agencies/institutions, their roles, present conditions & required strengthening				
1) <u>Field level</u> : Not to involve directly				
2) <u>Kabupaten government</u> : Dinas Kab. Kimpraswil				
3) <u>Provincial government</u> : Dinas Kimpraswil, In-Charge at province level, guide Dinas Kab Kimpraswils				
4) <u>Central government</u> : In-Charge; Kimpraswil, DGWR, DWRM				
(7) Program Background				
1) <u>Current Problems to be addressed by the Program</u> : 1) No referenciable information for national asset management. 2) Understanding of economy based maintenance phyrothophy is exactly lack in any fields. 3) Urgently should set effective info to meet with decentralization and watershed management.				
2) <u>Countermeasures already taken</u> : Nothing in particular				
3) <u>Significance and necessary of the Program</u> : Maintenance minds for any aspects are lack. Urgently should set effective info to meet with decentralization and watershed management. Also as sorting tool to select resource staffs in govt offices				
4) <u>Relation between the Program and national development plan/ policies/instructions</u> : Available to compile provided Iri. & drainage sys inventory in same format. National asset management is to be cash-oriented. Decentralization & watershed management can be more concrete/ realistic. Available to supply accurate info. for decesion making for local investment.				
(8) Program Targets and Monitoring				
1) <u>Overall Goal</u> : To obtain accesable / revisable database to supply accurate info for national asset management.				
2) <u>Proposed performance indicators to assess results at the target level</u> : At both central & provincial level available to obtaine accurate info.				
3) <u>Output</u> : Compiled inventory itself				
4) <u>Proposed performance indicators to assess achievements at the outputs level</u> : At both central & provincial level available to obtaine accurate info.				
5) <u>Activities</u> : See <i>Supporting Information</i>				
6) <u>Assumptions</u> :				
(9) Program Inputs				
1) <u>Budget allocation plan throughout the Program period</u> Rp 2,213.62 (x 1,000,000) eq. \$201.24 (x 1,000) US\$1=Rp11,000				
2) <u>Staff allocation plans and technical after achievement of overall goal</u>				
3) <u>Provisional equipment/ Materials</u>				
(10) Program Benefits & Impacts				
1) <u>Direct beneficiaries & their numbers during the program implementation</u> : System supplier & system provider				
2) <u>Direct beneficiaries & their numbers after achievement of overall goal</u> : Farmers (or WUA) with receiving prompt services from govt. Local tax payer to compress govts administration cost				
3) <u>Indirect benefits</u> : Local residents (rationalize govt's expenditure with sorting staffs.)				
(11) Related Projects/Programs (IISP, IDTO, PTSL, SAL, Others)				
1) Other projects : Available to supply accurate info. To realize regional development				
(12) Pre-Requirements				
1) Inventory developed by Provincial govts or Inventory 1993 should be existing.				
2) WUA or Farmers' union should be established				
3) Provision of resource govt staff to operate sys.				
4) Sufficient fund to install sys and to maintain sys.				
(13) Risks & sensitivities				
1)				
(14) Special Remarks				
1) Program is to be commenced at 75% progress of both Iri. & drainage inventory programs and the system installation is to be adapted for more 80% progress provinces.				

Table SA.2.4 WUA Inventory Provision Program

(1) Activity No. :	INV - 4	Program Name ;	WUA Inventory Provision Program	Category of the Program
(2) Sector :	Irrigation	(3) Expected Implementation Period ;	2.5 years	Irrigation-Scheme, WUA, Others
(4) Target Area / Category	1) Estimated Total Number ;	2) Estimated Total Area ;	4.01 million ha	
3) Others				
(5) Program Description				
<p>Program aims to let WUA /farmers group fulfil WUA inventory. Carry out the program by utilize present administration channels referring to the results of the JICA assisted study to complete WUA inventory, including WUA potential areas. As preconditions to conduct the program, GOI should have made progresses of D.I. Inventory and initiation of measures as incentives to let farmers involve.</p>				
(6) Executing agencies/institutions, their roles, present conditions & required strengthening				
1) <u>Field level :</u>				
2) <u>Kabupaten government</u> Dinas Kab. Kimpraswil				
3) <u>Provincial government</u> Dinas Kimpraswil, In-Charge at province level, guide Dinas Kab Kimpraswils				
4) <u>Central government</u> In-Charge; Kimpraswil, DGWR, DWRM				
(7) Program Background				
<p>1) <u>Current Problems to be addressed by the Program :</u> 1) Policy has not been operated by purpose sense. Hence nobody know the progress and targets 2) Farmers hardly understand benefit principle, so less willingness to involve 3) Govts has no way to know present conditions of farmers directly.</p> <p>2) <u>Countermeasures already taken :</u> JICA WUA Study has been conducted as fact found measures</p> <p>3) <u>Significance and necessary of the Program :</u> 1) Necessary to provide inventory to clarify concrete target to make progress of WUA establishment / strengthening, 2) Necessary as provision of concrete preparation for proceeding O&M turn-over policy.</p> <p>4) <u>Relation between the Program and national development plan/ policies/instructions :</u> 1) Deeply related with decentralization policy, 2) also with watershed management policy due to dominant water user 3) Related with sustainable / stable crop production from view point of national food security 4) Participation of WUA /farmers to provide the inventory is a measure to boost democratisation movement through socialization</p>				
(8) Program Targets and Monitoring				
1) <u>Overall Goal :</u> 1) To realize activated farmers institution under the benefit principle				
2) <u>Proposed performance indicators to assess results at the target level :</u> Increment of irrigated crops in existing scheme areas				
3) <u>Output :</u> Compiled WUA inventory itself				
4) <u>Proposed performance indicators to assess achievements at the outputs level :</u> At both central & provincial level available to obtained accurate WUA present info. & to set target for next WUA establishment / strengthening.				
5) <u>Activities :</u> See Supporting Information				
6) <u>Assumptions :</u>				
(9) Program Inputs				
1) <u>Budget allocation plan throughout the Program period</u> Rp 2,213.62 (x 1,000,000) eq. \$201.24 (x 1,000) US\$1=Rp11,000				
2) <u>Staff allocation plans and technical after achievement of overall goal</u>				
3) <u>Provisional equipment/ Materials</u>				
(10) Program Benefits & Impacts				
1) <u>Direct beneficiaries & their numbers during the program implementation:</u> Central & Local govts, because to obtain accurate info.				
2) <u>Direct beneficiaries & their numbers after achievement of overall goal:</u> Farmers (or WUA) with receiving prompt services from govts. Central & Local govts because of sufficient info to set prioritization for WUA development & rehab schemes				
3) <u>Indirect benefits:</u> Local residents (Stable crop supply)				
(11) Related Projects/Programs (IISP, IDTO, PTSL, SAL, Others)				
1) IDTO : More smooth to make progresses for implementation, because already being completed initial socialization				
2) PTSL : Available to ensure more sustainable O&M after the scheme implementation				
3) Other projects : Available to proceed plans / schemes with more concrete O&M institutions than previous				
(12) Pre-Requirements				
1) Iri & drainage scheme Inventory should be progressed by certain level (say 75% or so) to identify WUA (WUA potential) area				
2) Central govt should have completed to set cash-oriented detailed rule of O&M demarcation in between beneficiaries				
3) Socialization should be already progressed on the benefit principle among farmers				
4) Rationalization of local government sys is to be publicized and being aware by farmers at certain level, to recover the trust				
5) Already being set specified schemes as incentive for farmers to involve, that is, iri & drainage rehab program.				
6) Government should have provided alternatives for cost demarcation between WUA and govt before				
(13) Risks & sensitivities				
1)				
(14) Special Remarks				
1) Necessary to conduct the program from view point to introduce " Competitive Concept to meet with Free Market sys" into both govt & farmers' sides.				

Table SA.2.5 Irrigation System Assessment Program

(1) Activity No. :	INV - 5	Program Name ;	Irrigation System Assessment Program	Category of the Program
(2) Sector :	Irrigation		(3) Expected Implementation Period ;	2.5 years Irrigation Scheme, WUA, Others
(4) Target Area / Category	1) Estimated Total Number ;		2) Estimated Total Area ;	
3) Others				
(5) Program Description				
Carry out the program for irrigation & drainage system over 1,000ha scale schemes over the country, to assess the present physical conditions, O&M measures, farmers involvements, to obtain reference points for required funds of govt responsibility. Examining appropriate rule of cost demarcation among Kaupatens is also one of tasks to enhance decentralization policy and watershed management concept. After conducting pilot study at several provinces, country wise study is to be conducted.				
(6) Executing agencies/institutions, their roles, present conditions & required strengthening				
1) <u>Field level</u> :				
2) <u>Kabupaten government</u> Kab. Govts should owe support to conduct the survey				
3) <u>Provincial government</u> Respective provincial Govts should owe all of responsibilities at province level				
4) <u>Central government</u> Kimpraswill is to be in charge for the program implementation				
(7) Program Background				
1) <u>Current Problems to be addressed by the Program</u> : 1) No referencible information for managig rehabilitate iri & drainage sys. 2) Hence O&M turn-over policy has not been realized, because of being not cash-oriented discussion, 3) Also no sufficient info to set prioritization for both physical rehab & making progresses of WUA establishment. 3) Urgently should set effective info to meet with decentralization and watershed management.				
2) <u>Countermeasures already taken</u> : Prov govt been updating but not sufficient for Need Base planning				
3) <u>Significance and necessary of the Program</u> : 1) To provide references to know necessary fund for iri. & drainage rehab as need base 2) To provide sufficient references to make concrete / realistic O&M turnover for co-sharing the cost 3) To be available to prioritaze to set target scheme rehab and WUA organizing / strengthening 4) To contribute referencial rule of cost demarcation among Kab govts for a ceratain scheme.				
4) <u>Relation between the Program and national development plan/ policies/instructions</u> : 1) Available to make more concrete plan to manage cost intensive issue for local govts 2) To supply sufficient info to proceed watershed management as dominant water users in local area.				
(8) Program Targets and Monitoring				
1) <u>Overall Goal</u> : To conduct smooth decenarization/ watershed management basing on sufficient info.				
2) <u>Proposed performance indicators to assess results at the target level</u> : 1) Available to estimate need base rehab cost by province 2) Also to set cost demarcation among Kab govts.				
3) <u>Output</u> : Compiled inventory itself				
4) <u>Proposed performance indicators to assess achievements at the outputs level</u> : 1) Available to predict budget disbursement schedule for corring several years to rehb iri & drainage				
5) <u>Activities</u> : See Supporting Information				
6) <u>Assumptions</u> :				
(9) Program Inputs				
1) <u>Budget allocation plan throughout the Program period</u> (x 1,000,000) eq. (x 1,000) US\$1=Rp11,000				
2) <u>Staff allocation plans and technical after achievement of overall goal</u>				
3) <u>Provisional equipment/ Materials</u>				
(10) Program Benefits & Impacts				
1) <u>Direct beneficiaries & their numbers during the program implementation</u> : 1) Both Central & Provincial Govts to obtain need base cost for the cost intensive issue , with referencible info to conduct cost allocation				
2) <u>Direct beneficiaries & their numbers after achievement of overall goal</u> : 1) Both of govt and farmers sides available to set concrete budgetary plan for future and to obtain sound management				
3) <u>Indirect benefits</u> : Available to contribute to realize more concrete and realistic planning at occasion of decentralization				
(11) Related Projects/Programs (IISP, IDTO, PTSL, SAL, Others)				
1) Other projects : Available to supply accurate info. To realize regional development				
(12) Pre-Requirements				
1) Iri & drainage Inventory Survey should be progressed by 75% at provincial level				
2) Socialization of task allocation of Kab govt, WUA already progressed				
(13) Risks & sensitivities				
(14) Special Remarks				

Supporting Information of 3) Activities of 3) Program Targets and Monitoring :
Irrigation System Assessment Program

Activities	By Farmers / WUA	By Local Govt	By Central Govt	By Consultant
Objectives Confirmation		KS	V, BU	KM
Selection of sites as pilot survey in provinces	KM	KS	V, BU	I
Detailed facility evaluation & set rehab level.		KS	V, BU	I
Set alternatives for rehab / modification of sys.	KM	KS	V, BU	I
Cost estimate for rehab / modification of irri sys		KS	V, BU	I
Exam Cost demarcation rule among WUA & govt	KM	KS	V, BU	I
Exam Cost allocation rule among Kabs		KS	V, BU	I
Proposing rules to adjust limited water in basin	KM	KS	V, BU	I
Finalization of Program			V, BU	I

Note : Legend of Task Owning

V : Having authority & responsibility

BU: providing guidance/assistance/backup

KS : Joint operation

I : Implementor

KM : Partnership

Implementation Schedule : Irrigation System Assessment Program

Work Descriptions	1st Year												2nd Year												3rd Year					
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6
Objectives Confirmation	■	■																												
Selection of sites as pilot survey in provinces	■	■	■	■	■																									
Detailed facility evaluation & set rehab level.	■	■	■	■	■	■	■	■	■	■	■	■																		
Set alternatives for rehab / modification of sys.													■	■	■	■	■	■	■	■	■	■	■	■						
Cost estimate for rehab / modification of irri sys													■	■	■	■	■	■	■	■	■	■	■	■						
Exam Cost demarcation rule among WUA & govt																														
Exam Cost allocation rule among Kabs																														
Proposing rules to adjust limited water in basin																									■	■	■	■	■	■
Finalization of Program																														

Note :

Time intensive work to complete whole requirements over the country. Hence the above schedule of the program is just for pilot scheme within limited provinces.

The First step is assumed 5 provinces applied for the JICA WUA Study.

The program is recommended to commence after realizing certain progresses of Inventorizing irrigation schemes and WUA, at least 60% to ensure farmers' involvement and utilization of sufficient information for the assessment.

The program after the first step can be conducted under certain prioritization criteria in provinces.

Table SA.2.6 Irrigation Scheme Rehabilitation Proposal Competition Program

(1) Activity No. :	INV - 6	Program Name ;	Irrigation Scheme Rehabilitation Proposal Competition Program	Category of the Program
(2) Sector :	Irrigation	1	Annual	Irrigation Scheme, WUA, Others
(4) Target Area / Category	1) Estimated Total Number ;		2) Estimated Total Area ;	
3) Others				
(5) Program Description				
<p>Program aims to let WUA / farmers group involve for actual O&M planning by secondary canal wise, while let them compete WUA establishment over the country. Every year Kab. govt level invite rehab proposal at secondary canal level WUA to appraise submitted proposal in open competition. Awarded proposal & names of officers assisted are to be informed to public later, while implementing the rehab. works as proposed.</p>				
(6) Executing agencies/institutions, their roles, present conditions & required strengthening				
<p>1) <u>Field level</u> : Farmers should register WUA at secondary canal level and make accurate proposal of rehab plan, including post project O&M plan, while getting assistance from local administration every year to participate to nation wide proposal competition.</p> <p>2) <u>Kabupaten government</u> : While assisting / encouraging farmers to establish WUA & providing rehab proposals, select / award / announce WUA and assisted officers into public.</p> <p>3) <u>Provincial government</u> : Same involvement but provincial level. Provincial govt should adjust selection in open and convey to the central</p> <p>4) <u>Central government</u> : Same involvement but national level and owe responsibility to prepare sufficient fund to implement rehab. Works for the awarded plans. Disbursement is to be monitored by the respective WUA.</p>				
(7) Program Background				
<p>1) <u>Current Problems to be addressed by the Program</u> : 1) Present rehab schemes are handled by govt, not participating beneficiaries. Hence never been modified most serious issue, participation and generating willingness of involvement 2) Also after rehab being completed, O&M is left under willingness less condition 3) Both farmers and local govt can not change their mind to try to renovate by themselves, just wanting / waiting for assistances.</p> <p>2) <u>Countermeasures already taken</u> : Nothing in particular</p> <p>3) <u>Significance and necessary of the Program</u> : 1) Appraisal through competitive procedure can be expected to introduce Self-Help minds into both farmers & local officers 2) Eligibility to participate in the program can be expected to enhance establishing WUA at secondary canal level, which has been left without any purpose sense on both sides.</p> <p>4) <u>Relation between the Program and national development plan/ policies/structions</u> : 1) GOI has been seeking WUA establishing program but little progress by now. The Program can be expected to enhance it 2) Participatory / democratization is being advocated but not showing concrete measures. Available to contribute to that.</p>				
(8) Program Targets and Monitoring				
<p>1) <u>Overall Goal</u> : To realize activated WUA stratified organization and joint operation</p> <p>2) <u>Proposed performance indicators to assess results at the target level</u> : Annually rehab schemes will be going on through participatory approach</p> <p>3) <u>Output</u> : Rehab schemes are to be implemented annually.</p> <p>4) <u>Proposed performance indicators to assess achievements at the outputs level</u> : Increasing participatory WUA every year. Also registered WUA will be increased.</p> <p>5) <u>Activities</u> : See Supporting Information</p> <p>6) <u>Assumptions</u> :</p>				
(9) Program Inputs				
<p>1) <u>Budget allocation plan throughout the Program period</u> : Not prepare special budget for conducting this program. Managed within annual general budget.</p> <p>2) <u>Staff allocation plans and technical after achievement of overall goal</u> : Nothing in particular</p> <p>3) <u>Provisional equipment/ Materials</u> : Nothing in particular</p>				
(10) Program Benefits & Impacts				
<p>1) <u>Direct beneficiaries & their numbers during the program implementation</u> : Local & Central Govt</p> <p>2) <u>Direct beneficiaries & their numbers after achievement of overall goal</u> : Stable increment of registered WUA and rehabilitated iri schemes.</p> <p>3) <u>Indirect benefits</u> :</p>				
(11) Related Projects/Programs (IISP, IDTO, PTSL, SAL, Others)				
<p>1) PTSL : Seems to be applied as fund source for implementation</p>				
(12) Pre-Requirements				
<p>1) Central govt should ensure sufficient fud source to implement rehab works basing on proposals to be awarded</p> <p>2) Eligible participatory WUA should be WUA at secondary level already registered in ahead.</p> <p>3) Central govt should have completed detailed task allocation for O&M before conducting the scheme</p> <p>4) Govt shall set up sufficient preparation to confirm the contents of proposal also to announce the results to public.</p>				
(13) Risks & sensitivities				
1)				
(14) Special Remarks				
1)				

**Supporting Information of 5) Activities of 6) Program Targets and Monitoring :
Irrigation Scheme Rehabilitation Proposal Competition Program**

Activities	By Farmers / WUA	By Local Govt	By Central Govt	By Consultant
Public Announcement of the Scheme			V, BU, I	
Kab-level Proposal Competition & Awarding		KS, BU	V	
Provincial-level Proposal Competition & Awarding		KS, BU	V	
National-level Proposal Competition & Awarding		KS, BU	V, KS, BU	
Appraising nominated rehab. Proposal			V, KS, BU	
Preparation to sum-up all rehab. Plan & fund prepa			V, KS, BU	

Note : Legend of Task Owing

V : Having authority & responsibility

BU: providing guidance/assistance/backup

KS : Joint operation

I : Implementor

KM : Partnership

This program is intended as annual program to encourage farmers to involve O&M & Rhab planning.

Proposal provided by farmers are assumed being prepared already before the annual program

All of results of evaluation are to be announced at each level with name of WUA and officers who assisted the work

Eligible participants shall be "Registered WUA at Secondary canal level" only.

Government shall owe responsibility to implement rehab works concretely.

All of progresses of rehab implemetation shall be monitored by both WUA and local government jointly

**Implementation Schedule : Irrigation Scheme Rehabilitation
Proposal Competition Program**

Work Descriptions	1st Year											
	1	2	3	4	5	6	7	8	9	10	11	12
Public Announcement of the Scheme	■											
Kab-level Proposal Competition & Awarding		■	■									
Provincial-level Proposal Competition & Awarding				■	■							
National-level Proposal Competition & Awarding						■	■	■				
Appraising nominated rehab. Proposal									■	■	■	
Preparation to sum-up all rehab. Plan & fund prepa											■	■

Note :

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Government shall owe responsibility to implement rehab works concretely.

All of progresses of rehab implemetation shall be monitored by both WUA and local government jointly

Table SA.3 Public Awareness and Capacity Building at WUA level

(1) Activity No. :		Program Name ;	Public Awareness and Capacity Building at WUA level	Category of the Program
(2) Sector :	Water Resources	(3) Expected Implementation Period ;	2 years	Irrigation Scheme, WUA, Others
(4) Target Area / Category	1) Estimated Total Number ;		2) Estimated Total Area ;	
	3) Others			
(5) Program Description	Carry out public awareness of necessity of the benefit principle while encouraging farmers to empower their capabilities to set up foundation to step up WUA policy as a part of integral part of any WUA empowerment program.			
(6) Executing agencies/institutions, their roles, present conditions & required strengthening	1) <u>Field level</u> : 2) <u>Kabupaten government</u> : Kabupaten Dinas Kimpraswil, Bappeda 3) <u>Provincial government</u> : Dinas Kimpraswil, Provincial Bappeda 4) <u>Central government</u> : Kimpraswil, D GWR			
(7) Program Background	1) <u>Current Problems to be addressed by the Program</u> : Many farmers are unaware of, or are misinformed of current Govt's WUA policies & irrigation system turnover. Many farmers understand that irrigation supply is a virtually free gift from Govt and one for which they have little responsibility or over which they have little authority. 2) <u>Countermeasures already taken</u> : Already having poured so many programs through top-down system last more than 20 years, achievement is still quite low. 3) <u>Significance and necessary of the Program</u> : Whilst basic principles have been established, to some extent the policies are still being developed & the public awareness program will need to keep astride of the emerging policies. The intention is that farmers will understand that they can no longer expect to receive water at little or no cost, and that they will accept the routine financial & management responsibility for the O&M within specified section. 4) <u>Relation between the Program and national development plan/ policies/instructions</u> : GOI has been trying to complete policy framework through WATSAL program to emerge from the present. The proposed program here will owe function to realize concrete foundation to proceed WUA policies to enhance turnover irrigation O&M.			
(8) Program Targets and Monitoring	1) <u>Overall Goal</u> : To be realize irrigation O&M turnover as intended through conducting measures which are to be set basing on well understood conditions by farmers realized by this program. 2) <u>Proposed performance indicators to assess results at the target level</u> : Increment of number of activated WUA over the country. 3) <u>Output</u> : Majority of farmers understands / accepts WUA policies. 4) <u>Proposed performance indicators to assess achievements at the outputs level</u> : Number of newly established WUA 5) <u>Activities</u> : See Supporting Information 6) <u>Assumptions</u> :			
(9) Program Inputs	1) <u>Budget allocation plan throughout the Program period</u> (x 1,000,000) eq. (x 1,000) US\$1=Rp11,000 2) <u>Staff allocation plans and technical after achievement of overall goal</u> 3) <u>Provisional equipment/ Materials</u>			
(10) Program Benefits & impacts	1) <u>Direct beneficiaries & their numbers during the program implementation</u> : GOI 2) <u>Direct beneficiaries & their numbers after achievement of overall goal</u> : Farmers (Because they will be able to utilize channels to sell crops and increase income while receiving any programs to be set by GOI to activated economic condition) 3) <u>Indirect benefits</u> : The people (Due to stable crop supply, sound rural environment and well functioned society)			
(11) Related Projects / Programs (IISP, IDTO, PTSL, SPL, Others)	1) IDTO : Public awareness and capacity building have been conducted in sites.			
(12) Pre-Requirements	1) Agreement would have been reached on the content of the main message being delivered. 2) Specific DI within a particular Kabupaten would have been selected, on the basis of some rational selection criteria. 3) Government staff, at Kabupaten & at lower levels, would have been suitably informed & trained 4) A Kabupaten Irrigation Co-ordination Forum would have been formed 5) A CO would probably have been recruited & trained, the survey methodology, the services which Govt could provide & the staff concerned. 6) Contact would have been made with non-Govt agencies who would might be of assistance 7) Funds have been earmarked to cover the cost of implementing the activity, & any subsequent activities which would ensure, should the initial approach prove to be successful			

to be continued

Continued

(13) Risks & sensitivities	
1) No guarantee of success in terms of farmers accepting the message which would be given under this program.	
2) Govt staffs may not appreciate to lose their opportunities of benefit from handling O&M & project development funds.	
(14) Special Remarks	
1)	

Supporting Information of Activities of (3) Program Targets and Monitoring :

Public Awareness and Capacity Building at WUA level

Activities	By Farmers / WUA	By Local Govt	By Central Govt	By Consultant
Reg. Public Awareness			V, BU	
Training local govt staffs		I	BU	
Select / prioritise target WUA		I	BU	
Public awareness at field		I	BU	
Reg. Capacity Building			V, BU	
Training local govt staffs		I	BU	
Initializing capacity building procedure	KM	I	BU	
Problem finding / measure setting	KS	KS	BU	
Developing measures into detailed programs	KS	KS	BU	
Implementation	KS	KS	BU	
Monitoring & Evaluation	KS	KS	BU	

Note : Legend of Task Owning

V : Having authority & responsibility

BU: providing guidance/assistance/backup

KS : Joint operation

I : Implementor

KM : Partnership

Govt should have completed WUA (potential) identification before comencing the program

Public awareness itself will take few months, while the Capacity building will extend for longer, depending on the requirements & capabilities of target group.

Implementation Schedule : Public Awareness and Capacity Building at WUA level

Work Descriptions	1st Year	2nd Year
Reg. Public Awareness	██████████	
Training local govt staffs	██████████	
Select / prioritise target WUA	██████████	
Public awareness at field	██████████	
Reg. Capacity Building	██████████	██████████
Training local govt staffs	██████████	██████████
Initializing capacity building procedure	██████████	██████████
Problem finding / measure setting	██████████	██████████
Developing measures into detailed programs	██████████	██████████
Implementation	██████████	██████████
Monitoring & Evaluation	██████████	██████████

Note : Govt should have completed WUA (potential) identification before comencing the program

Public awareness itself will take few months, while the Capacity building will extend for longer, depending on the requirements & capabilities of target group.

Time requirement is assumed 2 years for permeate effects of the program at one place tentatively.

Table SA.4 Training of WUA(s) Leaders

(1) Activity No. :	Program Name	Training of WUAs' Leaders	Category of the Program
(2) Sector :	Irrigation	(3) Expected Implementation Period :	6 months Irrigation Scheme, WUA, Others
(4) Target Area / Category	1) Estimated Total Number: 105 WUAs, 315 leaders		2) Estimated Total Area : 7 Kab/Mun, 21 DIs
3) Others Indonesia, Province of West Sumatera, 7 Kab/Mun surveyed in the Study			
(5) Program Description			
Carry out participatory need assessment, program designing and implementation of WUA leadership trainings. The trainings should address enhancement of WUAs' leaders on both WUA and irrigation O&M managements. At the end of the trainings participants must be able to show their own WUA's draft of Action Plan for an applicable follow up, namely (a) improvement of WUA/WUAF and O&M managements, and (b) proposal preparation for local DI management turnover.			
(6) Executing agencies/institutions, their roles, present conditions & required strengthening			
1) <u>Field level</u> : a. Consulting Team's Facilitators of WUA leadership training (Technical Assistance), b. Kab/Mun PTGA team, Cos, KPL (Resource person, Local Facilitator) c. Local DI/Kecamatan GOI Organizing Committee (Initiative, Proposal to KICF)			
2) <u>Kabupaten government</u> : KICF (Initiative, Decision, Action, Funding)			
3) <u>Provincial government</u> : Provincial GOI, Bappeda, Dinas Pengairan, Dinas Pertanian, PTGA (Control, M&E) Consulting Team (Technical Assistance)			
4) <u>Central government</u> : Kimpraswil, Bappenas (Control, M&E)			
(7) Program Background			
1) <u>Current Problems to be addressed by the Program</u> : a. WUA/WUAF are inactive, less functioning, b. O&M fund collection doesn't work, c. O&M implementation is inadequate			
2) <u>Countermeasures already taken</u> : a. At national level: Irrigation policy reform, issuance of Inpres no 3/1999, Watsal formulation for implementation, JICA study, b. At regional/local level: various project schemes improving for WUA empowerment, irrigation management, O&M and turnover (ISMP III/II, JINWMP, FMIS etc).			
3) <u>Significance and necessary of the Program</u> : a. Countermeasure recommended from the bottom by 5 Study Provinces resulted from problem tree analysis, b. WUA/WUAF management must strong enough for well managed farm and irrigation, c. WUA leader is the local manager, the local agent of change.			
4) <u>Relation between the Program and national development plan/ policies/instructions</u> : WUA leadership training is a step to enable WUA/WUAFs address constraint and problem by themselves by preparing adequately annual Action Plan for both WUA and irrigation managements, as a follow up of the trainings.			
(8) Program Targets and Monitoring			
1) <u>Overall Goal</u> : Ability of trained WUAs' leaders to organize participatory action planning and implementation locally with their respective WUAs' members for sustainable farming irrigation			
2) <u>Proposed performance indicators to assess results at the target level</u> : WUAs' annual Action Plans resulting from annual review and planning workshop in annual WUA/WUAFs' General Assembly reported annually to the local Kabupaten/Municipal GOIs with copy to Village GOI, Kecamatan GOI, and Pengamat/Ranting Dinas of the irrigation schemes (DIs)			
3) <u>Output</u> : a) <u>Need assessment</u> : adequate local need analysis of WUA leadership training b) <u>Training design</u> : adequate prepared subjects, training schedule, method, materials and instruments by both overall goal and local need analysis c) <u>Training implementation</u> : At the end of training WUAs leaders are able to produce draft of Action Plan for WUA and O&M improvements as specified on follow up below.			
d) Training follow up: Ability of trained WUAs' leaders to organize in participatory with their respective WUAs' members, concerning: a) Irrigation management and O&M (1) Cropping plan and calendar, (2) Water allocation scheduling and O&M procedures, (3) Regular irrigation walk-through with local GOI Irrigation Officer, (4) O&M implementation as scheduled, (5) Rehabilitation proposal and implementation as required, (6) O&M cost estimate and ISF rate for the local DI.			
b) WUA management (1) Annual WUA's Action Plan and implementation of local DI, (2) Annual WUA's report of activities and financial balance sheet, (3) Annual WUA General Assembly, (4) Six-monthly and annual WUA's report to local Kabupaten/Municipal GOI, and (5) ISF collection and WUA financial management.			
4) <u>Proposed performance indicators to assess achievements at the outputs level</u> : a) Need assessment: M&E visit notes on training need assessment, completed data collection forms, compilation and analysis results b) Training design: Reported and discussed training design and materials c) Training implementation: training pre-test and post-test forms, copies of draft Action Plan by individual WUAs d) Training follow up: a) Irrigation management and O&M - M&E visit notes on undertaken cropping calendar, copies of reported cropping plan & calendar - M&E visit notes on undertaken water allocation and maintenance, copies of scheduling, procedures and plan b). WUA management - Submitted WUA six-monthly and annual reports to local Kab/Mun GOI and copy to the lower GOIs, visit notes of GOI Officers - WUA reports and six-monthly audits on WUA administration and book-keeping, cash box and bank account, and WUA annual balance sheet - M&E visit notes on WUA's six-monthly meeting and annual General Assembly (member participation, process and outcomes)			

to be continued

continued

<p>5) Activities : See Supporting Information</p> <p>6) Assumptions :</p> <ul style="list-style-type: none"> - WUA/WUAFs included into the training were (re)organized democratically - AD/ART was (re)formulated with the members and legalized by the WUA/WUAF General Assembly - 21 Dis average at 5 WUAs/DI with 3 key leaders each, hence total are about 315 WUA leaders - 1 WUA leadership training is about 1 week (6 days) by 35 participant each, thus about 9 trainings are needed - Adequate building is available at DI level for training place 	
<p>(9) Program Inputs</p> <p>1) <u>Budget allocation plan throughout the Program period</u></p> <ul style="list-style-type: none"> a. Consulting Team selection and mobilization b. Need assessment : Consulting Team, enumerators 1person/DI, 7 Kab, 3DI/Kab, 5 WUA/DI, 3leader/WUA, 4 weeks field+office works c. Training design: Consulting Team, syllabus, material preparation, one-day workshop-35 persons, material production d. Training implementation: Consulting Team, Local Facilitator 30persons, 10trainings @31-32person, 1month (2w/inclass, 1w/field, 1w/inclass) e. Follow up: Consulting Team, empowerments of (a) Kab PTGA Team, COs, KPLs in assiting WUA leaders for training follow up, and (b) Local GOI Agencies in undertaking support and services as required, 7 Kab, 3Dis/Kab, 5WUAs/DI, 2 months f. Reporting: Consulting Team, one-day workshop 35 persons g. Demobilization <p>2) <u>Staff allocation plans and technical after achievement of overall goal:</u></p> <ul style="list-style-type: none"> - WUA leaders return to their respective WUAs for follow up - Consulting Team and local trainers and resource persons are demobilized <p>3) <u>Provisional equipment/ Materials</u></p> <ul style="list-style-type: none"> a. Need assessment: questionnaire forms (7 Kab x 3 Dis x 5 WUAs x 3 leaders, 315 copies) b. Training designing and material preparation (WUA and O&M materials for dissemination, planning, implementation and reporting) c. Training implementation: 315 x kinds of used materials above. d. Training follow up: e. Reporting: one-day workshop materials, 35 persons 	
<p>(10) Program Benefits & Impacts</p> <p>1) <u>Direct beneficiaries & their numbers during the program implementation:</u></p> <ul style="list-style-type: none"> a. Need assessment: 315 respondents/WUA leaders, 21 local enumerators (CO) b. Training designing and material preparation: Kab PTGA team at 3 person minimum/kab (21), c. Training implementation: 315 WUA leaders, Kab PTGA team (3 at minimum), CO (21), 3KPL x 21 Dis x 5vil average (315) <p>2) <u>Direct beneficiaries & their numbers after achievement of overall goal:</u></p> <ul style="list-style-type: none"> a. WUAs members @ 200/DI, 21 Dis in 7 Kab/Mun (4220) b. WUA leaders, KPL, COs, Kab PTGA Team (included in (10) 2) above) c. Provincial and Kabupaten GOIs and GOI Agencies <p>3) <u>Indirect benefits:</u></p> <p>Dis surroundings, Kabupaten surroundings, and Provincial surroundings</p>	
<p>(11) Related Projects/Programs (IISP, IDTO, PTSL, SAL, Others)</p> <p>1)</p>	
<p>(12) Pre-Requirements</p> <ul style="list-style-type: none"> 1) Turnover requirements, procedure, approval conditions, and administration forms were ready at Kabupaten/Municipal GOI Agency responsible for irrigation, and were disseminated as well among Water Users. 2) O&M calculation formula was defined and appropriate examples were socialized as well among WUA/WUAFs 3) Standard O&M activities were formulated and field tested and socialized as well among WUA/WUAF in the Kabupaten and Municipals 4) Task allocation among GOI/GOI Agencies and Water Users was formulated and socialized 5) WUA/WUAF for proposed training were (re)organized democratically 6) AD/ART was (re)formulated with the members and legalized by the WUA/WUAF General Assembly 	
<p>(13) Risks & sensitivities</p>	
<p>(14) Special Remarks</p>	

Supporting Information of 5) Activities of (3) Program Targets and Monitoring : Training of WUAs' Leaders

Activities	Expected result	By Farmers / WUA	By Local Govt	By Central Govt	Consulting Team	CO Managing Team*)
1 Need assessment for training of 11 Preparation of instrument 12 Data collection and analysis	Identified need of WUA	V	V		TA	TA
2 Training designing 21 Preparation of training design 22 Production of materials and learning aids	Adequate training design and prepared materials concerning both WUA and O&M managements		V		TA	TA
3 Training implementation 31 In-class training 32 Field (on-the-job) training 33 Workshop for draft WUA and	Ability of WUAs' leaders to produce draft WUA and O&M management Plan	V	V		TA	TA
4 Follow up, supervise: WUA/WUAF annual planning & implementation (1) O&M estimate and ISF setting (2) Propose for legal status (3) Propose for local DI turnover (4) Propose for KIIF	Ability of WUAs' leaders to	V	V		TA	TA

Note : Legend of Task Owing

*) acted by Univ/NGO

V : Having authority & responsibility

TA : Technical Assistance

KS : Joint operation

This program is to be implemented after completing "Public Awareness at GOI level & WUA level" in the first year

Implementation Schedule : Training of WUAs' Leaders

Work Descriptions	1st Year												2nd Year											
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
1 Need assessment													■	■										
2 Training designing													■	■										
3 Training implementation (3 trainings@7Dis)													■	■	■									
(1) In-class training													■	■	■									
(2) Field (on-the-job) training													■	■	■									
(3)- Draft Plan making for O&M and WUA management													■	■	■									
4 Follow up:													■	■	■	■								
WUA & O&M annual planning and implementation													■	■	■	■								
(1) O&M estimate and ISF setting													■	■	■	■								
(2) Propose for legal status													■	■	■	■								
(3) Propose for local DI turnover													■	■	■	■								
(4) Propose for KIIF													■	■	■	■								

Note : 1. Both of programs of Public awareness and training of WUA leaders proposed here are intending as Pilot Program before commencing nationwide activities

2. This program is to be implemented after completing "Public Awareness at GOI level & WUA level" in the first year

Table SA.5 Start-up Financial Assistance

(1) Activity No. :	Program Name ;	Start Up Assistance for Non WUAs	Category of the Program
(2) Sector :	Irrigation	(3) Expected Implementation Period ; 3 years	Irrigation Scheme, WUA, Others
(4) Target Area / Category	1) Estimated Total Number ;	2) Estimated Total Area ;	
	3) Others		
(5) Program Description			
<p>This activity concerns the provision of institutional and financial assistance for non-WUA start-up operations to cover O&M costs, say for the first two years. In order for non WUAs to gain knowledge and experience of the benefits of proper organisation and legal registration. During this period it is expected that a cash fund (from ISF collections) will accumulate to enable operations to proceed with a positive balance after the project assistance has been removed. The financial assistance could take the form of a subsidy, loan or credit. This programme could be considered as a counter measure to the KIIF programme that essentially selects and assists the best thereby discriminating against those WUAs with real problems. A needs based budget (AKNOP) will be prepared as part of this assessment.</p>			
(6) Executing agencies/institutions, their roles, present conditions & required strengthening			
<p>1) <u>Field level</u> : Only non WUAs will qualify for project assistance. A non WUA condition is that found in a village or irrigation scheme where, a) formation of WUA has not yet taken place; b) in a formed but not functioning WUA; c) in a formed but not properly (legally) registered WUA. Any field condition described above will qualify for assistance through the PTGA to Dinas under this project. The request for assistance must however come from the field.</p> <p>2) <u>Kabupaten government</u> PTGA/Dinas PU Dinas should review application and assist with any technical/ organisational aspects if required and explain the details of the assistance available.</p> <p>3) <u>Provincial government</u> PTGA/Dinas PUP make recommendations (or otherwise for request)4) <u>Central government</u></p> <p>4) <u>Central government</u></p>			
(7) Program Background			
<p>1) <u>Current Problems to be addressed by the Program</u> : A majority of irrigation schemes operate under conditions of improperly functioning or formed WUAs. The KIIF project will initially therefore discriminate against the majority of the scheme area and if allowed to operate alone will potentially create a significant problem. This problem can be alleviated by the implementation of this programme. If it is not undertaken a potentially serious condition could result.</p> <p>2) <u>Countermeasures already taken</u> : Preparatory work has already begun with the WB KIIF programmes, this imposes time constraints on establishing this countermeasure if it is to be effective.</p> <p>3) <u>Significance and necessary of the Program</u> : The significance of this programme is to try set up assistance pathways whereby the least well developed water users can qualify for assistance packages. Hopefully establishing them into the mainstream of development from where they can then qualify for other assistance (KIIF for example) from non project sources.</p> <p>4) <u>Relation between the Program and national development plan/ policies/instructions</u> : In specific Kabupaten Irrigation Improvement Funds will be established in order to encourage regional government responsibility to ensure efficient maintenance. This programme should be initially set up in parallel with the KIIF programme before being expanded into larger numbers of provinces.</p>			
(8) Program Targets and Monitoring			
<p>1) <u>Overall Goal</u> : To produce a more equitable condition of development at the field. To improve WUA capability and organisation.</p> <p>2) <u>Proposed performance indicators to assess results at the target level</u> : Adoption of systematic approach and methodology, time involved to complete the individual task, presentation, clarity, decision making processes, implementation times, and performance supervision, can all be used as performance indicators but the number of non WUA converted to Active WUAs, the cost indicators and numbers of farmers involved will be the easiest way to assess the progress of the project.</p> <p>3) <u>Output</u> : Quick, effective and accurately costed reporting, relevant to existing field condition</p> <p>4) <u>Proposed performance indicators to assess achievements at the outputs level</u> : Request compilation, field inspection and reporting, cost evaluation, negotiation and discussions</p> <p>5) <u>Activities</u> : See Supporting Information</p> <p>6) <u>Assumptions</u> : that non WUAs, following awareness exposure will motivate themselves to make the initial approaches and applications to the PTGA/ or Dinas. It is quite possible that government staff will require some awareness training as well.</p>			
(9) Program Inputs			
<p>1) <u>Budget allocation plan throughout the Program period</u> Allocation of government staff would be provided for under the annual general budgets. A limit set by IMB is RP 100 million per kabupaten /year is provided for KIIF. As it is proposed that this programme should be a parallel one then the same costs should be allowed for. Even though the cost for Start-Up are no where as heavy as the costs for irrigation improvement the numbers of applicants could well be much larger and compensate for the cost demands in this manner.</p> <p>2) <u>Staff allocation plans and technical after achievement of overall goal</u> The allocation of government staff would have to be on the basis of the demand and capability. It is expected that project would support the government agencies to the limit of one local consultant per province</p> <p>3) <u>Provisional equipment/ Materials</u> Initially it is expected that local offices, local transport and accommodation for local consultants will be available, after this period it is expected that the mechanism tested under the pilot trails will be run entirely by the 'joint management' between local government and the developing WUA available after legal registration..</p>			

to be continued

continued

(10) Program Benefits & Impacts	
1) <u>Direct beneficiaries & their numbers during the program implementation:</u> Local & Central Govt: Local government personnel should benefit from formal and OJT	
2) <u>Direct beneficiaries & their numbers after achievement of overall goal:</u> Following implementation the non-WUAs should benefit from improved irrigation systems, in addition to which some of their representatives will have received training.	
3) <u>Indirect benefits:</u> A methodology would be required that could be easily replicated in other provinces. A clear set of criteria and operational guideline tested under field conditions would be expected. It is hoped that the successful implementation of this programme would upgrade the general field condition and help stabilise water user groups.	
(11) Related Projects/Programs (ISP, IDTO, PTSL, SAL, Others)	
1) IDTO will soon start a programme of work to determine procedures and guidelines. This programme the 'non WUA' programme would start by reviewing these and making their own guidelines as soon as possible.	
(12) Pre-Requirements	
1) WUA's should be non functional, not be registered or not have a 'joint agreement' with Kabupaten Dinas PU in order to take part under this programme	
(13) Risks & sensitivities	
1) This programme, if not couched in the correct terms, could run the risk of becoming a magnet for all the WUA failures who are seeking more handouts. Therefore care would have to be taken to check the background to requests originating in the field and a methodology for doing this would have to be made early on in the project life. Conversely genuine requests must be recognised and encouraged.	
(14) Special Remarks	
1) This programme is constructed as a 'safety net' to balance the effects of potentially 'lopsided' development.	

Supporting Information of 5 Activities of 3 Program Targets and Monitoring :

Start Up Assistance for Non WUAs

Activities	By Farmers / WUA	By Local Govt	By Central Govt	By Consultant
1. Countrywise Program Management			V	
Program area selection		V	BU	I
Detailed schedule provision		V	BU	I
Preparataion for Administration Side :		V	BU	
a. Local govt internal socialization		V		
b. Targets & Task allocation setting-up		BU		I
c. Detailed schedule provision		BU		I
d. Staff evaluation criteria setting-up		BU		I
Preparation for FWUA side :		V	BU	
Community level socialization				I
M&E reference points setting-up		V	BU	I
2. Program Implementation		V	BU	
Program Awareness	KM	V	BU	I
PTGA / Dinas Kimpraswil Training		V	BU	I
Conduct participatory planning		V	BU	I
Need Base Budget Estimation (AKNOP)	I	V		BU
Application & Set-Up for Implementation	KS	KS		
3. Program Evaluation			V	
Accomplishment Evaluation	KS	KS		
Lesson Abstraction	KS	KS		
Accomplishment Announcement		I		
Awarding contributors	KS	KS		
Summarizing follow-up measures	KS	KS	KS	

Note : Legend of Task Owning

V : Having authority & responsibility

BU: providing guidance/assistance/backup

KS : Joint operation

I : Implementor

KM : Partnership

This program shall be commenced after making certain accomplishment of WUA potential block identification, say to 60%.

Several program units are to be scattered and implemented in parallel, within the available budget

Schedule shown in the above is for one program unit.

Progresses of program shall be published and awarding contributors to raise competitive minds

Table SA.6 Formation/ reformation of WUA(s), GWUAs and IWUAs

(1) Activity No. :	Program Name ;	Formation / re-formation of WUA(s) and WUAF	Category of the Program
(2) Sector :	Irrigation	(3) Expected Implementation Period ;	5 years WUA
(4) Target Area / Category	1) Estimated Total Number ;	120,000 WUAs	2) Estimated Total Area ;
3) Others	total number of irrigation scheme is 19,000		
(5) Program Description			
<p>Formation and re-formation of WUAs and WUAFs as it was found that almost WUAs and WUAFs were not effective organisation due to improper establishment. Farmers do not have common bond with WUA as they never participate in its formation. Re-formation of WUA to become organisation representing its members is a basis for further empowerment and also basis for irrigation management turnover.</p>			
(6) Executing agencies/institutions, their roles, present conditions & required strengthening			
<p>1) <u>Field level</u> : Sub-district offices staff of irrigation service, agriculture service, cooperative, rural community development (PMD), 'kecamatan' etc.</p> <p>2) <u>Kabupaten government</u> : idem as field level but in kabupaten level to train field staff</p> <p>3) <u>Provincial government</u> : idem as field level but in provincial level to provide backup for training activity</p> <p>4) <u>Central government</u></p>			
(7) Program Background			
<p>1) <u>Current Problems to be addressed by the Program</u> : Shortage of budget for public awareness, training and joint / participatory management.</p> <p>2) <u>Countermeasures already taken</u> : non for the irr. schemes beyond JIWMP/IDTO and FMIS projects</p> <p>3) <u>Significance and necessary of the Program</u> : It is basic component for irrigation management turnover</p> <p>4) <u>Relation between the Program and national development plan/ policies/instructions</u> : Implementation of Irrigation Management Policy Reform</p>			
(8) Program Targets and Monitoring			
<p>1) <u>Overall Goal</u> : To obtain basic component of irrigation management turnover</p> <p>2) <u>Proposed performance indicators to assess results at the target level</u> : WUA re-formation</p> <p>3) <u>Output</u> : WUA re-formation</p> <p>4) <u>Proposed performance indicators to assess achievements at the outputs level</u> : WUA ready to receive turnover</p> <p>5) <u>Activities</u> : See Supporting Information</p> <p>6) <u>Assumptions</u> : all irrigation schemes is having WUA to be re-formed</p>			
(9) Program Inputs			
<p>1) <u>Budget allocation plan throughout the Program period</u></p> <p>2) <u>Staff allocation plans and technical after achievement of overall goal</u></p> <p>3) <u>Provisional equipment/ Materials</u></p>			
(10) Program Benefits & Impacts			
<p>1) <u>Direct beneficiaries & their numbers during the program implementation</u>: farmers and local government</p> <p>2) <u>Direct beneficiaries & their numbers after achievement of overall goal</u>: farmers and local government</p>			
(11) Related Projects/Programs (IISP, IDTO, PTSL, SAL, Others)			
<p>1) Other projects : JIWMP/IDTO, FMIS</p>			
(12) Pre-Requirements			
<p>1) WUA inventory</p>			

**Supporting Information of 9 Activities of (3) Program Targets and Monitoring :
Formation / re-formation of WUA(s) and WUAF**

Activities	By Farmers / WUA	By Local Govt	By Central Govt	By Consultant
1. WUA data and inventory		I	V	BU
2. WUA priority list		I	V	BU
3. Training Kabupaten Govt. field staff			V	BU
4. Public awareness		I	V	BU
5. Election of farmers representatives	V	BU	BU	
6. Farmers representatives request guidance to Kabupaten Govt.	V	BU		
7. Training of farmers representatives		I	V	
8. Carry out PRA (Participatory Rural Appraisal) to collect informations relating to aspects of WUA formation and development	V	BU	BU	
9. Series of farmers meeting to form WUA.	V	BU		
10. Legalisation of WUA	V	BU	BU	
11. Series of official WUA training	BU	I	V	BU
12. Implementation of tertiary system management	V	BU	BU	
13. Series of meetings of WUAs officials to discuss WUAF formation	V	BU	BU	
14. Legalisation of WUAF	V	BU	BU	BU
15. Series of training of officials of WUAF	BU	I	V	BU
16. Contracted rehabilitation works to WUAF	I	BU	V	BU
17. Joint Management of irr. System	KS	BU	KS	BU

Note : Legend of Task Owing

V : Having authority & responsibility

KS : Joint operation

BU: providing guidance/assistance/backup

KM : Partnership

I : Implementor

Implementation Schedule :

Work Descriptions	1st Year	2nd Year	3rd Year	4th Year	5th Year
1 WUA data and inventory	■■■■■				
2 WUA priority list	■■■■■				
3 Training Kabupaten Govt. field staff	■■■■■				
4 Public awareness	■■■■■				
5 Election of farmers representatives	■■■■■				
6 Farmers representatives request guidance to Kabupaten Govt.	■■■■■				
7 Training of farmers representatives	■■■■■				
8 Carry out PRA (Participatory Rural Appraisal) to collect informations relating to aspects of WUA formation and development	■■■■■				
9 Series of farmers meeting to form WUA.	■■■■■				
10 Legalisation of WUA	■■■■■				
11 Series of official WUA training	■■■■■				
12 Implementation of tertiary system management	■■■■■				
13 Series of meetings of WUAs officials to discuss WUAF formation		■■■■■			
14 Legalisation of WUAF		■■■■■			
15 Series of training of officials of WUAF		■■■■■			
16 Contracted rehabilitation works to WUAF		■■■■■			
17 Joint Management of irr. System			■■■■■		

Table SA.7 Kabupaten Irrigation Improvement Fund

(1) Activity No. :		Program Name ;	Assist WUAs to Prepare Proposals for Kabupaten Irrigation Improvement	Category of the Program
(2) Sector :	Irrigation	(3) Expected Implementation Period ;	2 years	Irrigation Scheme, WUA, Others
(4) Target Area / Category	1) Estimated Total Number ;	2) Estimated Total Area ;		
	3) Others			
(5) Program Description	<p>In accordance with WATSAL proposals, Irrigation Improvement Funds will be established in order to encourage regional government responsibility to ensure efficient maintenance works and prevention of costly rehabilitation investments. This would establish a matching reciprocity for WUUA contributions to their own capital reserve funds. These funds which will be available to WUAs/IP3A on a basis of 'first come first served' are to cover the main cost of rehabilitation and may not be used for tertiary works. This project is work out methodologies, guidelines and criteria for selection before the system is handed over to the local government to run and operate.</p>			
(6) Executing agencies/institutions, their roles, present conditions & required strengthening	<ol style="list-style-type: none"> 1) <u>Field level</u> : WUAs, GWUAs and IP3A these organisations ask for assistance in formulating their request for KIF 2) <u>Kabupaten government</u> PTGA/ Dinas PU Field inspections and 'walk through' will be necessary before data is available for reporting; the 'walk through' should follow the inventory. 3) <u>Provincial government</u> PTGA/ Dinas PUP a 'joint management agreement' will be necessary to formalise the relationship between the local government and the body making the application.. Retains a monitoring function 4) <u>Central government</u> 			
(7) Program Background	<ol style="list-style-type: none"> 1) <u>Current Problems to be addressed by the Program</u> : This activity is to assist WUAs to prepare proposals for Kabupaten Irrigation Improvement Funds for maintenance and rehabilitation priority programs. The proposals should include full details on designs, the work required, drawings, cost estimates, and the matching contributions to be made by the WUUA (in cash, labour, provision of materials, etc). The greater the contribution from farmers either financially or in kind (labour and materials) or both, the more likely that the proposal will be granted financial assistance. Monies would be disseminated through the existing KDT pathways. This activity is to develop procedures and guidelines for assessing proposals from WUAs for financial assistance from the Kabupaten Irrigation Improvement Funds (Activity 4.5.5), and for disbursing the funds and monitoring fund utilisation and repayment. 2) <u>Countermeasures already taken</u> : Already formulated by WB to be implemented in the IDTO Provinces 3) <u>Significance and necessary of the Program</u> : To set up the mechanisms for the WUAs to obtain a source of funds to carry out maintenance and repair on secondary canals and structures 4) <u>Relation between the Program and national development plan/ policies/structions</u> : Once the WUUA organizations have been involved in preparing, designing, constructing, contributing and supervising the rehabilitation work, there should be an improved 'sense of ownership' of the irrigation scheme. 			
(8) Program Targets and Monitoring	<ol style="list-style-type: none"> 1) <u>Overall Goal</u> : Maintenance and rehabilitation of irrigation systems with transpar 2) <u>Proposed performance indicators to assess results at the target level</u> : Amount requested, amount dispersed, achievement recorded on the ground, length of canal involved, type of structure maintained. Numbers of homesteads involved. Production cycles sustained. 3) <u>Output</u> : Efficient operating irrigation systems 4) <u>Proposed performance indicators to assess achievements at the outputs level</u> : Request compilation, field inspection and reporting, cost evaluation, negotiation and discussion, contract formulation, bid evaluation, contract supervision 5) <u>Activities</u> : See <i>Supporting Information</i> 5) <u>Assumptions</u> : that WUAs, Gabungans or Induks (with assistance from local government staff) do not already have the capability to carry out these actions themselves and require help to complete these tasks with authority 			
(9) Program Inputs	<ol style="list-style-type: none"> 1) <u>Budget allocation plan throughout the Program period</u> Government assistance will be provided under the general annual budget. Local consultants will be required on the basis of at least one consultant per province 2) <u>Staff allocation plans and technical after achievement of overall goal</u> This will be on the basis of individual Kabupaten and the local area demand for these funds. It will be directly influenced by the awareness programmes that are run in conjunction with this work 3) <u>Provisional equipment/ Materials</u> Local area offices and local staff, the provision of local housing and transport for consultant staff. Physical works would be carried out by a responsible contractor, whose responsibility would include the provision of works equipment 			
(10) Program Benefits & Impacts	<ol style="list-style-type: none"> 1) <u>Direct beneficiaries & their numbers during the program implementation</u> Local government would benefit from being involved with their farmers as well as directly benefiting from improved economies within their LGA. 2) <u>Direct beneficiaries & their numbers after achievement of overall goal</u> 12 Provinces fall within the Pilot area. The number of beneficiaries will depend on the numbers of successful applications made 3) <u>Indirect benefits</u> : The injection of substial funds into the local economy. Stronger local economies will be expected. Traders should benefit and market growth should be noticeable 			
(11) Related Projects/Programs (IISP, IDTO, PTSL, SAL, Others)	<ol style="list-style-type: none"> 1) IDTO and KDF could run related mechanisms 2) KDF 			
(12) Pre-Requirements	<ol style="list-style-type: none"> 1) Registration of the WUAs/Gab WUAs in terms of articles of association (AD/ART) giving the company the right to a formal bank account, to make legal applications for credit, and loans. 2) A matching fund provided by the applicant is expected. Initially this is not expected to exceed 20% of total allocated 			
(13) Risks & sensitivities	<ol style="list-style-type: none"> 1) That certain numbers of qualifying WUAs/IP3A will after rejection of a plan be discouraged from applying a second time 			
(14) Special Remarks	<ol style="list-style-type: none"> 1) This proposed scheme (system) is based on the selection of the strong and consequent rejection of the weak. It stands the possibility of creating a dual class irrigation system whereby the best organised and managed systems are assisted by local government and made stronger, while the weakest are not assisted at all. There could be a lesson to be learnt here about the, "weakest link in the chain" 			

**Supporting Information of 9) Activities of (8) Program Targets and Monitoring :
Assist WUAs to Prepare Proposals for Kabupaten Irrigation Improvement**

Activities	By Farmers / WUA	By Local Govt	By Central Govt	By Consultant
1. Countrywise Program Management			V	
Program area selection		V	BU	I
Detailed schedule provision		V	BU	I
Preparation for Administration Side :		V	BU	
a. Local govt internal socialization		V		
b. Targets & Task allocation setting-up		BU		I
c. Detailed schedule provision		BU		I
d. Staff evaluation criteria setting-up		BU		I
Preparation for WUA side :		V	BU	
Community level socialization				I
M&E reference points setting-up		V	BU	I
2. Program Implementation		V	BU	
Program Awareness	KM	V	BU	I
PTGA / Dinas Kimpraswil Training		V	BU	I
Conduct participatory planning		V	BU	I
Need Base Budget Estimation (AKNOP)	I	V		BU
Application & Set-Up for Implementation	KS	KS		
3. Program Evaluation			V	
Accomplishment Evaluation	KS	KS		
Lesson Abstraction	KS	KS		
Accomplishment Announcement		I		
Awarding contributors	KS	KS		
Summarizing follow-up measures	KS	KS	KS	

Note : Legend of Task Owing

V : Having authority & responsibility BU: providing guidance/assistance/backup
KS : Joint operation I : Implementor
KM : Partnership

This program shall be commenced after making certain that at about 60% of the WUA block area is inventoried.

Several program units are to be scattered and implemented in parallel, within the available budget

Schedule shown in the above is for one program unit.

Progresses of program shall be published and awarding contributors to raise competitive minds

Difference with "Start-Up Financial Assistance" is for "Non-WUA area", while this program is for "Already federated WUA among (FWUA) ".

Implementation Schedule : Assist WUAs to Prepare Proposals for Kabupaten Irrigation Improvement

Work Descriptions	1st Year												2nd Year												3rd Year											
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
1. Countrywise Program Management	████████████████████																																			
Program area selection	██	██																																		
Detailed schedule provision			██	██																																
Preparation for Administration Side :					██	██																														
a. Local govt internal socialization					██	██																														
b. Targets & Task allocation setting-up					██	██																														
c. Detailed schedule provision					██	██																														
d. Staff evaluation criteria setting-up					██	██																														
Preparation for WUA side :					██	██																														
Community level socialization					██	██																														
M&E reference points setting-up					██	██																														
2. Program Implementation	████████████████████												████████████████████												████████████████████											
Program Awareness					██	██																														
PTGA / Dinas Kimpraswil Training					██	██																														
Conduct participatory planning					██	██																														
Need Base Budget Estimation (AKNOP)					██	██																														
Application & Set-Up for Implementation					██	██																														
3. Program Evaluation																									████████████████████											
Accomplishment Evaluation																									██											
Lesson Abstraction																									██											
Accomplishment Announcement																									██											
Awarding contributors																									██											
Summarizing follow-up measures																									██											

Note : Difference with "Start-Up Financial Assistance" is for "Non-WUA area", while this program is for "Already federated WUA among (FWUA) ".

One program unit might be 3 years, including half year preparation and evaluation which will be owed by the central govt.

Several program units are to be scattered and implemented in parallel, within the available budget

Schedule shown in the above is for one program unit.

Table SA.8 Improved O&M and Joint Management

(1) Activity No. :	Program Name ;	Improved O&M and Joint Management	Category of the Program
(2) Sector :	Irrigation	(3) Expected Implementation Period ;	5 year Irrigation Scheme, WUA, Others
(4) Target Area / Category	1) Estimated Total Number ;	2) Estimated Total Area ;	
3) Others			
(5) Program Description			
<p>Technical and community level support provided to newly formed or re-formed WUA, during the transitional period. Assistance provided to allow WUAs to enter into Joint Management agreements, whereby Govt and the WUAs, devise a plan identifying each party's responsibilities and the financial implications for both sides. WUAs would learn to identify and request their needs, and Govt would improve its capability to respond</p>			
(6) Executing agencies/institutions, their roles, present conditions & required strengthening			
<p>1) <u>Field level</u> : Sub-district irrigation office staff, PPL s to provide field level guidance</p> <p>2) <u>Kabupaten government</u> : Irrigation, Agricultural Office staff, providing technical assistance co-ordinating through the Kabupaten Coordinated WUA Support Forum</p> <p>3) <u>Provincial government</u> :</p> <p>4) <u>Central government</u></p>			
(7) Program Background			
<p>1) <u>Current Problems to be addressed by the Program</u> : Past WUA formation efforts, using top-down approach, has been fairly unsuccessful, and has resulted in many non or poorly functioning WUAs, which have been unable to take on the new Govt policies, related to system turnover.</p> <p>2) <u>Countermeasures already taken</u> : Govt has put much of the legislation in place and attempts have already been made to test the acceptance of similar measures to those proposed in this Program, in the field</p> <p>3) <u>Significance and necessary of the Program</u> : Govt cannot afford to continue to support the irrigation sector as it has done previously. The only real option is for farmers to form themselves into management units, who can then take on the new responsibilities. This activity is required to assist the WUA during their development period.</p> <p>4) <u>Relation between the Program and national development plan/ policies/instructions</u> : The program will attempt to put into practice national policies, and is completely in line with these.</p>			
(8) Program Targets and Monitoring			
<p>1) <u>Overall Goal</u> : To maximise the number of WUAs which will be capable of participating in the turnover program & maximising their contribution to O&M</p> <p>2) <u>Proposed performance indicators to assess results at the target level</u> : Hectares of irrigated turned-over land.</p> <p>3) <u>Output</u> : Maximum number of fully functional WUA</p> <p>4) <u>Proposed performance indicators to assess achievements at the outputs level</u> : Use of recommended M&E methodology ranking system.</p> <p>5) <u>Activities</u> : See Supporting Information</p> <p>6) <u>Assumptions</u> :</p>			
(9) Program Inputs			
<p>1) <u>Budget allocation plan throughout the Program period</u> : Funds required to support existing Govt staff in providing technical assistance to WUAs. Mostly related to travel and accommodation. Funds to cover O&M subsidies to participating schemes.</p> <p>2) <u>Staff allocation plans and technical after achievement of overall goal</u> : Field and Kabupaten staff, irrigation, required to undertake training and be available to respond to technical assistance requests. System walk throughs, O&M budget planning, Book keeping</p> <p>3) <u>Provisional equipment/ Materials</u> : Transport, survey equipment,</p>			
(10) Program Benefits & Impacts			
<p>1) <u>Direct beneficiaries & their numbers during the program implementation</u> : All Govt and NGO staff receiving training and WUA exposure</p> <p>2) <u>Direct beneficiaries & their numbers after achievement of overall goal</u> : Most farmers, and particularly WUA officers, in the WUA where the program operates</p> <p>3) <u>Indirect benefits</u> :</p>			
(11) Related Projects/Programs (ISP, IDTO, PTSL, SAL, Others)			
(12) Pre-Requirements			
<p>1) Govt level Public awareness campaigns</p> <p>2) WUA level Public Awareness campaigns</p> <p>3) Govt staff training</p> <p>4) WUA formation/reformation</p>			
(13) Risks & sensitivities			
<p>1) Past attempts to create viable WUA have been fairly unsuccessful – whilst the proposed approach is considered to be an improvement on the old, there are considerable risks that the number of viable WUA will be relatively few.</p>			
(14) Special Remarks			
1)			

Table SA.9 Collection of ISF and Government Support

(1) Activity No. :	Program Name ;	Collection of ISF and Government Support	Category of the Program
(2) Sector :	Irrigation	(3) Expected Implementation Period ;	5 years Irrigation Scheme, WUA, Others
(4) Target Area / Category	1) Estimated Total Number ;	2) Estimated Total Area ;	
3) Others			
(5) Program Description			
This activity is a specific sub-activity of the general Improved O&M and Joint Management Activity, which will concentrate on assisting WUAs to make them capable of preparing needs-based-budgets, performing system walk-throughs, setting water charges, collecting water charges, financing O&M activities, dealing with the numerous problems which can arise in relation to these issues, negotiating the joint management agreement between WUA and Govt.			
(6) Executing agencies/institutions, their roles, present conditions & required strengthening			
1) <u>Field level</u> : Sub-district irrigation office staff			
2) <u>Kabupaten government</u> : Irrigation Office staff, providing technical assistance co-ordinating through the Kabupaten Coordinated WUA Support Forum			
3) <u>Provincial government</u> :			
4) <u>Central government</u>			
(7) Program Background			
1) <u>Current Problems to be addressed by the Program</u> : Past O&M charge projects have not been successful – a new approach is required.			
2) <u>Countermeasures already taken</u> : Govt has put much of the legislation in place and attempts have already been made to test the acceptance of similar measures to those proposed in this Program, in the field.			
3) <u>Significance and necessary of the Program</u> : Govt cannot afford to continue to support the irrigation sector as it has done previously. The only real option is for farmers to form themselves into management units, who can then take on much of the financial responsibilities. This activity is required to assist the WUA during their development period.			
4) <u>Relation between the Program and national development plan/ policies/instructions</u> : The program will attempt to put into practice national policies, and is completely in line with these.			
(8) Program Targets and Monitoring			
1) <u>Overall Goal</u> : To maximise the number of WUAs which are capable of preparing realistic O&M budgets, of collecting the fee from the water users, and disbursing the funds efficiently. The net result should be reduced Govt subsidies and improved irrigation systems.			
2) <u>Proposed performance indicators to assess results at the target level</u> : Records of successful WUAs – Reductions in Govt O&M budgets.			
3) <u>Output</u> : Maximum number of functional WUA			
4) <u>Proposed performance indicators to assess achievements at the outputs level</u> : Use of recommended M&E methodology ranking system			
5) <u>Activities</u> : See Supporting Information			
6) <u>Assumptions</u> :			
(9) Program Inputs			
1) <u>Budget allocation plan throughout the Program period</u> : Funds required to support existing Govt staff in providing technical assistance to WUAs. Mostly related to travel and accommodation. Funds to cover O&M subsidies to participating schemes.			
2) <u>Staff allocation plans and technical after achievement of overall goal</u> : Field and Kabupaten staff, irrigation, required to undertake training and be available to respond to technical assistance requests. System walk throughs, O&M budget planning, Book keeping			
3) <u>Provisional equipment/ Materials</u> : Transport, survey equipment,			
(10) Program Benefits & Impacts			
1) <u>Direct beneficiaries & their numbers during the program implementation</u> : All Govt and NGO staff receiving training and WUA exposure. Most farmers, and particularly WUA officers, in the WUA where the program operates			
2) <u>Direct beneficiaries & their numbers after achievement of overall goal</u> : Govt's budget is reduced as farmers take on more responsibilities, and the need for rehabilitation is reduced. Farmers, hopefully, will be able to recover the additional O&M costs they have to bear from increased productivity.			
3) <u>Indirect benefits</u> : Reduced reliance on Govt.			
(11) Related Projects/Programs (IISP, IDTO, PTSL, SAL, Others)			
(12) Pre-Requirements			
1) Govt level Public awareness campaigns			
2) WUA level Public Awareness campaigns			
3) Govt staff training			
4) WUA formation/reformation			
(13) Risks & sensitivities			
1) Past attempts to collect water charges have been very unsuccessful – the proposed approach is considered to be a major improvement on the old, and as long as the other aspects of sustainable WUA formation can be achieved, there is a considerable chance that O&M collection rates will improve, although it is unlikely that many schemes will achieve the ideal levels.			
(14) Special Remarks			

**Supporting Information of 5) Activities of (3) Program Targets and Monitoring :
Collection of ISF and Government Support**

Activities	By Farmers / WUA	By Local Govt	By Central Govt	By Consultant
1) System confirmation with walk-through	KS	V, KS	BU	
2) Co-Cost estimate for system maintaining	KS	V, KS	BU	
3) Cost allocation rule set-up between govt & FWUA	KS	V, KS	BU	
4) Cost allocation rule set-up among WUAs	KS	V, KS	BU	
5) Rule set-up for ISF collection / disbursement	KS	V, KS	BU	
6) Confirmation of govt assistance	KS	V, KS	BU	

Note : Legend of Task Owning

- V : Having authority & responsibility BU: providing guidance/assistance/backup
 KS : Joint operation I : Implementor
 KM : Partnership

This program is a sub-activity of the general improvement & Joint Management Activities as a part to clarify task allocation between govt & FWUA.

Activities shown in the above requires 1.0 year.

**Implementation Schedule :
Collection of ISF and Government Support**

Work Descriptions	1st Year											
	1	2	3	4	5	6	7	8	9	10	11	12
1. Countrywise Program Management												
System confirmation with walk-through	■	■	■	■	■							
Co-Cost estimate for system maintaining			■	■	■	■	■					
Cost allocation rule set-up between govt					■	■	■	■	■			
Cost allocation rule set-up among WUAs							■	■	■	■	■	
Rule set-up for ISF collection /							■	■	■	■	■	
Confirmation of govt assistance										■	■	■

Note :

This program is a sub-activity of the general improvement & Joint Management Activities as a part to clarify task allocation between govt & FWUA.

Table SA.10 Rehabilitation of Irrigation Systems

(1) Activity No. :	Program Name ;	Rehabilitation of Irrigation Systems	Category of the Program
(2) Sector :	Irrigation	(3) Expected Implementation Period ;	5 years Irrigation Scheme, WUA, Others
(4) Target Area / Category	1) Estimated Total Number ;	2) Estimated Total Area ;	
	3) Others		
(5) Program Description			
<p>Technical assistance would be provided to WUAs to make them capable of preparing proposals for rehabilitation, and funds would be made available to support the implementation of the rehabilitation works, where farmers would be expected to make considerable contributions to the costs.</p>			
(6) Executing agencies/institutions, their roles, present conditions & required strengthening			
<p>1) <u>Field level</u> : Sub-district irrigation office staff, to provide field level guidance</p> <p>2) <u>Kabupaten government</u> : Irrigation Office staff, providing technical assistance co-ordinating through the Kabupaten Coordinated WUA Support Forum</p> <p>3) <u>Provincial government</u> :</p> <p>4) <u>Central government</u></p>			
(7) Program Background			
<p>1) <u>Current Problems to be addressed by the Program</u> : Past experience has been that schemes have been rehabilitated too often, the costs have been excessive, the quality of construction has been poor, farmers have not been involved in the planning, the construction or the financing. Even after rehabilitation there is little</p> <p>2) <u>Countermeasures already taken</u> : The policy of farmer involvement in all aspects of the rehabilitation process has been prepared. The principle of rehabilitation after turnover has been adopted.</p> <p>3) <u>Significance and necessary of the Program</u> : Govt cannot afford to continue to support the irrigation sector as it has done previously. The only real option is for farmers to take on part of the financial responsibility themselves and for the period between rehabilitations to be significantly prolonged.</p> <p>4) <u>Relation between the Program and national development plan/ policies/instructions</u> : The program will attempt to put into practice national policies, and is completely in line with these.</p>			
(8) Program Targets and Monitoring			
<p>1) <u>Overall Goal</u> : To maximise returns to investment in rehabilitation.</p> <p>2) <u>Proposed performance indicators to assess results at the target level</u> : Areas rehabilitated, incremental benefits quantified</p> <p>3) <u>Output</u> : Irrigated areas brought back into good working condition</p> <p>4) <u>Proposed performance indicators to assess achievements at the outputs level</u> : Costs per hectare rehabilitated, incremental improvements in cropped areas and yields.</p> <p>5) <u>Activities</u> : <i>See Supporting Information</i></p> <p>6) <u>Assumptions</u> :</p>			
(9) Program Inputs			
<p>1) <u>Budget allocation plan throughout the Program period</u> : Funds required to support existing Govt staff in providing technical assistance to WUAs. Mostly related to travel and accommodation expenses. Payments to private engineering design companies. Funds, in conjunction with farmers' contributions, for rehabilitation</p> <p>2) <u>Staff allocation plans and technical after achievement of overall goal</u> : Field and Kabupaten staff, irrigation, required to undertake training and be available to respond to technical assistance requests. Hydrological surveys, socio-surveys, infrastructure design, feasibility analysis.</p> <p>3) <u>Provisional equipment/ Materials</u> : Transport, survey equipment,</p>			
(10) Program Benefits & Impacts			
<p>1) <u>Direct beneficiaries & their numbers during the program implementation</u> : All Govt staff receiving training and farmers/WUA staff improving their skills</p> <p>2) <u>Direct beneficiaries & their numbers after achievement of overall goal</u> : Most farmers in the rehabilitated irrigation area.</p> <p>3) <u>Indirect benefits</u> : Improved farmer attitudes towards the care and attention with which they treat their irrigation infrastructure</p>			
(11) Related Projects/Programs (ISP, IDTO, PTSL, SAL, Others)			
1) Northern Sumatra Irrigated Agriculture Sector Project			
(12) Pre-Requirements			
1) Scheme turned over			
(13) Risks & sensitivities			
1) This is a relatively straightforward activity and there is every likelihood that it will meet with considerable degree of success. Problems could arise if insufficient attention is paid to overall project viability.			
(14) Special Remarks			
1)			

**Supporting Information of Activities of (3) Program Targets and Monitoring :
Rehabilitation of Irrigation Systems**

Activities	By Farmers / WUA	By Local Govt	By Central Govt	By Consultant
Problem finding capacity training	KS	V, BU	BU	
Set-Up technical supporting rule from govt	KS	V, BU	BU	
Definition of task allocation in FWUA	KS	V, BU	BU	
Maintain FWUA management method	KS	V, BU	BU	
Set-Up transparent financial management	KS	V, BU	BU	

Note : Legend of Task Owning

V : Having authority & responsibility BU: providing guidance/assistance/backup
 KS : Joint operation I : Implementor
 KM : Partnership

This program is for "Already federated WUA" or "Already matured / self-reliable WUA", aiming their self - independent rehab.

Issues to be raised will vary case-by-case. Hence the activities shown above is just reference as minimum.

The program will be kept in certain long period actually.

**Implementation Schedule :
Rehabilitation of Irrigation Systems**

Work Descriptions	1st Year												2nd Year											
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
Problem finding capacity training	■	■	■	■																				
Set-Up technical supporting rule from govt	■	■	■	■																				
Definition of task allocation in FWUA			■	■	■	■	■																	
Maintain FWUA management method					■	■	■	■	■	■														
Set-Up transparent financial management									■	■	■	■												

Note :

This program is for "Already federated WUA" or "Already matured / self-reliable WUA", aiming their self - independent rehab.

Issues to be raised will vary case-by-case. Hence the schedule shown above is just reference as minimum.

The program will be kept in certain long period actually.

Table SA.11 Enhancement Plan of Agriculture

(1) Activity No. :		Program Name ; Enhancement of Plan on Agriculture	Category of the Program
(2) Sector :	Agriculture	(3) Expected Implementation Period ;	10 years Irrigation Scheme, MUJA, Others
(4) Target Area / Category	1) Estimated Total Number ; whole Indonesia		2) Estimated Total Area ;
3) Others	Farmers and agricultural extension workers(PPL)		
(5) Program Description	<p>This enhancement plan aims at raising income of all farmers mainly in irrigated area through focusing on the following two objectives. Then, agricultural extension is considered as a main tool of realizing the objectives. a) Capacity building of individual farmers and b) Promotion of group activity among farmers</p> <p>As the objectives are going to be realized, farmers in Indonesia could be able to think by their own way and to take action by their own intention in order to improve their welfare.</p>		
(6) Executing agencies/institutions, their roles, present conditions & required strengthening	<p>1) <u>Field level</u> : Farmers and agricultural extension workers (PPL)</p> <p>2) <u>Kabupaten government</u> Kabupaten Dinas Pertanian</p> <p>3) <u>Provincial government</u> Provincial Dinas Pertanian</p> <p>4) <u>Central government</u> Ministry of Agriculture, Agency for Human Resources and Agriculture Development, Center for Agricultural Extension</p>		
(7) Program Background	<p>1) <u>Current Problems to be addressed by the Program</u> : The study team has recognized that all problems shared by Indonesian farmers converge on decreased return from rice farming, though they highly depend on it. Moreover, it has understood that most of them are the problems beyond a control of individual farmers since the major causes, which are decreased rice price and increased production cost, must be basically a matter of Government's economic policy. It is concluded that what farmers can do is only making their effort toward increasing their income mainly through diversifying their products and taking part in marketing and processing. However, insufficient information and capital hamper farmers from taking positive attitude toward the above countermeasures.</p> <p>2) <u>Countermeasures already taken</u> : Agricultural extension service including PPL are decentralization under the regional autonomy</p> <p>3) <u>Significance and necessary of the Program</u> : The enhancement plan addresses to improve farmers' ability to identify and access resources needed, as farmers' needs are going to be multiple, complex and locally specific. Farmers and their groups should be empowered to express their interests and to play active roles in designing farming and/or agri-business plan, implementation and evaluation. An agricultural extension approach in the enhancement plan, therefore, should be on human resources development instead of on technology transfer. PPLs are expected to act as facilitators and information brokers only.</p> <p>4) <u>Relation between the Program and national development plan/ policies/ instructions</u> : National food security and development of agri-business are the main frame of the agriculture. Detailed policies are not clarified yet.</p>		
(8) Program Targets and Monitoring	<p>1) <u>Overall Goal</u> : To increase agricultural income of all farmers.</p> <p>2) <u>Proposed performance indicators to assess results at the target level</u> : Agricultural Census and/or Cost Structure of paddy and Secondary Food crops, BPS</p> <p>3) <u>Output</u> : farmers' confidence and their own initiative could be the most important requirements for the success of any farmer activities on a sustainable basis.</p> <p>4) <u>Proposed performance indicators to assess achievements at the outputs level</u> : Income level that farmers can willing to pay ISF</p> <p>5) <u>Activities</u></p> <p> 1) <u>Reinforcement of agricultural extension system/approach</u></p> <p> a. Implement awareness campaign for local government officials</p> <p> b. Develop new agricultural extension system/approach</p> <p> c. Develop learning materials on new extension approach</p> <p> d. Recruit facilitators</p> <p> e. Train facilitator & PPLs in new agricultural extension approach</p> <p> f. Rearrange organizational setup of agricultural extension</p> <p> g. Develop agricultural extension partnership network</p> <p> 2) <u>Enhancement of individuals</u></p> <p> a. Aware and understand new agricultural extension approach</p> <p> b. Identify potential of individual farmers</p> <p> c. Make annual farming plan of individual farmers</p> <p> d. Identify resources (inputs) needed and contact to partners who provide them</p> <p> e. Implement farming</p> <p> f. Monitor/evaluate implementation against target planned</p> <p> a. Aware and understand necessity of group activity</p> <p> b. Identify potential of community</p> <p> c. Make agri-business plan by group activity</p> <p> d. Identify resources (inputs) needed and contact to partners who provide them</p> <p> g. Implement agri-business</p> <p> h. Monitor/evaluate implementation against target planned</p> <p> 3) <u>Formulate permanent farmer group(s)</u></p> <p>5) <u>Assumptions</u> :</p>		

to be continued

continued

(9) Program Inputs	
1) <u>Budget allocation plan throughout the Program period</u>	<p>Consultancy service required for the formulation of new agricultural extension system (100MM, during 1.5 years, US\$4million)</p> <p>PPL and facilitators to support PPLs' activity based on the local condition in each DI</p> <p>Preparation of extension materials to PPLs/Facilitators and farmers</p>
2) <u>Staff allocation plans and technical after achievement of overall goal</u>	<p>one PPL at each kecamatan throughtout Indonesia as a information center</p>
3) <u>Provisional equipment/ Materials</u>	<p>extension materials to be distributed</p>
(10) Program Benefits & Impacts	
1) <u>Direct beneficiaries & their numbers during the program implementation:</u>	<p>By empowering individual farmers in planning farming and/or agri-business, implementation and evaluation by themselves, so that they can aware their own potential for further steps. By promoting farmers in organizing group activities in agri-business, so that they can aware of the benefits from group activities</p>
2) <u>Direct beneficiaries & their numbers after achievement of overall goal:</u>	<p>all farmers</p>
3) <u>Indirect benefits:</u>	<p>Local residents</p>
(11) Related Projects/Programs	
1) Other projects :	<p>Available to supply accurate info. To realize regional development not available</p>
(12) Pre-Requirements	
1)	
2)	
(13) Risks & sensitivities	
1)	
(14) Special Remarks	
1)	

Implementation Schedule : Enhancement Program on Agriculture

Work Descriptions	1st Year												2nd Year												3rd Year												
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
1) Reinforcement of agricultural extension system/approach																																					
a. Implement awareness campaign for local government official	■	■	■	■																																	
b. Develop new agricultural extension system/approach				■	■	■	■	■	■	■	■	■																									
c. Develop learning materials on new extension approach																																					
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