Table 6.4.1 Public Awareness of Government Policy amongst Government Officials

	§ Assetivity No. :	Program Name	Irrigation-related GOL/	Mitude Change	Category of the Program
G	Sector:	Irrigation	(3) Expected Implementation Period;	6 moths	Irrigation-Scheme, WUA, Others
0	Target Area / Cat	egory 1) Estimated Total	il Number;	2) Estimated Total Area :	
Г	3) Others Indone	sia, Province of West Sumaters and	7 Kabusatens and Municipal included in th	e Study	

(i) Program Description

Carry out participatory need assessment, program designing and implementation to assist the Provincial and Kabupaten/Municipal GOI and inligation-related GOI Agencies ready to conduct Social Preparation program and to facilitate program implementation of inligation policy reform, particularly improvement of intigation management, WUA empowerment and tumover programs. The activities need to address comprehensively GOI Administration system and GOI Officers' attitude change, hence may include both GOI institutional and capacity buildings in the Province and at Kabupaten/Municipal level in particular.

6) Executing agencies Institutions, their roles, present conditions & required strengthening

- 1) Field level : Pengamat/Ranting Pengairan GOI, Kecamatan GOI, and Village GOI (Initiative, Beneficiaries, Participation).
- Kabupaten government, Kabupaten GOI, Bappeda, Dinas Pengairan, <u>Current Problems to be addressed by the Program</u>
 Dinas Pertanian (Initiative, Decision, Action, Funding, Beneficiary)
 Regard with inadequate Government rule and management capacity
- Provincial assessment: a. Provincial GOI, Bappella, Divas Pengairan, Divas Pertanian (Funding, Control, MSE) b. PTGA (Action, Participation, Beneficiary) c. Consulting Company. University. NGO (Technical Assistance)
- Central government:

(7) Program Background

- Current Problems to be addressed by the Program: a). Inadequate GOI Administration sectoral and intersectoral system, b). Inadequate GOI Office and Field management canacitiess, d). Inappropriate GOI Officers' approach and orientation (bur-down, ego-sectoral, target-oriented, project-oriented).
- Countermeasures already taken: a). Issuence of KaluMun Peode correspondingly to regional autonomy laws and regulations, b). Reorganizationization of KaluMun
 601 organizational structure and work mechanism accordingly, c). Limited socialization of linigation Policy Reform, and d) Inclusion of Province and the T Kaluspeten
 and Municipal in JICA Study 2000/2001.
- Significance and recessary of the Program: GOI is the side where the inigation policy reform come from Thus, due to regional autonomy and democratization, GOI preparedness is firstly required for Kabupaten and Municipal prior to Dissemination and Program implementation of inigation policy reform
- 4) <u>Relation between the Program and national development plant policies instructions</u>: This program must be supplementary to the on-going comprehensive GOI project schemes (P3DT, KDP etc.) and supporting for intigation-related program schemes (P3GA, Watsal scheme, Batang Hari scheme, Batang Anai scheme, etc.) under Inpres no. 3/1999 and Laws and Regulations of decentralization and deconcentration.

(I) Program Targets and Monitoring

- Questill Goal : Preparedness of Kab/Mun GOIs and irrigation-related GOI Agencies to disservinate and facilitate adequately implementation of irrigation policy reform as required.
- Proposed performance indicators to assess results at the target level: Readiness of Kalvifutur GOI and related Sector GOI Officers to initiate dissemination as schedulled and facilitate PPI implementation in the included DIs, Kecamatans and Villages on request basis.
- Output: a) Allequate Operation Plans of discernisation and facilitation of PP1 implementation is) Formation of KICF at Kab/Mun level of Applicable materials and toolkits for discernisation and facilitation purposes of PP1 implementation ii) Sufficient financial resources and an arrangement for discernisation and facilitation purposes of PP1 implementation of Adequate number and quality of COs for PP1 implementation ii) Awareness and ability of GOI officer to be highly motivated civil servants.
- 4) Proposed performance indicators to assess achievements at the outputs level; a) Prepared adequate dissemination and facilitation operation-plans of PPI implementation of 7 Kab/Mun at the end of this program is) Prepared applicable dissemination and implementation facilitation set of materials and tool-kits of 7 Kab/Mun at the end of this program c) Sufficient financial resources and arrangements for dissemination and facilitation of PPI implementation of 7 Kab/Mun at the end of this program d) Formation of Kabupaten Imigation Coordination Forum (KICF) of respective Kab/Mun at the end of this program e) Adequate TOT for PTGA and proper PTGA capabilities to train Cost accordingly. () Hired and trained adequate COst managed by Univ/NGO Consulting Team responsible to KICF of 7 Kab/Mun in the end of this program g) Field tested Kab/Mun GOI Officers' ability to be civil servents of 7 Kab/Mun at the end this program.

5) Activities : See Supporting Information

Assumptions: a) Fund is available. It is brigation policy reform is benefiting to water users. c) Task allocation of Central Provincial and Kab/Mun. GOIs and Water Users were finally defined and accepted.

(i) Program Inputs

- 1) Budget allocation plan throughout the Program period
 - Need assessment, Provincial GOI and 7 Kab and Mun GOIs, 1 month, 24 man/month
 - Materials and tool-lits production for dissemination and facilitation of PPI implementation, 2 months, 46 man/month
 - TOT for PTGA and T Kalu/Municipal PTGA Teams, 1 training, 1 week, 30 participant at maximum
 - Recruitment and training for COs, 7 Kalu/Mun, 1 CO/DI, 3 DI priorities per Kalu/Mun (21 COs), 1 week recruitment, 1 week training
 - Initiation of KTCF, 7 Kalv/Mun, meetings for organizational setting and AD/ART formulation (1 week, 7x 21 man/days), 7x1-day Formation Meeting @ 40 attendances, start-up budget for Secretaristic and overhead.
 - In-built consultancies for individual Province and Kabupaten/Municipal GOI and GOI Agencies, KICF and COs for formulation of Discorrination and Facilitation of PPI implementation and activities specified above, 6 month, 48 man/month
 - Overhead, transportation, communication, accommodation
- 2) Staff allocation plans and technical after achievement of overall east; The Consulting Team is demobilized at the end of this program, whereas the Provincial and Kaluffun GOIs and related GOI Agencies, PTGA teams, CO and KICF take actions respectively in according to the formulated discernisation and facilitation Action Plan.
- 3) <u>Provisional equipment/ Meterials</u>, a) Related laws and regulations (Central, Province, Kab/Mun, Kecamatan/Nagari levels) of irrigation policy reform and implementation b) Explanatory sets of irrigation and WUA problems and solutions c) Proposed Action Plan and task allocation under irrigation policy reform d) Financial budget arrangement (approisal, proposal, approval, disbursement requirements and mechanisms) e) Manual, instruments, forms which regard to financial, technical, and GOI administration requirements. 9 Dissemination materials as required for local mass-media (TV, newspaper) and group-media (seminar, meetings, trainings), etc.

To be Continued

Continued

(10) Program Benefits & Impacts

- Direct heneficiaries & their numbers during the program implementation;
 631 Provincial and Kah/Mun Key-leaders)
 Provincial GOI: Parliament 2, Prov GOI 3, Bappeda 3, Dinas Pengairan 3, Dinas Pertanian3, others 5, PTGA 5 = 19 people b) Kah/Mun GOI: 7(Parliament 2, Prov GOI 3, Bappeda 3, Dinas Pengairan 3, Dinas Pertanian3, others 5, PTGA team 4, CO 21, KICF 45) = 588 people
- 2) Direct beneficiaries. 6 their numbers after achievement of overall goal; (similarly to above)
- 3) Indirect benefits: a) Field examination of regional autonomy GOI reorganization x imigation task allocation into practice b) Universities and NGO hired for Consulting Team at Kala/Mun level managing the Cos = Headquarter 3, Kala/Mun offices Tx3 = 24 people

[11] Related Projects/Programs (IISP, IBTO, PTSL, SAL, Others)

1) Other projects: Available to supply accurate info. To realize regional development

[12] Pre-Requirements

1) Reorganization and redefinition of Provincial and Kalamtun GOIs was completed and workable, 2) Competent Consulting Agency is available to execute this program. 3) COIs were recruited on minimum S1+3 year-rural community experience basis. 4) Priority is given to 3 DIs per Kalaupaten Municipal at maximum due to a screening criteria.

[13] Risks & sensitivities

[14] Special Remarks

Implementation Schedule: Irrigation-related GOI Attitude Change

Work Descriptions	I^-	1st Year										2nd Year												
work Descriptions	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 to capacity & attitude change		-																						_
2 Planning of Dissemination & facilition of PPI	T			-	•		·																	
3 Production of dissemination & facilitation materials	1	-	_			•	-	Ī		•											1		Ī	•••••
4 Workshop & training for local GOI attitude change	Ţ	-	:		·····	—	•															:		
5 Initiation of Kab Irrigation Coord Forum (KICF)	1	Ī							-												Ī			•••••
- Formation and legalization	Ţ	-	_	-	•		·		:															
- Guide/criteria of start-up fund to WUA	1	-			į	:	-	Ī		:													Ī	•••••
- Guide/procedure of application of KIIF	Ť	-	:		· •		:		·····	-												:		
6 Training for PTGA	1	Ī		:				: :		<u> </u>											Ī		-	•••••
7 Recruitment and Training of COs	Ť		·····		:			:																
	1	:		:	:	:		:		; :													Ī	•••••

- 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

Supporting Information of 9 Activities of (9 Program Targets and Monitoring : Irrigation related 601 Attitude Change

Activities Expected result By Farmers J WUUA. By Local Govt Govt Consulting Team Team*) 1 Need assessment of local Govt capacity and attitude change of PPI implementation Govt capacity and attitude change Team*) 2 Formulation of local Govt Plan for Dissemination and Excilitation PIPI implementation Implementation 3 Material productions of Dissemination and Facilitation and Facilitation for PPI implementation (I) Applicable methods and exaterials for Dissemination (Q) Applicable manuals and Consulting Consulting Consulting Consulting Team*) To Tailly Consulting Consulting Consulting Consulting Consulting Team*)		er å neasnes er (å Fregram Far)		ing . migas		
atitude change for PPI implementation Govt capacity and attitude change 2 Formulation of local Govt Plan for Local Govt Discernination 8 V TA Discernination and Facilitation of PPI implementation implementation 3 Material productions of Discernination and (I) Applicable methods and resterials Facilitation for PPI implementation (I) Applicable methods and resterials for Discernination of PPI implementation (I) Applicable manuals and	Activities	Expected result		By Local Govt		
2 Formulation of local Govt Ptan for Local Govfs Dissemination 8 V TA Dissemination and Facilitation of PPI Facilitation Plan of PPI implementation 3 Material productions of Dissemination and (1) Applicable methods and materials Facilitation for PPI implementation for Dissemination of PPI implementation (2) Applicable manuals and	1 Need assessment of local Govt capacity and	Prioritization and scheduling of local		v	TA	
Dissemination and Facilitation of PPI Facilitation Plan of PPI implementation 3 Material productions of Dissemination and (I) Applicable methods and materials V TA Facilitation for PPI implementation for Dissemination of PPI implementation (2) Applicable manuals and	attitude change for PPI implementation	Govt capacity and attitude change				
implementation implementation 3 Material productions of Dissermination and (1) Applicable methods and resterials Facilitation for PPI implementation for Dissermination of PPI implementation (2) Applicable manuals and	2 Fermulation of local Govt Plan for	Local Govt's Dissemination &		V	TA	
3 Material productions of Dissemination and Facilitation for PPI implementation for Dissemination of PPI implementation (2) Applicable manuals and	Dissemination and Facilitation of PPI	Facilitation Plan of PPI				
Facilitation for PPI implementation for Dissemination of PPI implementation (2) Applicable manuals and	implementation	implementation				
implementation (2) Applicable manuals and	3 Material productions of Dissemination and	(1) Applicable methods and materials		v	TA	
(2) Applicable manuals and	Facilitation for PPI implementation	for Dissemination of PPI				
14. 14. 14. 14. 14. 14. 14. 14. 14. 14.		implementation				
administration our imposests for DDI		(2) Applicable manuals and				
auminication requirements for PP1		administration requirements for PPI				
implementation		implementation				
4 Changing local Govt Officers' attitude for (I) Formulated local Govt Officers' V TA	4 Changing local Govt Officers' attitude for	(1) Formulated local Govt Officers'		V	TA	
disservination and facilitation of PPI job description, standard performance	dissemination and facilitation of PPI	job description, standard performance				
implementation and procedures	implementation	and procedures				
4.1 Workshop on Govt Officers attitude (2) Ability of local GOts' Officer to	4.1 Workshop on Govt Officers attitude	(2) Ability of local GOIs' Officer to				
change facilitate adequately the		facilitate adequately the				
4.2 Job trainings of local Govf's Officers implementation of PP1.	4.2 Job trainings of local Gov/ts Officers	implementation of PPI.				
5 Initiation of Kab Irrigation Coord Forum (KICF) Initiated and prepared KICF to V V TA	5 Initiation of Kab Inrigation Goord Forum (KICF)	Initiated and prepared KICF to	٧	٧	TA	
unifertalve as well their role and		undertake as well their role and				
5.1 Draft formulation of KICF Articles responsibility	5.1 Draft formulation of KICF Articles	responsibility				
5.2 Formation and legalization of KICFof	5.2 Formation and legalization of KICFof					
KICF Articles						
5.3 Formulation of guideline and criteria for						
provision of start-up OSM fund to WUA	provision of start-up OSM fund to WUA					
5.4 Formulation of guideline and procedure of	5.4 Formulation of guideline and procedure of					
application and disbursement of Kalospaten	application and disbursement of Kalcupaten					
Irrigation Improvement Fund	Irrigation Improvement Fund					
6 Training for PTSA Officers Ability of PTSA Officers to facilitate V TA	6 Training for PTGA Officers	Ability of PTGA Officers to facilitate		٧	TA	
6.1 Designing of training/refreshing syllabus CO training	6.1 Designing of training/refreshing syllabus	CO training				
6.2 Selection of participants from Provincial	6.2 Selection of participants from Provincial					
PTGA and Kalu/Mun PTGA Teams	PTGA and Kali/Mun PTGA Teams					
6.3 Provision of Training for PTGA Officers	6.3 Provision of Training for PTGA Officers					
7 Recruitment and training of COs Adequate number and quality of COs V TA V	7 Recruitment and training of COs	Adequate number and quality of COs		٧	TA	٧
7.1 Need analysis for COs By Kabupaten and Municipal	7.1 Need analysis for COs	by Kabupaten and Municipal				
7.2 Planning and louiseting for CO recruitment	7.2 Planning and loudgeting for CO recruitment					
and training						
7.3 Formulation of CO minimum requirements:						
and recruitment procedure	and recruitment procedure					
7.4 Advertisement and selection of Cos	7.4 Advertisement and selection of Cos					
7.5 CO training and pooling	7.5 CO training and posting					

Note: . . Legend of Task Owing "Jacted by Univ/NGO

V : Having authority & responsibility KS : Joint operation KM : Partnership TA : Technical Assistance

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

Table 6.4.2 Inventory of Irrigation Systems and WUAs (1)

-	Activity No. :	INV-1	Program Name ;	Major Imigation Scheme Inventor	/ Updat	ing Program	Cate	gory of the Program
(2)	Sector:	lmig	petion	(3) Expected Implementation Pe	riod ;	3 years	Irrigation	Scheme, WUA, Others
(4)	Target Area / Cate	gory	1) Estimated Total	Number; 1,800 schemes		2) Estimated	Total Area;	2.7 million ha
•	3) Others							
(i)	Program Bescript		not of injustion to how	nes over the country, basing on the	1993 D	I kwantory D	mont condition	of intration A desirons sust
				vey is to be conducted by strong Top				
			-	tion. Trunck system from water sour			_	
	level is be exclu	ded.						
60	Executing agencie	sfinstitutions, th	eir roles, present	conditions & required strengther	ing			
	1) Field level :			all conduct walk-through confirmation	_	,		
	2) Kabupaten gove	mment	Dinas Kab, Kimpra	lines				
	 Provincial gover 	mment	Dinas Kimpraswil,	In-Charge at province level, guide [Pinas Ki	sh Kimpraswil	5	
	4) Central government	rent	In-Charge; Kimpra	swil, DGWR, DWRM				
n	Program Backgro	und						
	1) Current Proble	ms to be addres	ssed by the Progra	m : Almost all information of present	conditio	n ofinr. & dnai	nage system is	not sufficient for provide
	accurate qty / co	ost estimation for r	maintaining the syste	m.				
	2) Countermeasure	s already taken :	Any particular mea	sures have never been taken by the	central	govt.		
				g requested by farmers to local gove			rhabilitation befo	re handing-over, central
	-			ic reference points for sound asset m				
				ent plan/policies/structions; GOI is	_	-		
				sound regional planning in near future	. The p	roposed progra	em is most pred	ious into, to make any region
On.			ector is major water	users in new.				
8)	Program Targets:		de accomb mbound	ishle inventory to identify rehab nece		nds and modified	dela da accounda	and referreds
				the target level; Compiled inventory		rance or no aware	see in accepte	cost essenate.
	3) Output: Comp			to Manage Company				
				ents at the outputs level; Compiled i	rventor	v itself, includi	ng map oriented	info. & drawings, not only
	numeric info.			ents at the supples rever . Outgood		, 1000, 1100	J	•
	numeric info. 5) Activities :	See Supporá	ing Information	THE STATE COMPANY NAMED IN COLUMN TO		,,	,	
				THE RESERVE THE PARTY OF THE PA		,,		
9)	5) Activities :					,,		
5)	5) <u>Activities :</u> 6) <u>Assumptions :</u>		ing Information	Rp 74,549.92 (×1,000,000)		\$6,777.27		US\$1=Rp11,000
(9)	5) Activities ; 6) Assumptions ; Program inputs 1) Budget alocates	n plan throughout t	ing Antermation	Rp 74,549.92 (×1,000,000)				
(5)	5) Activities ; 6) Assumptions ; Program inputs 1) Budget alocates	n plan throughout t	ing Information	Rp 74,549.92 (×1,000,000)				
(9)	5) Activities : 6) Assumptions : Program Inputs 1) Budget alocation p	n plan firewishout f	ing Antermation	Rp 74,549.92 (×1,000,000)				
(5)	5) Activities ; 6) Assumptions ; Program inputs 1) Budget alocates	n plan firewishout f	ing Antermation	Rp 74,549.92 (×1,000,000)				
	5) Activities : 6) Assumptions : Program Inputs 1) Budget alocation p	n plan fivourphout f lans and technical preent/ Materials	ing Antermation	Rp 74,549.92 (×1,000,000)				
	5) Activities : 6) Assumptions : Program Inputs 1) Budget allocation p 3) Provisional equi	plan firesighout f lans and technical prient/ Materials	ing Information the Program period	Rp 74,549.92 (×1,000,000)	eq.	\$6,777.27	(×1,000)	
	5) Activities : 6) Assumptions : Program Inputs 1) Budget alocation p 3) Provisional equi Program Benefits 1) Direct herefician	n plan fireunhout i lans and technical preent! Materials & Impacts ics & their number	ing Information the Program period I after achievement o	Rp 74,549.52 (× 1,000,000) foverall goal nimplementation; Private consultant	eq.	\$6,777.27 contracts for the	(×1,000)	
	5) Activities : 6) Assumptions : Program Inputs 1) Budget allocation p 3) Provisional equi Program Benefits 1) Direct hereficiar 2) Direct hereficiar	n plan firesupout i lans and technical preent/ Materials & Impacts es. & their number es. & their number	the Program period after achievement of action the program rs. start achievement	Rp 74,549.52 (× 1,000,000) foverall goal	eq.	\$6,777.27 contracts for the	(× 1,000)	US\$1=R _P 11,000
	5) Activities : 6) Assumptions : Program Inputs 1) Budget allocation p 3) Provisional equi Program Benefits 1) Direct hereficiar 2) Direct hereficiar 3) kinect herefits :	n plan firesupout i lans and technical preent/ Materials & Impacts es. & their number es. & their number	the Program period after achievement of after achievement of a during the program as after achievement ble to expect original	Rp 74,549.92 (× 1,000,000) f overall goal nimplementation; Private consultant of overall goal; Local govts (Kaib. &	eq.	\$6,777.27 contracts for the	(× 1,000)	US\$1=R _P 11,000
10)	5) Activities : 6) Assumptions : Program Inputs 1) Budget allocation p 3) Provisional equi Program Benefits 1) Direct hereficiar 2) Direct hereficiar 3) kinect herefits :	and technical present/ Materials E Impacts es & their number Farmers (Availab (Because availa)	the Program period after achievement of as during the program as after achievement ble to expect originally ble to buy rice)	Rp 74,549.92 (× 1,000,000) foverall goal nimplementation; Private consultant of overall goal; Local govts (Kah. 6 ly design water allocation; Smillion),	eq.	\$6,777.27 contracts for the	(× 1,000)	US\$1=Rp11,000
10)	5) Activities : 6) Assumptions : Program Inputs 1) Builest allocation p 3) Provisional equi Program Benefits 1) Direct herefician 3) Mirect herefician 3) Mirect herefician 4) Urban people Related Projects#	and technical ment/ Materials	the Program period I after achievement of a during the program a after achievement ble to expect originally ble to buy rice)	Rp 74,549.92 (× 1,000,000) foverall goal nimplementation; Private consultant of overall goal; Local govts (Kah. 6 ly design water allocation; Smillion),	eq.	\$6,777.27 contracts for the	(× 1,000)	US\$1=Rp11,000
10)	5) Activities : 6) Assumptions : Program Inputs 1) Budget allocation p 3) Provisional equi Program Benefits 1) Direct herefician 2) Direct herefician 3) Misset benefits : 1) Utban people Related Projects 1) IDTO, but not n 2) PTSL, Available	ans and technical preent/ Materials Elmpacts ics & their number Farmers (Availab (Because availal trograms (IISP, slated directly bec	the Program period after achievement of after achievement of after achievement of after achievement of the to expect originally ble to expect originally ble to buy ricel ause high-lighting ter	Rp 74,549.52 (× 1,000,000) foverall goal nimplementation; Private consultant of overall goal; Local govts (Kah. it y design water allocation; fimilion),	eq. (With	\$6,777.27 contracts for thice) ovt (Available	(× 1,000)	US\$1=Rp11,000
10)	5) Activities : 6) Assumptions : Program Inputs 1) Budget allocation p 3) Provisional equi Program Benefits 1) Direct herefician 2) Direct herefician 3) Misset benefits : 1) Utban people Related Projects 1) IDTO, but not n 2) PTSL, Available Pre-Requirements	plan fireunhout lans and technical pment/ Materials & Impacts ics & their number ics & their number ics & their number (Because availal fregrams (IISP, slated directly because in	the Program period I after achievement of rs. sharing the program rs. sharing the program rs. after achievement ide to expect originally the to buy rice) IDTO, PTSL, SAL ause high-lighting ter iterainage sys condit	Rp 74,549.52 (× 1,000,000) foverall goal nimplementation; Private consultant cof overall goal; Local govts (Kah. & y design water allocation; Smillion), L, Others) tory level rehabilitation. tons through not covering whole sch	eq. (With	\$6,777.27 contracts for thice) ovt (Available	(× 1,000)	US\$1=Rp11,000
10)	5) Activities : 6) Assumptions : Program Inputs 1) Budget allocation p 3) Provisional equi Program Benefits 1) Direct heneficiar 2) Direct heneficiar 3) Mirect heneficiar 3) Mirect heneficiar 4) Direct heneficiar 7) Libran people Related Projector 1) IDTO, but not re 2) PTSL, Available Pre Requirements 1) Inventory deve	ans and technical ans and technical ament/ Materials Empacts es & their number formers (Availab (Because availab fragrams (BSP), lated directly bec- to obtain lates in	the Program period I after achievement of Is during the program as after achievement the to expect originally ble to buy rice) JIDTO, PTSL, SAL ause high-lighting ter Whatnage sys conditions all govts or inventor	Rp 74,549.92 (× 1,000,000) f overall goal nimplementation; Private consultant of overall goal; Local govts (Kab. 6 y design water allocation; 6million), Others) tory level rehabilitation.	eq. (With	\$6,777.27 contracts for thice) ovt (Available	(× 1,000)	US\$1=Rp11,000
10)	5) Activities : 6) Assumptions : Program Inputs 1) Budget allocation p 3) Provisional equi Program Benefits 1) Direct henefician 2) Direct henefician 3) Idirect henefician 3) Idirect henefician 3) Idirect henefician 3) Idirect henefician 4) DTO, but not m 2) PTSL, Available Pre-Requirements 1) Inventory devel 2) WUA or Farme	ans and technical brane and technical brane Materials 8 Impacts ics 6 their number ics 6	the Program period I after achievement of Is during the program as after achievement the to expect originally ble to buy rice) JIDTO, PTSL, SAL ause high-lighting ter Whatnage sys conditions all govts or inventor	Rp 74,549.52 (× 1,000,000) foverall goal nimplementation; Private consultant cof overall goal; Local govts (Kah. & y design water allocation; Smillion), L, Others) tory level rehabilitation. tons through not covering whole sch	eq. (With	\$6,777.27 contracts for thice) ovt (Available	(× 1,000)	US\$1=Rp11,000
10)	5) Activities : 6) Assumptions : Program Inputs 1) Buriest allocation p 3) Provisional equi Program Benefits 1) Direct herefician 3) Idirect herefician 3) Idirect herefician 3) Idirect herefician 3) Idirect herefician 1) IDTO, but not n 2) PTSL, Available Pre-Requirements 1) Inventory deve 2) WUA or Fames Riska & sensitiviti	ans and technical brane and technical brane Materials 8 Impacts ics 6 their number ics 6	the Program period I after achievement of Is during the program as after achievement the to expect originally ble to buy rice) JIDTO, PTSL, SAL ause high-lighting ter Whatnage sys conditions all govts or inventor	Rp 74,549.52 (× 1,000,000) foverall goal nimplementation; Private consultant cof overall goal; Local govts (Kah. & y design water allocation; Smillion), L, Others) tory level rehabilitation. tons through not covering whole sch	eq. (With	\$6,777.27 contracts for thice) ovt (Available	(× 1,000)	US\$1=Rp11,000
10)	5) Activities : 6) Assumptions : Program Inputs 1) Budget allocation p 3) Provisional equi Program Benefits 1) Direct henefician 2) Direct henefician 3) Idirect henefician 3) Idirect henefician 3) Idirect henefician 3) Idirect henefician 4) DTO, but not m 2) PTSL, Available Pre-Requirements 1) Inventory devel 2) WUA or Farme	ans and technical brane and technical brane Materials 8 Impacts ics 6 their number ics 6	the Program period I after achievement of Is during the program as after achievement the to expect originally ble to buy rice) JIDTO, PTSL, SAL ause high-lighting ter Whatnage sys conditions all govts or inventor	Rp 74,549.52 (× 1,000,000) foverall goal nimplementation; Private consultant cof overall goal; Local govts (Kah. & y design water allocation; Smillion), L, Others) tory level rehabilitation. tons through not covering whole sch	eq. (With	\$6,777.27 contracts for thice) ovt (Available	(× 1,000)	US\$1=Rp11,000

Supporting Information of 5) Activities of (3) Program Targets and Monitoring : Major Irrigation Scheme Inventory Updating Program

Activities	By Farmers / WUA	By Local Govt	By Central Govt	By Consultant
Phase-I: Initial Set-Up Stage				
Irrigation Scheme Identification			V, BU	
(1) Irrigation Scheme Initial Identification		I	V, BU	
(2) Present Inigation Scheme Compilation		I	V, BU	
Phase -II: Inventory Updating / Completion Stage				
Present Condition Confirmation of Imigation Scheme			V, BU	
(1) Present Condition Confirmation Survey	KM	KS	V, BU	I
(2) Present Condition Compilation Works			V,BU	I
(3) O&M Management Stratified Tree	KM	KS	V, BU	I

Note: Legend of Task Owing

V : Having authority & responsibility BU: providing guidance/assistance/backup

KS: Joint operation I: Implementor

KM: Partnership

Implementation Schedule: Major Irrigation Scheme Inventory Updating Program

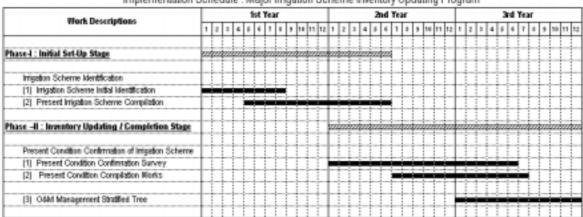


		Table	e 6.4.2 Inve	entory of Irri	gation System	s and W	UAs (2)
ŋ) Activity No. :	INV-2	Program Name ;	Small Scale Imiga Program	tion Scheme Inventory	Updating	Category of the Program
(2)	Sector :	lmig	ation	(3) Expected Imp	dementation Period ;	3 years	Irrigation Scheme, WUA, Others
(4)	Target Area / Cat	egory	1) Estimated Total	Number;	17,200 schems	2) Estimated	Total Area; 1.31 million ha
	3) Others						
(i)	Program Bescrip					l	
							asing on the 1993 D.J. Inventory. Present
		_	-				nembers. The survey is to be conducted by
							ther insentives if any. Trunck system from in 500ha or so might be alternative.
-							and the second s
(b)		esñastitutions, th			uired strengthening		
	 Field level ; 		WUA or farmers: g	roup will provide w	ith fulfilling the specified t	omns.	
	2) Kabupaten gov	emment	Dinas Kab. Kimpra	stwil			
	3) Provincial gove	emment	Dinas Kimpraswil,	In-Charge at provi	nce level, guide Dinas K	ab Kimpraswils	1
	4) Central govern	ment	In-Charge; Kimpra	swil, DGWR, DW	RM		
(7)	Program Backgro	ound					
			i by the Program : A	Amost all informatio	n of present condition of	r. & drainage :	system is not sufficient for providing accurate
		ration for maintainin					
	2) Countermeasur	es already taken :	Any particular mea	sures have never	been taken by the central	govt, but by p	rovincial govt for up-dating
	3) Siginificance an	d necessary of the	Program : Accordin	ng to new regulation	n all of O&M irrigation sci	hemes are to b	e handled by farmers, but the administration
	side can not sh	ow latest informatio	on as in-charge of na	tional asset. Farme	rs are insisting to comple	de manitenance	of im. & drainage sys as designed originally.
	Such inventory	can be a precious	evidence to keep to	ansparency and fai	mess to recover the trust	to administratio	on.
	4) Relation between	in the Program and	i national developme	mt plan/ policies/kst	nuctions : GOI is going to	proceed Natio	nal Water Resources Management Program
	developing BW	MP to provide acc	urate references for	sound regional plar	nning in near future. The p	imposed progra	em is most precious info. to make any regional
	plannings conce	rets, because imi-s	ector is major water	users in field.			
(6)	Program Targets	and Honitoring					
	1) Overall Goal:	To realize / comple	te accurate referenci	iable inventory to is	lentify reha necessary po	arts and availab	le to accurate cost estimate.
				he target level ; Co	empled inventory itself.		
	3) Output : Com						
		mrance indicators t	to assess achievent	ents at the outputs	evel: Compiled inventor	y itself, includir	ng map oriented info. & drawings, not only
	numeric info.						
	5) Activities :	266 2nbbox	ing Islovmation				
-	6) Assumptions:						
(9)	Program Inputs			D. 5451440	4 4 .000 .000	** 055 00	4 - 1 000 Updt p 41 000
	1) <u>Budget allocate</u>	n plan throughout t	the Program seriod	Pp 54,314.16	(×1,000,000) eq.	\$4,955.83	(× 1,000) US\$1=Rp11,000
	2) Staff allocation	olans and technical	after achievement of	foverall goal			
	3) Provisional eas	apment/ Materials					
(10)	Program Benefits	& Impacts					
	1) Direct beneficia	ries & their number	rs during the program	nimplementation: F	armers goups (or WUA)	with receiving	initial rehab by govt.
	2) Direct beneficia	ries & their number	rs after achievement	of overall goal; Lo	cal govts (Kab. & Provi	nce), farmers p	provided the inventory
	3) Indirect benefits	Farmers (Availa	âle to expect origina	lly design water all	ocation ; Emillion), Local	govt (Available	e to prioritise imi. Scheme & save expenditure
), Urban people	(Because to buy	rice stable)				
(11)	Related Projected	Programs (IISP,	IDTO, PTSL, SAI	., Others)			
	1) IDTO, directly	being related, but r	set covering majority	of tentary blocks			
	2) PTSL, Available	ie to obtain latest im	i/drainage sys cond	tions through not c	overing whole scheme a	rea.	
	3) FMI, ADB as:	sisted scheme aimi	ing to maintain small	scale irrigation sch	ernes nominated by prov	rincial govts ev	very year. But no info of whole small schemes
[12]	Pre-Requirement	•					
			ial govts or inventor	y 1993 should be e	cisting.		
	2) WUA or Fame	ers' union should b	e established				
(13)	Risks & sensitivit	ies					
	1)						
(14)	Special Remarks					l	

1)

Supporting Information of 5) Activities of (3) Program Targets and Monitoring : Small Scale Irrigation Scheme Inventory Updating Program

Activities	By Farmers / WUA	By Local Govt	By Central Govt	By Consultant
Phase-1 : Initial Set-Up Stage				
Inigation Scheme Identification			٧	
(1) Imigation Scheme Initial Identification		I	V, BU	
(2) Present Imigation Scheme Compilation		I	V, BU	
Phase-2 : Inventory Updating / Completion Stage				
Present Condition Confirmation of Inigation Scheme			V, BU	
(1) Present Condition Confirmation Survey	1	KS	V, BU	
(2) Present Condition Compilation Works		I	V,BU	
(3) O&M Management Stratified Tree		KS	V, BU	I

Note: Legend of Task Owing

V : Having authority & responsibility BU: providing guidance/assistance/backup

KS: Joint operation I: Implementor

KM: Partnership

Implementation Schedule: Small Scale Irrigation Scheme Inventory Updating Program

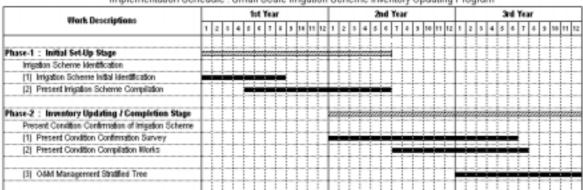


Table 6.4.2 Inventory of Irrigation Systems and WUAs (3)

(1) Activity No. :	INV-3	Program Name :	Water Resources Related National Asset D Installation Program)atabase	Category of the Program
(2) Sector:	lnig	ation	(3) Expected Implementation Period ;	2 years	Imigation Scheme, WUA, Others
(4) Target Area / Cat	egory	1) Estimated Total	Number; 19,000 schemes	2) Estimated	Total Area; 4.01 million ha
00 04					

Others

(i) Program Bescription

Carry out installation of computer sided database of water resources related natinal 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 governents, then complete same system is to be installed at provincial dinas Kimprasovil for maintaining uniformly. All of results to be provided through limit. & Drainage Inventory Programs are to be insuffed into the system.

b) Executing agencies/institutions, their roles, present conditions & required strengthening

1) Field level : Not to invive directly

Kabupaten government Dinas Kali. Kimpraswil

3) Provincial government Dinas Kimprassvil, In-Charge at province level, guide Dinas Kab Kimprassvils

4) Central government In-Charge; Kimpraswil, DGWR, DWRM

(i) 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 manintenance physiothophy is exactly lack in any fields. 3) Urgently should set effective into to meet with decentralization and watershed management.
- 2) Countermeasures already taken : Nothing in particular
- 3) Significance and necessary of the Program; Maintenance minds for any aspects are lack. Urgently should set effective info to meet with decentralization and watershed management. Also as serting tool to select resource staffs in govt offices.
- 4) Relation between the Program and national development plant policies/structions; Available to compile provided inti. 8 drainage sys inventory in same format.
 National asset management is to be cach-oriented. Decentralization 8 watershed management can be more concrete/realistic. Available to supply accurate info-for decession making for local invendment.

(i) Program Targets and Monitoring

- 1) Overall Goal : To obtain accessible / revisable database to supply accurate into for national asset management.
- 2) Proposed performance indicators to assess results at the target level ; At both central & provincial level available to obtaine accurate info.
- 3) Output; Compiled inventory itself
- 4) Proposed performance indicators to assess achievements at the outputs level; At both central & provincial level available to obtaine accurate info.
- 5) Activities: See Supporting Information
- 6) Assumptions :

(f) Program Inputs

Budget allocation plan throughout the Program seriod Rp 2,213.62 (x 1,000,000) eq. \$201.24 (x 1,000)

- 2) Staff allocation plans and technical after achievement of overall goal
- 3) Provisional equipment/ Materials

[10] Program Benefits & Impacts

- 1) Direct beneficiaries & their numbers during the program implementation; System supplyer & system provider
- Direct hereficiaries. 8 their numbers, after achievement of overall goal; Farmers (or WUA) with receiving prompt services from govt. Local tax payer to compress govts administration cost.
- 3) Indirect henefits; 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
- WUA or Farmers' union should be established
- 3) Provision of resource govt staff to operate sys.
- 4) Sufficient fund to install eye and to maintain eye.

(13) Risks & sensitivities

10

(14) Special Remarks

Program is to be commenced at 75% progress of both Irri.8 drainage inventory programs and the system installation is to be adapted for more 80% progress
provincies.

Supporting Information of Sp Activities of (Sp Program Targets and Monitoring : Water Resources Related National Asset Database Installation Program

Activities	By Farmers / WUA	By Local Govt	By Central Govt	By Consultant
Phase-1 : Initial Set-Up Stage				
Imigation Scheme Identification			٧	
(1) System Logic Establishment				I
(2) Data Compilation Work		KS		I
Phase-2 : Database Transplant Stage				
Database transplant to provincial level		KS	٧	I

Note: Legend of Task Owing

V : Having authority & responsibility BU: providing guidance/assistance/backup

KS: Joint operation I: Implementor

KM: Partnership

Implementation Schedule:

Water Resources Related National Asset Database Installation Program

Work Descriptions		1st Year										2nd Year											
Work Descripaons	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11 13
																:							
Phase-1 : Initial Set-Up Stage	222	22	777	22	77	277	777	22	77	222	222	72	22	222	222	22	72	222	1				1
Inigation Scheme Identification	-	1	;				;						ļ		; :								
(1) System Logic Establishment		-	-	ý		-	-	ý					ļ	:	:	·····							
(2) Data Compilation Work		-	Ī																				
		Ĭ	<u> </u>	-	:											:	:						Ī
Phase-2 : Database Transplant Stage		1																	772	222	77	772	77.77
		!	<u>:</u>	į	<u>.</u>	!	<u>:</u>		į				<u>.</u>	:	<u>:</u>	<u>.</u>	<u>.</u>						
Database transplant to provincial level																							
		Ĭ		-			-									:	:			:			1

Note:

The program should be commenced after achieving certain progresses of the facility inventory program, minimum 80% or so to ensure the effective work intensisty.

Table 6.4.2 Inventory of Irrigation Systems and WUAs (4)

		Table	0. 4 .2 IIIVe	nitory or irrigation system	s and we	JA3 (4)
0) Activity No. :	INV-4	Program Name ;	WUA Inventory Provision Program		Category of the Program
(2)	Sector :	lnig	pation	(3) Expected Implementation Period;	2.5 years	irrigation-Scheme, WUA, Others
(4)	Target Area / Cat	евогу	1) Estimated Total	Number;	2) Estimated	Total Area; 4.01 million ha
	3) Others					
	assisted study Inventory and i	o let WUA /farmen to complete WUA i nitiation of measure	reventory, including to as incentives to le	WUA potential areas. As preconditions to co termers involve.		ation channels referring to the results of the JICA im, GOI should have made progresses of D.I.
(6)		esñnstitutions, ti	eir roles, present	conditions & required strengthening		
	1) Field level :					
	2) Kabupaten gov	emment	Dinas Kab. Kimpra	swil		
	3) Provincial gove	emment	Dinas Kimpraswil,	In-Charge at province level, guide Dinas N	Cab Kimpraswill	S .
L	4) Central governs	ment	In-Charge; Kimpra	twil, DGWR, DWRM		
(7)	Program Backgro	ound				
	 Current Problem 	ms to be addresse:	f by the Program: 1) Policy has not been operated by purpose	sense. Hence	obody know the progress and targets: 2)
	Farmers hardly	understand beeft	principle, so less wil	lingness to involve 3) Govts has no way t	know present	conditions of farmers directly.
	2) Countermeasur	es already taken :	JICA WUA Study	has been conducted as fact found measure	12	
	 Significance ar 	d necessary of the	: Program : 1) Nece	ssary to provide inventory to clarify concre	te target to mak	e progress of WUA establishement /
	strengthening, 2	() Necessary as p	rovision of concrete p	preparation for proceeding OSM turn-over p	olicy.	
				<u>mt.plan/policies/instructions : 1)</u> Deeply rel		
	management po	ticy due to domina	ınt water user 3) Rel	ated with sustainable / stable crop production	on from view po	int of national food security 4) Participation of
	WUA / farmers	to provide the inv	entory is a measure	to boost democratisation movement through	socialization	
(6)	Program Targets	and Monitoring				
	1) Overall Goal:	 To realize active 	ded farmers institution	n under the benefit principle		
	Proposed perfo	mance indicators t	o access results at t	he target level : Increment of irrigated crops	in existing sch	eme areas
	3) Output : Com	piled WUA invento	ry itself			
	4) Proposed perfo	rmance indicators t	o assess achievem	ents at the outputs level : At both central &	provincial level	available to obtained accurate WUA precent
			establishment / stren			
	5) Activities :	See Sapporting				
	6) Assumptions:					
(9)	Program Inputs					
447	Budget allocation	n plan throughout t	he Program period	Rp 2,213.62 (×1,000,000) ец.	\$201.24	(×1,000) US\$1=Rp11,000
	2) Staff allocation	plans and technical	after achievement o	foverall goal		
	3) Provisional equ	iument/ Materials				
(10)	Program Benefits					
	 Direct beneficia 	ries & their number	rs during the program	<u>ı implementation:</u> Central & Local govts, be	cause to obtain	accurate info.
	2) Direct beneficia	ries & their number	s after achievement	of overall goal; Farmers (or WUA) with re-	eiving prompt	services from govt. Central & Local govts
	because of suff	cient info to set pric	oritization for WUA d	evelopment & rehall schemes		
	3) Indirect benefits	Local residents (Stable crop supply)	1		
(11)	Related Projected	Programs (IISP,	IDTO, PTSL, SAL	., Others)		
				estation, because already being completed i	initial socializatio	an.
				for the scheme implementation		
				with more cocrete OSM institutions than p	previous	
(12)	Pre-Requirement					
	1) Imi & drainage	scheme Inventory	should be progresse	ed by certain level (say 75% or so) to ide	entify WUA (W	UA potential) area
	Central govt si	hould have comple	ted to set cash-orien	ted detailed rule of OSM demarcation in be	tween beneficial	les
	 Socialization s 	hould be already p	rogressed on the ber	refit principle among farmers		
	4) Rationalization	of local government	nt sys is to be public	ized and being aware by farmers at certain	level, to recove	er the trust
	5) Already being	set specified scher	mes as incentive for	farmers to involve, that is, ini & drainage n	ehab program.	
L			ed alternatives for co	st demarcation between WUA and govt be	fore	
(13)	Rioka & sensitivit	ties			J	
db.	1) Special Remarks					
0.0		conduct the second	na firman seisem meint to	introduce " Competitive Cencept to meet v	j vito Erro Martin	d once" into both most & formers' sides
	-) recessing to	commercian brodia	Aronii osone poeti 10			toro invivatigate orininas suas.

Supporting Information of Strativities of (Strategies and Monitoring : WUA Inventory Provision Program

Activities	By Farmers / WUA	By Local Govt	By Central Govt	By Consultant
Phase-1 : Initial Set-Up Stage				
Identification of WUA Blocks by Each Irrigation			V, BU	
Schems				
(1) WUA Block Identification		I	٧	I
(2) Compilation of Initial WUA Identification List		KS		I
Socialization for Program Implementation		KS	٧	I
(1) Socialization for Local Governments	KS	KS	٧	
(2) Socialization for Existing WUA & Farmers in	KS	KS	٧	
WUA potential blocks				
(3) Installation of WUA Database by Kabupaten		KS		I
Phase-2 : Field Survey & Database			٧	
Compilation Stage				
(1) Field Survey				1
(2) Data Compilation Works				I
(3) Final Checking		KS		

Note: Legend of Task Owing

V : Having authority & responsibility BU: providing guidance/assistance/backup

KS: Joint operation I: Implementor

KM: Partnership

Implementation Schedule: WUA Inventory Provision Program

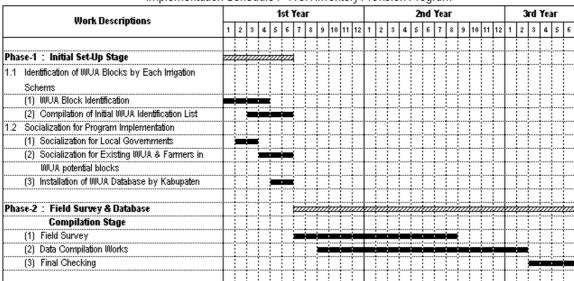


Table 6.4.2 Inventory of Irrigation Systems and WUAs (5)

	Activity No. :	INV-5	Program Name ;	Imigation System Assessment P	rogram	Category o	f the Program
(Z)	Sector :	Irrig	ation	(3) Expected Implementation Period ;	2.5 years	Irrigation Schen	ne, WUA, Others
(4)	Target Area / Cate	egory	1) Estimated Total	Number;	2) Estimated	Total Avea ;	
	3) Others						
d)	measures, farm Kaupatens is als	ogram for intgation ers involvements, so one of tasks to e	to obtain reference p enhance decembaliza	over 1,000ha scale schemes over the co- points for required funds of govt responsibili ation policy and watershed management o	ty. Examining a	propriete rule of cost of	demarcation among
	country wese st	udy is to be condu	cted.				
Đ.	Executing agencie	enantitutions, th	eir roles, present	conditions & required strengthening			
	1) Field level:						
	2) Kabupaten gove	emment	Kab. Govts should	l owe support to conduct the survey			
	3) Provincial gove		Respective municipal	cial Govts should owe all of responsibilities	at necesiana laur		
	- Frommers gove	and the same	гезросите разони	car cover around once an or responsement.	a province ico		
	4 Central governr	ment	Kimpraswill is to be	e in charge for the program implementation			
7)	Program Backgro	und					
Т	1) Current Problem	ns to be addressed	lly the Program:1	1) No referenciable information for managig	rehabilitate imi. 8	drainage sys. 2) Hen	ce 08M tum-over p
	has not been re	alized, because of	being not cash-orien	nted discussion, 3) Also no sufficient info t	set prioritization	for both physical reha	ib & making progres:
	of WUA establis	shment. 3) Urgenty	y should set effectiv	e info to meet with decentralization and wa	tershed manager	ment.	
	2) Countermeasure	es already taken :	Provigout been up	dating but not sufficient for Need Base plan	ning		
	3) Siginificance an	d necessary of the	Program: 1) To pr	ovide references to know necessary fund	or ini. 6 drainag	e rehab as need base	2) To provide suffici
				for co-sharing the cost 3) To be available t			
	strengthening 4	To comtribute refer	rencial rule of cost d	lensarcation among Kalı govts for a ceratsi	scheme.		
	4) Relation between	in the Program and	national developme	ent plan/ policies/istructions : 1) Available t	o make more co	ncrete plan to manage	cost intensive issue
	local govts 2) To	osupply sufficient i	info to proceed wate	ershed management as dominant water use	rs in local area.		
8)	Program Targets	and Honitoring					
	1) Overall Goal:	To conduct smooth	decentarization/wx	atershed management basing on sufficient i	nfo.		
	2) Proposed perfor	manca indicator t	a second mode of				
		INTERNO PRINCIPLE P	O descess results de	the target level ; 1) Available to estimate no	ed hase rehab o	out by province 2) Als	so to set cost deman
	among Kab gov		o dagesa regula di	the target level; 1) Available to estimate n	ed hase rehab o	out by province 2) As	so to set cost deman
	among Kab gov 3) <u>Output</u> ; Comp	ts.		the target level ; 1) Available to estimate n	ed lase rehab o	out by province 2) As	so to set cost demard
	3) Output; Comp	rts. piled inventory itsel	,	the target level; 1) Available to estimate in tents at the outputs level; 1) Available to p			
	3) Output; Comp	rts. plied inventory itsel mnance indicators t	,				
	Output : Com Proposed performs & drain	rts. plied inventory itsel mnance indicators t	# to assess achievem				
	Output : Com Proposed performents int & drain	rts. piled inventory itsel mance indicators t age	# to assess achievem				
	3) <u>Output</u> ; Com; 4) <u>Proposed performable</u> rehb imi & drain; 5) <u>Activities</u> ;	rts. piled inventory itsel mance indicators t age	# to assess achievem				
	3) Output : Comp 4) Proposed serfor rehb im 8 drain 5) Activities : 6) Assumptions :	rts. pled inventory itsel mance indicators t age See Supporting	i o assess achievem Information		redict budget dist		
	3) Output : Com; 4) Processed serior rehb im 8 drain 5) Activities : 6) Assumptions : Program Inputs 1) Budget allocate	rts. pled inventory itsel mance indicators to age See Supporting n plan throughout to	to assess achievem Information the Program period	tents at the outputs level ; 1) Available to p	redict budget dist	ausement schedule for	r coming several ye
	3) Output : Com; 4) Processed serior rehb im 8 drain 5) Activities : 6) Assumptions : Program Inputs 1) Budget allocate	rts. pled inventory itsel mance indicators to age See Supporting n plan throughout to	i o assess achievem Information	tents at the outputs level ; 1) Available to p	redict budget dist	ausement schedule for	r coming several yea
	3) Output; Com; 4) Processed performable int & drain 5) Activities; 6) Assumptions; Program Inputs 1) Budget allocation; 2) Staff allocation;	its. sided inventory itselumence indicators to age See Supporting n plan throughout to plans and technical	to assess achievem Information the Program period	tents at the outputs level ; 1) Available to p	redict budget dist	ausement schedule for	r coming several ye
	3) Output : Com; 4) Processed serior rehb im 8 drain 5) Activities : 6) Assumptions : Program Inputs 1) Budget allocate	its. sided inventory itselumence indicators to age See Supporting n plan throughout to plans and technical	to assess achievem Information the Program period	tents at the outputs level ; 1) Available to p	redict budget dist	ausement schedule for	r coming several ye
9)	3) Output; Com; 4) Processed performable int & drain 5) Activities; 6) Assumptions; Program Inputs 1) Budget allocation; 2) Staff allocation; 3) Provisional equ	its. pled inventory itsel mence indicators to age See Supporting in plan throughout to plans and technical ignment/ Materials	to assess achievem Information the Program period	tents at the outputs level ; 1) Available to p	redict budget dist	ausement schedule for	r coming several yea
හා	3) Output; Com; 4) Prosessed serior rehb int & drain 5) Activities; 6) Assumptions; Program Inputs 1) Budget allocation; 2) Staff allocation; 3) Provisional equipments Program Benefits	its. pled inventory itsel mance indicators to age See Supporting in plan firmuchout 6 plans and technical ipment/ Materials & Impacts	to assess achievem Information he Program period after achievement of	tents at the outputs level; 1) Available to p (×1,000,000) eq	redict budget dist	oursement schedule for (× 1,000)	r coming several year US\$1=Rp11,000
(1)	3) Output; Com; 4) Processed serior rehb int 8 drain 5 Activities; 5) Activities; 6) Assumptions; Program Inputs 1) Budget allocation; 3) Provisional equipment of the program Benefits 1) Direct heneficial	its. pled inventory itself mence indicators to age See Supporting in plan firmushout B plans and technical ipment/ Materials & Impacts ics. & their number	I to assess achievem for achievem period after achievement of the program program of the program	tents at the outputs level ; 1) Available to p	redict budget dist	oursement schedule for (× 1,000)	r coming several year US\$1=Rp11,000
10)	3) Output; Com; 4) Processed certor rehb int & drain 5) Activities; 6) Assumptions; Program Inputs 1) Budget allocation; 3) Provisional equipment of the program Benefits 1) Direct heneficies, with referencies	its. pled inventory itsel mance indicators to age See Supporting in plan firmuchout 6 plans and technical ipment/ Materials & Impacts fee & their number the info to conduct	I to assess achievem for the Program period after achievement of the program cost allocation	(× 1,000,000) eq	edict budget dist	ursement schedule for (× 1,000)	US\$1=Rp11,000
10)	3) Output; Com; 4) Processed certor rehb int 8 drain 5) Activities; 6) Assumptions; Program Inputs 1) Budget allocation; 3) Provisional easing Program Benefits 1) Direct beneficiar, with referencia 2) Direct beneficiar 2) Direct beneficiar 3) Provisional easing 3) Provisional easing 3) Provisional easing 4) Direct beneficiar 5) Direct beneficiar 6) Direct beneficiar 7) Direct beneficiar 8) Direct beneficiar 9) Direct beneficiar 1) Direct beneficiar 2) Direct beneficiar 2) Direct beneficiar 3) Direct beneficiar 4) Direct beneficiar 5) Direct beneficiar 6) Direct benefic	Ats. pled inventory itself mence indicators to age See Supporting in plan firmughout to alans and technical igment/ Materials 8 Impacts ics 6 their number ics 6 their number	I to assess achievem for the Program period after achievement of the program cost allocation	tents at the outputs level; 1) Available to p (×1,000,000) eq	edict budget dist	ursement schedule for (× 1,000)	US\$1=Rp11,000
9)	3) Output; Com; 4) Processed certor reho ini & drain 5) Activities; 6) Assumptions; Program Inputs 1) Budget allocation; 3) Provisional east Program Benefits 1) Direct beneficiar, with referencial obtain sound market.	its. pled inventory itsel mence indicators to age See Supporting in plan firmughout to class and technical ipment/ Materials is limpacts ics & their number ins & their number anagement	I to assess achievem Information the Program period after achievement of substituting the program cost allocation substituting after achievement	(× 1,000,000) equivolence of overall goal (*) Both Central 8 Provided to formal goal (*) Both of goverand farmer	edict budget dist	(× 1,000)	US\$1=Rp11,000
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10)	3) Output; Com; 4) Processed serior rehb int 8 drain 5; Activities; 6) Assumptions; Program Inputs 1) Budget allocation; 3) Provisional equipment of the program Benefits 1) Direct beneficiary obtain sound mit 3) Indirect benefits Related Projects of the	Ats. pled inventory itself mence indicators to age See Supporting in plan firmuchout 6 plans and technical ipment/ Materials itself Sheir number alse into to conduct itself Sheir number angement ; Available to cont Programs (USP,	to assess achievem Information the Program period after achievement of substitution of the program cost allocation is after achievement whate to realize more IDTO, PTSL, SAI	(× 1,000,000) equivolence (x 1,000,000) equi	edict budget dist	(× 1,000)	US\$1=Rp11,000
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(9)	3) Output; Com; 4) Processed serior rehb int & drain \$	Ats. pled inventory itselemence indicators to age See Supporting In plan formuchout the plans and technical indicators and technical inventor Materials. 8 Impacts itself to conduct the Sitheir number anagement; Available to context anagement; Available to supplications of the supplication of the suppl	to assess achievem Information the Program period after achievement of substitute to realize more inhute to realize more information. To realize more information.	(× 1,000,000) equif overall goal (x 1,0	edict budget dist	(× 1,000)	US\$1=Rp11,000
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9)	3) Output : Com; 4) Processed serior rehb int & drain 5) Activities : 6) Assumptions : Program Inputs 1) Budget allocation : 3) Provisional equipment 1) Direct benefits : 2) Direct benefits : 3) Indirect benefits : 3) Indirect benefits 2) Direct benefits : 3) Indirect benefits Related Projectsd 1) Other projects : Pre Requirement 1) Int & drainage 2) Socialization of	Ats. pled inventory itself mence indicators to age See Supporting In plan throughout 6 plans and technical ignment/ Materials & Impacts itse 6 their number anagement ; Available to cont Programs (IISP, Available to coup) Inventory Survey task allocation of i	to assess achievem Information the Program period after achievement of substitute to realize more tribute to realize more IDTO, PTSL, SAI y accurate info. To re	(× 1,000,000) equif overall goal (x 1,0	edict budget dist	(× 1,000)	US\$1=Rp11,000

Supporting Information of 5) 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 im sys		KS	V, BU	I
Exam Cost demarcatiion 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	ı

Note: Legend of Task Owing

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													
work Descriptions	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
																													Γ
Objectives Confirmation											:										-	-	:		1]	
Selection of sites as pilot survey in provinces	Ī																				-	Ţ	Ī			Ī		-	
Detailed facility evaluation & set rehab level.	l											:										Ï	-				<u> </u>	-	
Set alternatives for rehab / modification of sys.	Ī										-										Ī	1	:				-	Ī	
Cost estimate for rehab / modification of im sys	l	•										·····									-	<u> </u>	-		-		Ť	1	
Exam Cost demarcation rule among WUA & govt	†											-							_		·····	-	ï			Ī		; 	
Exam Cost allocation rule among Kabs	l											:									-						Ť	1	
Proposing rules to adjust limited water in basin	†										<u> </u>										Ī	1	<u> </u>			÷	-	į	
Finalization of Program	l	•									:	·····								;	:	Ť	:		-			·;·····	-
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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 Inventoralizing imigation 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 prioritaization criteria in provinces.

Table 6.4.2 Inventory of Irrigation Systems and WUAs (6)

(1) Activity No. :	INV-6	Program Name:	krigation Scheme Rehabilitation Proposal (Program	Competition	Category of the Program
(2) Sector:	lmig	ation	1	Annual	Imigation Scheme, WUA, Others
(4) Target Area / Ca	tegory	1) Estimated Total	Number;	2) Estimated	Total Area ;

3) Others

(5) Program Description

Program aims to let NUA / farmers group involve for actual OSM planning by secondary canal wise, while let them compete NUA establishment over the country. Every year Kall, govt level invite rehab proposal at secondary canal level NUA to appraise submitted proposal in open competition. Awarded proposal & names of officiers assisted are to be informed to public later, while implementing the rehab, works as proposed.

(6) Executing agencies institutions, their roles, present conditions & required strengthening

- Field level: Fermers should register INVLA at secondary canal level and make accurate proposal of rehab plan, including post project O-SM plan, while getting
 assistance from local administration every year to participate to nation wide proposal competition.
- Kabupaten government; While assisting / encouraging farmers to establish IMUA & providing rehab proposals, select / award / announce IMUA and assisted officers into public.
- 3) Provincial government; Same involvement but provincial level. Provincial govt should adjust selection in open and convey to the central
- Central government: 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 NVUA.

(7) Program Background

- Queent Problems to be addressed by the Program: 1) Present rehab schemes are handled by gots, not participating benefitiaries. Hence never been modified
 most serious issue, participation and generating willingness of inhvernent 2) Also after rehab being completed, O-8M is left under willingness less condition 3).
 Both farmers and local govts can not change their mind to try to renovate by themselves, just wanting / waiting for assistances.
- 2) Countermeasures already taken : Nothing in particular
- 3) Significance and necessary of the Program: 1) Appraisal through competitive procedure can be expected to introduce Self-Help minds intoitoth farmers & local officers 2) Erigibility to participate in the program can be expected to enhance establishing 18/UA at secondary canal level, which has been left without any purpose sense on both sides.
- Relation between the Program and national development plant/policies/sphuctions; 1) GOI has been seeking MVA 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.

(i) Program Targets and Monitoring

- 1) Overall Goal: To realize activated WUA startiled organization and joint operation
- 2) Proposed performance indicators to assess results at the target level ; Annually rehab schemes will be going on through participatory approach
- 3) Output : Rehab schemes are to be implemented annually
- Proposed performance indicators to assess achievements at the outputs level; Increasing participatory MIUA every year. Also registored MIUA will be increased.
- 5) Activities: See Supporting Information
- Assumptions;

(8) Program Inputs

- 1) Budget allocation alon throughout the Program period Not prepare special budget for conducting this program. Managed within annual general budget.
- Staff allocation plans and technical after achievement of overall goal
 Nothing in particular
- 3) Provisional equipment/ Materials Nothing in perficular

(10) Program Benefits & Impacts

- Direct beneficiaries & their numbers during the program implementation; Local & Central Govt
- Direct beneficiaries & their numbers after achievement of overall uses; Stable increament of registered IMUA and reabbilitated imischemes.
- Indirect benefits:

(11) Related Projects/Programs (HSP, IDTO, PTSL, SAL, Others)

1) PTSL: Seems to be applied as fund source for implementation

(12) Pre-Requirements

- 1) Central govt should ensure sufficient flud source to implement rehab works basing on proposals to be awarded
- 2) Eligible participatory WUA should be IWUA at secodary level already registorated in ahead.
- 3) Central govt should have completed detailed task allocation for OSM before coducting the scheme
- 4) Govt shall set up sufficient preparation to confirm the contents of proposal also to announce the results to public.

(13) Risks & sensitivities

1)

(10 Special Remarks

1

Supporting Information of 5) Activities of (3) 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	>	
Provincial-level Proposal Competion & Awarding		KS, BU	>	
National-level Proposal Competition & Awarding		KS, BU	V, KS, BU	
Appraizing 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 implementation shall be monitored by both WUA and local government jointly

Implementation Schedule : Irrigation Scheme Rehabilitation Proposal Competition Program

Wash Danish fare	1st Year												
Work Descriptions	1	2	3	4	5	6	7	8	9	10	11	12	
	Г												
Public Announcement of the Scheme					!				•				
Kab-level Proposal Competition & Awarding						·····		:	:				
Provincial-level Proposal Competion & Awarding	İ						:	:					
National-level Proposal Competition & Awarding	ļ					=	-	ý				····	
Appraizing nominated rehab. Proposal	İ				:	:		-	=				
Preparation to sum-up all rehab. Plan & fund prepa	ļ					·····		:	:			-	
	ļ		} }			-	:	:	:			! !	

Note:

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 MUA 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

Table 6.5.1 Public Awareness and Capacity Building at WUA level

(i) Activity No. :		Program Name ;	Public Awareness and Capacity Building	at WUA level	Category of the Program
(2) Sector:	tor: Water Resources (3) Expected Implementation F				Irrigation Scheme, WUA, Others
(4) Target Area / Cat	egory	1) Estimated Total	Number;	2) Estimated	Total Area;
3) Others					

(5) Program Description

Carry out public awareness of necessity of the benefit principle white encouraging farmers to empower their capabilities to set up foundation to step up WUX policy as a part of integral part of any WUX empowerment program.

(b) Executing agencies fine titutions, their roles, present conditions & required strengthening

- Field level :
- 2) Kabupaten government ; Kabupaten Dinas Kimpraswil, Bappeda
- 3) Provincial government; Dinas Kimpraswil, Provincial Bappeda
- 4) Central government; Kimpraswil, DGWR

(i) Program Background

- Current Problems to be addressed by the Program: Many farmers are unware of, or are misinformed of current Govt's WUA policies. Similation system
 turnover. Many farmers understand that imigation supply is a vertically free gift from Govt and one for which they have little responsibility or over which they
 have little authority.
- 2) Countermeasures already taken : Already having poured so many programs through top-down system last more than 20 years, achievement is still quite low.
- 3) Significance and necessary of the Program: 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 emergining 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 OSM within specified section.
- Relation between the Program and national development plant policies/instructions; GOI has been trying to complete policy framework through WIATSAL
 program to emerge from the present. The proposed program here will owe function to realize concrete foundation to proceed WIAI policies to enhance tumover
 injustion ORM.

(i) Program Targets and Monitoring

- Overall Goal: To be realize irrigation OSM turnover as intended through conducting measures which are to be set basing on well understood conditions by farmers realized by this program.
- 2) Proposed performance indicators to assess results at the target level; Increment of number of activated WUA over the country.
- 3) Output: Majority of farmers understands / accepts WUA policies.
- 4) Proposed performance indicators to assess achievements at the outputs level; Number of newly established WUA
- 5) Activities: See Supporting Information
- 5) Assumptions:

(9) Program Inputs

1) Budget allocation plan throughout the Program period

(x 1,000,000) eq

 $(\times 1,000)$

US\$1=Rp11,000

- 2) Staff allocation plans and technical after achievement of overall goal
- Provisional equipment/ Materials

(10) Program Benefits & Impacts

- Direct beneficiaries. 8 their numbers sluring the program implementation; GOI
- Direct beneficiaries 8 their numbers after achievement of overall upol; Formers (Because they will be able to utilize channels to sell crups and increse income
 while receiving any programs to be set by GOI to activated economic condition)
- 3) Indirect benefits: 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 megsage being delivered.
- Specific DI within a particular Kabupaten would have been selected, on the leasts 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 Fforum 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
- 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 5) 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			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 Owing

V : Having authority & responsibility BU: providing guidance/assistance/backup

KS: Joint operation I: Implementor

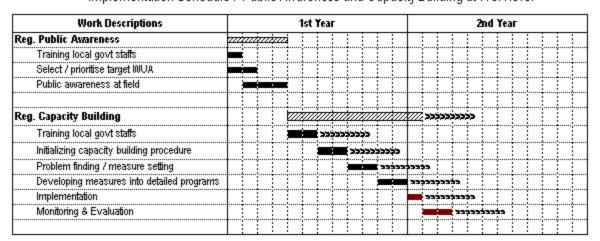
KM: Partnership

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



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 permiate effects of the program at one place tentatively.