

Annex II:

Plan of Operations (version 2)

Project for Promotion of Farmers' Participation in Irrigation Management

Activities	2004	2005				2006		
	4th	1st	2nd	3rd	4th	1st	2nd	3rd
1-1 Analyze national irrigation policy and strategy.	----	-----	---	--				
1-2 Analyze existing rules and regulations and actual status on irrigation management.	-----	-----	---	--				
1-3 Analyze some rules and regulations on irrigation management of other countries as reference.	-----	-----	---	--				
1-4 Draft rules and regulations on farmers' participation in irrigation management.				-----	-----			
1-5 Organize workshops on farmers' participation in irrigation management with participation from relevant institutions.				--		--		-
1-6 Submit the draft of rules, regulations and proposal on farmers' participation in irrigation management. to the organizations concerned in order for them to inspect and approve						--		
2-1 Compile irrigation facility inventory of each irrigation scheme under GIDA.	-----	--		--				
2-2 Organize workshops to grasp current status and analyze challenges on irrigation facility management for GIDA and farmers' organizations.		-----	-----	-----				
2-3 Conduct study tour for GIDA staff members and representatives of farmers to visit advanced cases in farmers' participation in irrigation facility management.				--				
2-4 Draft agreement on irrigation facility management between GIDA and the farmers' organization*(Joint Irrigation System Management; JISM) for the schemes concerned.				-----	-----			

2-5 Explain the draft agreement to farmers' organizations and revise the draft agreement of necessary.						----	
2-6 Finalize the agreement and facilitate conclusion of the agreement between GIDA and farmers' organization of irrigation schemes concerned.							---
3-1 Conduct training for GIDA staff to improve capacity for workshop facilitation skills.		--					
3-2 (Counterpart staff as a main body) Conduct a series of work shops such as planning, monitoring and evaluation of action plan drawn up by farmers' organizations.		--			--		
3-3 (Counterpart staff as a main body) Draw up technical training plan in accordance with the needs and urgency of farmers and officers in each irrigation scheme, according to the Action Plans and/or the results of workshops.	---			---	-----	-----	-----
3-4. (Japanese expert) Inspect the plans and provide advice to improve the plans for approval.	---			---	-----	-----	-----
3-5 (Counterpart staffs) Conducts technical training for farmers and/or staffs according to the plans approved.(including pilot activity of Joint Irrigation System Management)				---	-----	-----	-----

Annex III Evaluation Grid

Criteria	Evaluating Questions		Source of data	Research Method	Research Result
	Main item	Detailed item			
Relevance of the project's overall goal for Ghana government policy	Whether role of irrigated agriculture in agricultural policy/strategy is appropriate?	GPRS II, FASDEP (being revised), National Irrigation Policy, Strategies and Regulatory Measures (May, 2006)	(Literature Research) whether related information is described in order of priority	High relevance: "Growth and Poverty Reduction Strategy II (2006-2009) focuses on Private Sector Competitiveness as a development pillar. The pillar emphasises Agriculture Led-Growth which strategic focus is "Modernized Agriculture". It places considerable emphasis on irrigation development because the problem of low agricultural productivity is due to over-dependency on rainfall. As concrete strategies, it presents not only rehabilitation of viable irrigation infrastructure but development of new irrigation infrastructure such as valley bottoms, dams and dug-outs. The National Irrigation Policy, Strategies and Regulatory Measures(NIP) emphasises more intensified and diversified irrigated crop production to promote accelerating agricultural growth and reducing poverty. It presents the clear role of irrigated agriculture as essential component of high agricultural productivity because poverty in rural areas is calling for more diverse range of food and industrial crops that could be grown under irrigated conditions to obtain both more quantity and higher quality.	
	The roles and importance of existing irrigation projects (facilities)	Ditto	Ditto	The Irrigation Policy mentions that GIDA's existing schemes shall be promoted to be effective utilization by participatory rehabilitation and improvement of Operation and Maintenance. It says, however, that rehabilitation/upgrading of existing schemes shall be focused on only where feasible because of some drawback in implementation of irrigation development in the 1970s. On the other hands, the Policy insists that not only existing schemes but informal and commercial irrigation schemes shall be stressed on policy priority because of its high potentiality.	
	The roles and importance of Participatory Irrigation Management (PIM)	Ditto	Ditto	Because of inadequate human resource capacity at all levels (MOFA, GIDA, District Assembly) and asset deterioration, the Irrigation Policy made clear that the GIDA's responsibility for direct management of irrigation schemes will be devolved gradually and farmer participation in scheme management will need a major boost.	
Relevance of the project's overall goal for Japanese government policy	Relevance for Japan's Country Assistant Plan for Ghana	Japan's Country Assistant Plan for Ghana in May 2006	Ditto	Japan's Country Assistant Plan for Ghana revised in May 2006 made clear that Japanese focal cooperation areas of agricultural development emphasise strengthening the production base such as irrigation facilities and drainage equipment, establishing farming systems, and developing capacity of extension officers, farmers and relevant institutions for supporting the activation of rural economy particularly through increasing the income of smallholder farmers.	
Relevance of the need of target organization/group	Relevance of the need of GIDA	Confirmation of need of GIDA	Semi-structural interview with GIDA Importance and necessary of the project	GIDA: Very relevant; SSIAP and SSIAP FU can be said as educational training, but FAPIM is achieved as practical training, in particular O&M and WM, according to the group interview with GIDA dated of 27/7/06. Thus, FAPIM can meet their need in the field of irrigated agriculture.	
	Relevance of the need of Irrigation Farmers' Cooperative (IFC)	Confirmation of need of IFC	Semi-structural interview with IFC Importance and necessary of the project	Relevant: it is very positive for every IFC to understand necessity and content of JISM at project schemes under the evaluation survey of selected project schemes, although water management (WM) and irrigation facilities rehabilitation as technical matter, cooperative management such as record keeping and capacity building, and financial management (micro credit) are strongly required by the IFCs.	

Criteria	Evaluating Questions			Research Result	
	Main item	Detailed item	Source of data		Research Method
Effectiveness	Achievement of the Project Purpose	The purpose I: Achievement of PIM based on the new rules and regulation	Data formulated by the project	Comparison with the indicators in PDM	Achieved of the purpose I: it is planned that six irrigation schemes, at least, begin managing JISM agreement. In fact, 10 schemes (Okyeroko, Mankessim, Affife, Kpandor Tokor, Anum Valley, Tanoso, Sata, Bontanga, Ligba, and Golinga) have signed on the agreement.
		The purpose II: Achievement of strengthening GIDA's function in service delivery on irrigation farming	Ditto	Ditto	High prospect of achievement of the Purpose II Two indicators for the purpose II: (1) increasing number of services financed, planned, conducted, and evaluated by GIDA; (2) more than 60 % of the participants (farmers) satisfied with the services provided by GIDA. Not yet achieved indicator (1), but will be achieved by the end of the project period. In fact, two trainings financed by GIDA will be implemented by the end of Sep. 2006. Achieved (2); 95% of participants are satisfied with the services
Sustainability	Contribution of drafts of amendment of existing laws (L.I.1350 and L.I.604) to establishment of PIM	Confirmation of logical relationship between the output I and the purpose I			It is possible to realize Project purpose without achieving a output in line of PDM theory. Thus, it cannot said that achievement of the output I certainly contributes to the purpose I. Achievement of output I doesn't necessarily realize project purpose. In fact, output I is to ensure institutional legal) sustainability of project purpose.
		The substantial influence of important assumptions in the PDM	Forecast of the amended laws approved by MOFA and MOFEP	Semi-structural interview with key persons concerned	Prospect of the achievement: the proposal regarding L.I.1350 as attached National Irrigation Policy was submitted to MOFA. The proposal regarding L.I.604 (irrigation society is added) is almost formulated and is about to submit MOMYE.
Others	Analysis of Promoting and Hampering factors	Condition of registration of farmers society and/or amendments of by-laws promptly approved by the authorities concerned			Prospect of the achievement: proposals will be formulated by the end of August, that were already discussed and agreed, according the Project.
		Condition of irrigation facilities' rehabilitation for 12 projects	Budget of GIDA for the project is enough	Active data collection form GIDA	AgSSIP for irrigation rehabilitation should be completed by March 2006, but are still under construction. According to GIDA, the rehabilitation could be finished by the end of this year.

Criteria	Evaluating Questions	Source of data	Research Method	Research Result
Efficiency	<p>The output I: Legal institution outputs</p> <p>The output II: Joint Irrigation System Management (JISM) Agreement</p> <p>The output III: Capacity building of GIDA staffs</p>	<p>Data formulated by the project</p> <p>Ditto</p> <p>Ditto</p>	<p>Comparison with the indicators in PDM</p> <p>Comparison with the indicators in PDM</p> <p>Comparison with the indicators in PDM</p>	<p>Prospect of Achievement of indicator I: Amendment of L.I.1350 was submitted as the attached document of National Irrigation Policy formulated by MOFA with FAO.</p> <p>Prospect of Achievement of indicator II: Proposals will be complemented by the end of August 2006. Content of proposals have already been discussed in the process of the agreement paper.</p> <p>Achieved: JISM agreement papers were formulated for 12 schemes in January 2006. (The agreement papers at 10 schemes were signed by IDC and IFC, although the paper at 1 scheme (Ahsaiman) was signed by IFC. 10 schemes: Okyereko, Mankessim, Afife, Kpandor Tokor, Anum Valley, Tanoso, Sata, Bontanga, Ligba, Golinga. Kpong scheme is remained.)</p> <p>Achieved: 8 trainings approved by a Japanese expert were implemented by GIDA. 2 trainings are formulated and implemented by GIDA fund and staffs, which will be implemented by the end of September 2006.</p>
Efficiency of the inputs	<p>Timing and period of JICA experts</p>	<p>Comparison with the plan</p> <p>Collection of data from the JICA experts and the C/P</p>	<p>Semi-structural interview with the C/P, the JICA experts, and the JICA Officer</p>	<p>For GIDA, they do not face any problems caused by delayed dispatch of the JICA experts. However, original period of expert's despatch becomes shorter in achieving the objectives of the project.</p>
Pertinency	<p>Pertinency of JICA experts' knowledge and skill</p>	<p>Ditto</p>	<p>Semi-structural interview with the C/P and the JICA experts, Self assessment of the JICA experts, and the JICA Officer</p>	<p>GIDA: very appropriate. There is very long history of JICA cooperation with GIDA, and then selection of the JICA experts is to meet necessary knowledge and skill, according to the group interview with GIDA of 27/7/06.</p>
Present personnel distribution	<p>Present personnel distribution of C/P</p>	<p>Ditto</p>	<p>Semi-structural interview with the C/P and the JICA experts</p>	<p>GIDA: there are attached GIDA's staffs to the JICA experts. However, it is suggested by the Project that official C/P are to be nominated in order to transfer technology in efficient way.</p>

Crit	Evaluating Questions	Source of data	Research Method	Research Result
Criteria	Detailed item			
Forecast of achieving the overall goal	Increment and/or stability of income produced from irrigated agriculture under GIDA	Farming household survey	The income survey conducted as a part of the project scheme survey by local consultant in June 2006.	Prospect of Achievement: The scheme with more than 70% of farm households continuously having increased or stable income from irrigated agriculture in ten years from 1996 to 2005 can be said as beneficial scheme. The existing schemes are classified into four types, namely expanded (4), maintaining (7), suspended and decreased (10), and abandoned (1). This classification is based on the trend of beneficiary area. The survey results, show that all 4 expanded schemes are beneficial. Five out of 7 maintaining schemes are beneficial, and the other 2 schemes are under rehabilitation. One out of 10 suspended or decreased schemes is beneficial, and 7 out of the other 9 schemes are under rehabilitation. Incomes of the farm household and condition of irrigation facility have a positive correlation. The implementation of ongoing rehabilitation is expected to increase and stabilize income of farmers from irrigated agriculture.
	Increment of GIDA irrigation projects based on Joint Irrigation System Management (JISM)	Willingness of both GIDA and IFC, Condition of irrigation facility, Number of GIDA staffs to support the formulation of the agreement	Data collection	Prospect of Achievement: there are three points, namely willingness of both GIDA and IFC for the implementation of JISM, irrigation facility's condition, and human resource to arrange formulation of JIS. Willingness: no doubt that GIDA has strong willingness, according to the group interview of 27/7/06; willingness of IFC can be identified by experience with present target schemes. Irrigation condition: the condition will be improved by implementation of the rehabilitation financed by AgSSIP. GIDA Staffs: 4~5 staffs are directly involved in formulated JISM agreement, and they will be able to follow its process.
Others	Impact of the project to Ghana policy of irrigation agriculture			

Criteria	Evaluating Questions	Source of data	Research Method	Research Result
Sustainability	<p>Organizational Sustainability of GIDA</p> <p>Detailed item</p> <p>Definiteness of the GIDA's roles in agricultural policy</p> <p>Condition of GIDA's budget</p> <p>Further personnel distribution of C/P</p>	<p>Semi-structural interview with the C/P</p> <p>Semi-structural interview with the C/P</p> <p>Semi-structural interview with the C/P</p>	<p>Clear definition: according to the group interview dated of 27/7/06, the GIDA's roles in agricultural policy referring to the National Irrigation Policy is not clear. However, it seems that the roles as implementation agency are crucial in not only GIDA project schemes, but also small irrigation schemes based on community.</p> <p>According to the group interview dated of 27/7/06, 'matching fund' will be used for activity fund. However it is very difficult to receive the fund from MOFEP without cooperation of external organization. Present ordinal budget of GIDA is very limited, and it then is difficult for GIDA to impossible to follow the content of JISM agreement.</p> <p>Depending upon the roles of GIDA in filed of irrigated agriculture.</p>	
	<p>Sustainability for implementation of JISM</p> <p>Continuity of improved training</p>	<p>Confirmation of related person's opinion</p> <p>Confirmation of related person's opinion</p>	<p>Semi-structural interview with the C/P, and the JICA experts</p> <p>Semi-structural interview with the C/P, and the JICA experts</p>	<p>GIDA: good enough knowledge and skill to carry out own duties, but many resignees from GIDA to influence negatively capacity of GIDA. Financial constraint is core problem to implement JISM agreement.</p> <p>IFC: more training needs regarding cooperative management, O&M and WM, according to the IFC survey between 22-29th July 2006.</p> <p>There are in general capacities built to formulate training plans, and to implement the trainings. But provision of necessary budget is essential to implementation of the trainings.</p>
Others	<p>Analysis of Promoting and Hampering factors in its sustainability</p>	<p>Confirmation of related person's opinion</p>	<p>Semi-structural interview with stakeholders</p>	<p>Financial constraints can be clearly identified as the hampering factor. This is because the GIDA's roles in agricultural policy are not clear, and allocation of the budget then is limited. It could be better way for GIDA to negotiate directly with MFEP.</p>

Annex IV : List of Assignment of Counterparts

No.	Name of C/P Staff	Field Rank	Period of Assignment						
			From	To	Remarks	2004	2005	2006	
1	Mr. Kuwaku Owusu BAAH	General Director Chief Director, MOFA	2004.10.01	Present					
2	Mr. Daniel LAMPTEY	Project Director Chief Executive, GIDA	2004.10.01	Present					
3	Mr. Daniel OHIEMENG	Project Manager Deputy Chief Executive, GIDA	2004.10.01	Present					
4	Mr. Sammy M. AKAGBOR	Director Operation, GIDA							
5	Mr. Yaw YEBOAH	Planning and Management Director, Planning, GIDA	2004.10.01	Present					
6	Mr. James AKATSE	Deputy Director of Agriculture Head of Crop Section, IDC	2004.10.01	Present					
7	Mr. Simon APIO	Deputy Director, Farm Machinery and Equipment, Officer In Charge, IDC	2004.10.01	Present					
8	Ms. Joyce AMPOFO	Deputy Director, Head of Soils Section	2004.10.01	Present					
9	Mr. Albert F. SWATSON	Agronomist Head of Rice Section, IDC	2004.10.01	Present					
10	Ms. Alice AMOAH	Assistant Agronomist Staff of Rice Section, IDC	2004.10.01	2006.03.31	from 2006.04- study in Japan				
11	Mr. Bans AKUTEY	Principal Technical Officer Staff of Rice Section IDC	2004.10.01	Present					
12	Mr. Ephariam MACLEAN	Assistant Agronomist Staff of Rice Section, IDC	2005.01.01	Present					
13	Mr. Dixon BAAN	Assistant Agronomist Staff of Crop Section, IDC	2005.03.18	Present					
14	Mr. Richard LAMPTEY	Assistant Agronomist Staff of Crop Section, IDC	2005.03.03	Present					
15	Mr. Samuel Evans-LAMPTEY	Assistant Agronomist Staff of Crop Section, IDC	2005.03.03	Present					
16	Mr. Osei Owusu COLLINS	Assistant Agronomist Staff of Crop Section, IDC	2005.03.03	Resigned 2005.09.12					
17	Mr. Prosper AKUMANI	Agronomist Head of Horticulture Section, IDC	2004.10.01	Present					
18	Mr. Charles N. ADEKU	Assistant Agronomist Staff of Horticulture Section, IDC	2004.10.01	Present					

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No.	Name of C/P Staff	Field Rank	Period of Assignment					
			From	To	Remarks	2004	2005	2006
19	Mr. Timothy NUWORDU	Assistant Agronomist Staff of Horticulture Section, IDC	2004.10.01	2006.01.31	2006.02- C/P training in Japan	.....	.....	.....
20	Mr. Emanuel SACKY	Agric Engineer Head of Water Management Section, IDC	2005.12.15	Present	-2005.12 C/P training in Japan	.....	.....	.....
21	Mr. Eugne AMOAKO	Agric Engineer Staff of Water Management Section, IDC	2004.10.01	Present	leave 2006.04-08	.....	.....	.....
22	Mr. Samuel Y. ABBEY	Assistant Engineer (Agronomist) Staff of Water Management Section, IDC	2004.10.01	Present		.....	.....	.....
23	Mr. Promise AMEGAH	*Technical Officer Staff of Water Management Section, IDC	2004.10.01	Present		.....	.....	.....
24	Mr. Jacob ZUTTAH	Assistant Agronomist Staff of Water Management Section, IDC	2004.10.01	Present		.....	.....	.....
25	Mr. Samuel B. BOAKYE	Agronomist Head of Fmr's Organ & Farm Mang't Sec., IDC	2004.10.01	Present		.....	.....	.....
26	Mr. Benedictus AGBEKO	Assistant Agronomist Staff of Fmr's Organ & Farm Mang't Sec., IDC				.....	.....	.....
27	Ms. Juliet Lithur	Assistant Agronomist Staff of Fmr's Organ & Farm Mang't Sec., IDC	2004.10.01	Present	leave 2006.04-09	.....	.....	.....
28	Mr. Nii Hanson OFOI	Principal Technical Officer Staff of Fmr's Organ & Farm Mang't Sec., IDC	2006.03.01	Present	-2005.11 3rd country training			.....
29	Mr. Joseph NARTEY	Assistant Agronomist Staff of Fmr's Organ & Farm Mang't Sec., IDC	2005.03.03	Present			.....	.....
30	Mr. Chris K. FERUTA- BENE	Principal Agronomist Head of Training Unit, IDC					.....	.....
31	Mr. Peter OFORI- ATTAH	Chief Technician Engineer Staff of Agricultural Machinery Section, IDC	2004.10.01	Present				

Annex V : Long- term Japanese Expert

No.	Name of Expert	Field (Title)	Period of Assignment					
			From	To	Remarks	2004	2005	2006
1	Mr.Hironori TAKAHASHI	Chief Advisor/irrigation management regulation	2004.11.18	2005.03.27				
2	Mr.Hiroshi OGAWA	Chief Advisor/irrigation management regulation	2005.07.31	2006.03.26				
3	Mr.Hiroshi OGAWA	Chief Advisor/participatory irrigation management regulation	2006.05.07	2006.09.28				
4	Mr.Tatusya IEIZUMI	Irrigation Facility Management	2004.11.18	2005.03.27				
5	Mr.Tatusya IEIZUMI	Irrigation Facility Management	2005.05.01	2006.03.29				
6	Mr.Masashiro IIDA	Participatory Irrigation Facility Management	2006.04.28	2006.09.26				
7	Mr. Tomotsu SEIJI	Human Resource Development	2004.10.01	2006.09.30				

Annex V : Short- term Japanese Expert

No.	Name of Expert	Field	Period of Assignment					
			From	To	Remarks	2004	2005	2006
1	Mr. Hisashi IKEWADA	Workshop Facilitation Skill	2005.01.26	2005.02.18				
2	Mr. Masayoshi SATO	Irrigation Facility Management Regulation	2005.08.06	2005.08.15				

Annex VI :

Allocated Budget by Japan for Local Cost Expenditure and Budgetary Allocation by Ghana

The Local Cost Expenditure by the Government of Japan

Active Cost at site		2004	2005	2006	Total
	¥				
Plan	¥	5,000,000	13,927,000	7,648,157	21,575,157
Actual Expenditure	¥	5,704,600	6,000,000	7,648,157	19,352,757
	\$	51,860	54,545	69,528	175,934

1 \$ = 110 ¥

The Local Cost Expenditure by the Government of Ghana

GHC million

		2004	2005	2006	Total
Current Expenditure* G		0	5.9	8.1	14
Matching Fund G			450	900	1,350
(Matching Fund in USD)			49,000	98,000	147,000

1 \$ = 9185GHC

* The budget has been drawn from the Matching Fund

Annex VII : List of Equipment Provided by the Government of Japan

	items	unit price (¥)	Qty	amount (¥)	location	frequency of Use	Condition
1	4WD vehicles	275,832,540	3	827,497,620	head office	daily	Good
2	Copyer	95,000,000	1	95,000,000	head office	daily	Good
3	Laptop Computers	17,106,250	4	68,425,000	head office/IDC	daily	Good
4	Printers	3,277,500	4	13,110,000	head office/IDC	daily	Good
5	Projecters	16,833,700	2	33,667,400	head office	at training	Good
6	Generator	149,478,210	1	149,478,210	Training Center	when necessary	Good
7	Air Conditioners	6,869,565	3	20,608,695	head office/IDC	daily	Good
8	Air Conditioners	6,900,000	1	6,900,000	IDC	daily	Good
9	Printer	2,800,000	4	11,200,000	head office/IDC	daily	Good
10	Printer	3,000,000	1	3,000,000	head office/IDC	daily	Good
11	Portable Generator	7,269,700	1	7,269,700	head office/IDC	at training	Good
12	Desktop Computer	13,200,000	1	13,200,000	IDC	daily	Good
13	Motorcycles	14,782,609	2	29,565,218	IDC	at training	Good
14	Laptop Computers	16,500,000	1	16,500,000	IDC	daily	Good
	Total			1,295,421,843	(=143,936USD)	\$1= ¥ 9,000	

15,832,960 ¥ (1USD=110¥)

ANNEX VIII Basic Data Collection

Basic data I for The condition of schemes related tendency of income from irrigated agriculture
irrigated agriculture

		Farmers got income every year 96-05			income not every year	Rehabilitation situation	status of operation of irrigation facilities 96-05
		upward/ stabe	down/ fluctuating	sub-total			
01	Ashaiman	73%	20%	93%	7%		expanded
02	Dawhenya	0%	0%	0%	100%		suspended
03	Kpong/Asutsuare	85%	0%	85%	15%		expanded
04	Weija	0%	0%	0%	100%	due to Oct/06	suspended
05	Afife	86%	0%	86%	14%	due to Oct/06	expanded
06	Aveyime	0%	0%	0%	100%	due to Oct/06	suspended
07	Kpando Torkor	97%	3%	100%	0%	due to Oct/06	reduced
08	Mankessim	37%	60%	97%	3%	CIDA	sustained
09	Okyereko	100%	0%	100%	0%		expanded
10	Amate	0%	0%	0%	100%		suspended
11	Dedeso	76%	5%	81%	19%		sustained
12	Kikam	-	-	-	-		-
13	Akumadan	0%	0%	0%	100%	due to Oct/06	suspended
14	Anum Valley	17%	33%	50%	50%	CIDA	reduced
15	Sata	0%	8%	8%	92%	due to Oct/06	reduced
16	Subinja	13%	0%	13%	88%	due to Oct/06	reduced
17	Tanoso	7%	0%	7%	93%	due to Oct/06	sustained
18	Bontanga	93%	7%	100%	0%	due to Oct/06	sustained
19	Golinga	76%	21%	97%	3%	SPFS	sustained
20	Libga	87%	13%	100%	0%	SPFS	sustained
21	Tono	76%	0%	76%	24%	CIDA	sustained
22	Vea	63%	30%	93%	7%	CIDA	reduced

Rehabilitation projects financed by AgSSIP have to be finished by October 2006, but most of projects are delayed.

Annex IX Basic Data II: IFC Survey

	Ashaman	Kpong	Weija	Afife	Mankessim	Okyerereko	Akumadan	Anum Valley	Tanoso
Number (female)	96 (17)	1660 (747)	149(24)	1024 (229)	32(18)	131(43)	209 (83)	135 (?)	142 (72)
Sub-committee	Exec, Fin, Agri, Maint, Disc	Land allo, Maint, Disc, Ag, O&M being formulated	Man, Land allo, ISC, Maint, Disc, Mark	Exe with 12 laterals, Mant, Fi, Disc, Ag, Input	Exe, Fi, Ag, Dis, Man, Man	Exec, Ag, Fi, Disc, Mark, Maint, Welfare, Women	Man, Main, Mar, Dis, Land	Exe, Man, Mar, Dis, Land, Ag.	Man, Mark, Dis
Society in IFC	Less Homogenous Society	Homogenous Society for each branch	Homogenous Society	Homogenous Society	Homogenous Society	Homogenous Society	Homogenous Society	Almost Homogenous Society	Homogenous Society
Present areas (ha)	56	3028ha, 776ha for banana under foreign company	0	880	0	45	0	0	40 12 (dry only) + 64
Future areas (ha) after present rehabilitation	(if expanded, 83ha is added)	220 (Dec.2006), and 750ha as potential development (1500ha)	Nil	Nil	17	Nil	65 (Oct.2006)→ 1000 (planned)	Need to repair main channel	64 (dry, Oct. 2006)
Main Ag. production	Rice, Okra, Maize, Cabbage	Rice, Okra, Maize, Rice, Banana	Tomato, Okura, Garden Egg, Peppar	Rice (rain), Okura (dry)	Gar.E, Maize, Okr, Peppar Water M, Sweet P.	Rice Chillies, Okra	Tomatoe, Maize,	Rice (main), Pepper	Okra, Maize, Cowpea
Entrance fee	200,000	50,000	50,000	10,000	10,000	20,000	50,000	300,000	200,000
ISC: Irrigation service fee (/crop/ha)	320,000/crop/acre	790,000/year/ha	3.5M/ha/sea	250,000ha to cover water	300,000/sea/0.5ace	1M/ha/sec.	125,000	600,000	200,000
Special levies	5,000/year/for * welfare	12,500/year as project development fee, 50,000/year for management fee	20,000/sea for operation of IFC	2,000/year as annual member fee, 50,000/year as welfare	12,000/year for	120,000/sea (42kg paddy) for welfare, Sharing capital	Nil	160,000 (2001 for Nil cotton)	
ISC Recovery	50% -	50% -	65%	50%	-	-	-	-	-

Irrigation project	Ashaman	Kpong	Weija	Afife	Mankessim	Okyeroko	Akumadan	Anum Valley	Tanoso
Training	WM, Co-M, Onion seed, O&M, many other trainings under SSIAPP	Many trainings	JISM trainings, WM	Many trainings	JISM training, WM	Many trainings under SSIAP Cooperative management and WM under FAPIM	Crop, WM at site (attended at Tanoso),	Seed, Land preparation, Transplant, Post-harvest, WM, O&M, Accounting	O&M, WM at site,
	Received trainings								
Future training	WM based on Lateral, Co-M	WM, Food process, Marketing		WM, O & M, For other farmers	WM, Agricultural production	Pump service	Vegetable (onion, tomato) seed production	Transplant, Modern technique	WM
		IPM, Account Dep :5, Field Dep :15+5 extension, Main Dep: 70	IMP, 1Account, 1 IPM, 2 Exten, Extension, 1Elec, 1Accou, 3 water IMech, 2 Pump Site offices	1 PM, 2 Exten, 1 bailiff, 1 driver, Site offices	1 PM, Extension, pump, No site office	1 PM, Extension, 1 pump Site offices	1 PM, Extension, pump→2 Site offices under construction	1 PM, Extension, 1 pump Site offices under construction	1 PM, Extension, 1 pump Site offices under construction
GIDA staffs	IPM (Director IDC) 1 Extension Site offices	Happy	Trainings, Maintenance	Many trainings. Satisfaction	Trainings. 6 pumps provided (CIDA) Not much happy Not involvement of expenditure irrigation charge	Trainings, Rental agri. machine (charge). Very Satisfaction	Trainings, Pumps from DA Satisfaction	Trainings, Pumps (from CIDA) Satisfaction	Trainings, Pumps, Extension service Satisfaction
Received	Trainings, less chagre for agri. machine								
Future services	Trains, less chagre for agri. machine	Finanacial support to the project	Small Pump installed is required for economic stability	O&M, Expenditure management, Record keeping, Cooperative mgt		Trainings (refreshing and new knowledge)	Trainings, Financial management (micro bank)	Trainings, Financial management (micro bank), Grouping purchase	Trainings (seed),
		Document prepared, not yet signed	Document prepared, not yet signed	Signed	Signed	Signed	Document prepared, not yet signed	Signed	Signed
Situation	Signed	Less involvement of fish farmers, and banana farmers identified as constraint	Nil, depending upon the rehabilitation	Signed	Nil, depending upon the rehabilitation	Signed	Nil	Signed	Signed
JISM agreement									
Any difficulties									

Irrigation project	Ashaman	Kpong	Weija	Afife	Mankessim	Okyereko	Akumadan	Anum Valley	Tanoso
The Strategies (SSIAPP FU)	Utilization	Developed from original strategies	In use by the MP for considering plan	Utilization, veru useful	Utilization	Utilization	Utilization	Useful to discuss with external resources	Utilization
Remarks	Opinion and explanation of the IFC has been clearly expressed. However, operation of Farmer Bank was suspended due to low recorvering (50%).	Foreign experts funded by ADF(French Dev. Agency) (Grant) served in 98-02 for building staff's capacity. 50% of ISC is used for project staff fees, although basic salary of staffs is paid by GOG. Official situation of the project staffs is identified as GIDA staff.	The irrigated agriculture was suspended 3 years due to electricity debt (700M). In present pumps need much electricity cost.	Only 300 members attended general meetings (3 times/ a year). Collection rate of ISC recovery has been improved by taking their land after two consecutive years, but never happened. ISC bill distributed by water bailiff as new system. Landsise is 0.4-0.5 ha for a farmer. Rice production in dry season is not reasonable due to bird injury	Utilization	Small irrigation rehabilitation (20m) was done by the IFC. Scheme manager (former extension) financed by the IFC is working with the IFC. Sharing capital is an unique activity	Most important expectation of GIDA is to finish rehabilitation on time	More pumps Leveling of irrigated areas is required	Difficultie

FAPIM JOINT COORDINATING COMMITTEE MEETING – 3RD AUGUST, 2006

ATTENDANCE SHEET

No.	Name	Organistaion/Department	Position
1.	Samuel Abu-Bonsrah	MOFEP	Head of Japan, China and South Korea Desk
2	Billy S. Owusu	GIDA	DCE, Engineering
3	Daniel Ohemeng	GIDA	DCE, Agronomy
4	Hiroshi Ogawa	JICA/FAPIM	Chief Advisor
5	Masahiro Iida	JICA/FAPIM	Expert
6	Tamotsu Seiji	JICA/FAPIM	Expert
7.	A. Akoto-Mintah	GIDA	Chief Technical Engineer
8	Kofi Darko	DAES, MOFA	FBO Desk Officer
9.	Daniel Allan	GIDA	Assistant Engineer
10	Murakami Hiroshi	JICA Ghana Office	Resident Representative
11	Kuge Katsuya	JICA Ghana Office	Deputy Resident Representative
12	Hanai Junchi	Japan Terminal Evaluation Team	Team Leader
13	Tokida Tatsuta	Japan Terminal Evaluation Team	Member
14	Akiko Tatsuta	JICA Ghana Office	Project Formulation Advisor
15	Watanabe Junchi	Japan Terminal Evaluation Team	Member
16	Patrick Osew-Owusu	GIDA	Solicitor
17	Stephen Maclean	GIDA	Deputy Director, Engineering
18	Monica Effe Dadzie	JICA/FAPIM	Secretary