

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1991

ASO PAK 303/88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT															
1. COUNTRY	Pakistan	1. SITE OR AREA	Irrigation development with 6,600 ha irrigable area through water resources development of upper Kurang River		1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled														
2. NAME OF STUDY		2. PROJECT COSTS		(US\$1=17.3rupee in 1987) <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;">Total Cost</td> <td style="width: 15%;">Local Cost</td> <td style="width: 15%;">Foreign Cost</td> </tr> <tr> <td>1)</td> <td style="text-align: right;">76,902</td> <td style="text-align: right;">38,318</td> <td style="text-align: right;">38,584</td> </tr> <tr> <td>2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </table>				Total Cost	Local Cost	Foreign Cost	1)	76,902	38,318	38,584	2)				3)	
	Total Cost	Local Cost	Foreign Cost																	
1)	76,902	38,318	38,584																	
2)																				
3)																				
Upper Kurang River Irrigation Project		3. CONTENTS OF MAJOR PROJECT(S)		(Description) After the completion of F/S study, the Government of Pakistan has decided to suspend the project, because the benefitable area of the project engulfs part of city districts (which is called park areas by the Government of Pakistan). However, Sanyu Consultants Inc. is recently requested by the Government of Pakistan to make a conception paper for the project in order to coordinator among the authorities concerned, and it is submitted in Feb., 1990 to the Government of Pakistan.																
3. SECTOR		4. FEASIBILITY AND ITS ASSUMPTIONS																		
Agriculture/ General		Feasibility: Conditions and Development Impacts: The water resources development of upper Kurang River, together with effective utilization of irrigation water for rainfed paddy production in the rural areas of Islamabad capital territory, brings about better supply of vegetables, fruit, and daily products which requires quick delivery to the neighboring big markets in the capital territory, and improve/stabilize the regional farm households' economy.																		
4. REFERENCE NO.		5. TECHINCAL TRANSFER																		
5. TYPE OF STUDY																				
F/S																				
6. COUNTERPART AGENCY																				
Islamabad Capital Territory Administration (ICTA)																				
7. OBJECTIVES OF STUDY																				
8. DATE OF S/W		Implementation Period: Jul.1987 - Feb.1988		2. MAJOR REASONS FOR PRESENT STATUS The higher priority is put on the project in the integrated rural development master plan from 1985 to 1986.																
Feb.1988																				
9. CONSULTANT(S)				3. PRINCIPAL SOURCES OF INFORMATION (1)																
Sanyu Consultants Inc. Nippon Giken																				
10. STUDY TEAM																				
<table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">No. of Members</td> <td style="width: 15%;">10</td> </tr> <tr> <td>Period</td> <td>1987 - Mar. 1988 (months)</td> </tr> <tr> <td>Total M/M</td> <td style="text-align: right;">50.44</td> </tr> <tr> <td> Japan</td> <td style="text-align: right;">19.00</td> </tr> <tr> <td> Field</td> <td style="text-align: right;">31.44</td> </tr> </table>		No. of Members	10				Period	1987 - Mar. 1988 (months)	Total M/M	50.44	Japan	19.00	Field	31.44						
No. of Members	10																			
Period	1987 - Mar. 1988 (months)																			
Total M/M	50.44																			
Japan	19.00																			
Field	31.44																			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY																				
-rock test -embankment material test -physical test for field irrigation soil -water quality test -soil analysis																				
12. EXPENDITURE																				
<table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">Total</td> <td style="width: 15%;">173,991 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td style="text-align: right;">155,446</td> </tr> </table>		Total	173,991 (¥'000)				Contracted	155,446												
Total	173,991 (¥'000)																			
Contracted	155,446																			

和名 クラング川上流かんがい開発計画

PROJECT SUMMARY (M/P + F/S)

Compiled March 1991
Revised

ASO PAK 201A /89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Pakistan	1. SITE OR AREA	Swat Area, NSFP Province		1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Swat District Integrated Rural Development Project	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	US\$1 = 21R Total Cost Local Cost Foreign Cost		
3. SECTOR	Agriculture/ General		1) 745,380	(Description) In NWFP this masterplan study is utilized as a guidebook for mountain belt area, and the priority development plan is highly evaluated by the local government and applied as one of the standard. Shangla Par district was selected as the first priority project in the masterplan study area for integrated rural development, for which the local government will submit request letter to the Federal government to apply 1991 Grant-aid from the Japanese Government.	
4. REFERENCE NO.			2)		
5. TYPE OF STUDY	M/P+(F/S)	3. MAJOR PROJECT(S) PROPOSED			
6. COUNTERPART AGENCY	NWFP, Local Government and Rural Development Department	- Agricultural Infrastructure Improvement - Agricultural Supporting Service - Improvement of Road and Communication Networks - Rural Electrification - Village Water Supply - Social Infrastructure Improvement - Village Community			
7. OBJECTIVES OF STUDY					
8. DATE OF S/W	Apr. 1988	4. CONDITIONS AND DEVELOPMENT IMPACTS			
9. CONSULTANT(S)	Sanyu Consultants Inc. Pacific Consultants International				
10. STUDY TEAM	No. of Members 9 Period Oct. 1988 - Dec. 1989 (15 months) Total M/M 49.77 Japan 20.59 Field 29.18				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER			
12. EXPENDITURE	Total 165,783 (¥000) Contracted 158,592	On-the-job training for the counterpart staff and training in Japan for the staff of Rural Development Department.			
				2. MAJOR REASONS FOR PRESENT STATUS	
				3. PRINCIPAL SOURCES OF INFORMATION	
				(1)	

和名 スワット地域農村総合開発計画

{M/P, M/P+(F/S), Basic Study, Other}

PROJECT SUMMARY (M/P + F/S)

Compiled March 1991
Revised

ASO PAK 201B /89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Pakistan	1. SITE OR AREA	Shangla Par District in NWFP		
2. NAME OF STUDY	Swat District Integrated Rural Development Project	2. PROJECT COSTS	Total Cost	Local Cost	Foreign Cost
3. SECTOR	Agriculture/ General		1) (US\$1,000)	2)	3)
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)	<ul style="list-style-type: none"> - Agricultural Infrastructure Improvement - Agricultural Supporting Service - Improvement of Road and Communication Networks - Rural Electrification - Village Water Supply - Social Infrastructure Improvement - Village Community 		
5. TYPE OF STUDY	(M/P)+F/S	Implementation Period:	Jan.1990 - Dec.2005		
6. COUNTERPART AGENCY	NWFP, Local Government and Rural Development Department	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR	
7. OBJECTIVES OF STUDY		Feasibility:			
8. DATE OF S/W	Apr.1988	Conditions and Development Impacts:			
9. CONSULTANT(S)	Sanyu Consultants Inc. Pacific Consultants International				
10. STUDY TEAM	No. of Members 9 Period Oct.1988 - Dec.1989 (15 months) Total M/M 49.77 Japan 20.59 Field 29.18				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINICAL TRANSFER	On the job training for the counterpart staff and training in Japan for the staff of Rural Development Department		
12. EXPENDITURE	Total 165,783 (¥000) Contracted 158,592				
		1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing		
		(Description)	Pre-feasibility study was made on the first priority project selected among the masterplan area, for which Pakistan Government will request to the Japanese Government the Grant-aid of FY 1991. The component of the project will be as follows: - Agricultural Infrastructure Improvement - Agricultural Development - Road Networks Improvement - Village Water Supply Estimated Cost: US\$15.19 million		
		2. MAJOR REASONS FOR PRESENT STATUS	Increase of living standard and improvement of living environment of the village farmers of the mountain belt areas will be required.		
		3. PRINCIPAL SOURCES OF INFORMATION	(1)		

PROJECT SUMMARY (F/S)

ASE PHI 301 /76

Compiled March 1990
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Philippines	1. SITE OR AREA	Cagayan River Basin of Cagayan Province	1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing
2. NAME OF STUDY	Cagayan Integrated Agricultural Development Project	2. PROJECT COSTS	Total Cost Local Cost Foreign Cost (US\$1,000) 1) 2) 3)	(Description)	
3. SECTOR	Agriculture/ General	3. CONTENTS OF MAJOR PROJECT(S)	Projects Areas are in following three areas 1. Iguig district A : 900ha pump 600mm x 3 units 2. Alcala Amulung A : 3,000ha pump 800mm X 3 units 3. Aparri (Lower cagayan) A : 11,000ha pump 1,500mm X 4 units		
4. REFERENCE NO.		Implementation Period:	1977 - 1982	1977.4.28 OECF L/A ¥6.16 billion 1978 started 1988 completed	
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR FIRR Feasibility: Conditions and Development Impacts: (1) Irrigation Impacts: Complete double cropping has been possible in paddy of 15,000ha in these 3 districts above. (2) Electrification of villages: Village electrification plan was promoted in Aparri district.		
6. COUNTERPART AGENCY	CIADP related agencies NIA, NEA, PW	10. STUDY TEAM		2. MAJOR REASONS FOR PRESENT STATUS	
7. OBJECTIVES OF STUDY		No. of Members 10 Period May.1975 - Jun.1976 (13 months) Total M/M Japan Field			
8. DATE OF S/W		11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		3. PRINCIPAL SOURCES OF INFORMATION	
9. CONSULTANT(S)	Sanyu Consultants, Inc. Other	12. EXPENDITURE	5. TECHINCAL TRANSFER Overseas training was done during the period of project implementation		
		Total 91,893 (¥'000) Contracted 82,482		(1)	

和名 カガヤン農業総合開発

(F/S, (M/P)+F/S, D/D)

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1991

ASE PHI 302/77

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT																			
1. COUNTRY	Philippines	1. SITE OR AREA	Manila and Cebu			1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled																		
2. NAME OF STUDY	Grain Terminal Construction Projects in Manila and Cebu	2. PROJECT COSTS																							
3. SECTOR	Agriculture/ Irrigation, Drainage & Reclamation	<table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">Total Cost</td> <td style="text-align: center;">Local Cost</td> <td colspan="2" style="text-align: center;">Foreign Cost</td> </tr> <tr> <td style="text-align: right;">(US\$1,000)</td> <td style="text-align: center;">1) 13,800</td> <td style="text-align: center;">7,800</td> <td colspan="2"></td> </tr> <tr> <td></td> <td style="text-align: center;">2) 6,600</td> <td style="text-align: center;">3,700</td> <td colspan="2"></td> </tr> <tr> <td></td> <td style="text-align: center;">3)</td> <td></td> <td colspan="2"></td> </tr> </table>				Total Cost	Local Cost	Foreign Cost		(US\$1,000)	1) 13,800	7,800				2) 6,600	3,700				3)				(Description) Unclear
	Total Cost	Local Cost	Foreign Cost																						
(US\$1,000)	1) 13,800	7,800																							
	2) 6,600	3,700																							
	3)																								
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)																							
5. TYPE OF STUDY	F/S	Manila: Construction of 26,000 tons grain terminal silo. Installation of 300 tons/hour pneumatic unloaders. Cebu: Construction of 10,000 tons grain terminal silo. Installation of 150 tons/hour pneumatic unloaders and construction of 2,000 tons/month corn grits mill.																							
6. COUNTERPART AGENCY	National Grains Authority																								
7. OBJECTIVES OF STUDY		Implementation Period:																							
8. DATE OF S/W		4. FEASIBILITY AND ITS ASSUMPTIONS		EIRR		FIRR																			
9. CONSULTANT(S)	Nisshin Engineering Co., Ltd.	Feasibility:																							
10. STUDY TEAM	No. of Members 12 Period Oct.1976 - Apr.1977 (7 months) Total M/M Japan Field	Conditions and Development Impacts: 1. Cost reduction of imported grain transportation, unloading and storage. 2. Extermination of damage from insects and rodents and prevention of deterioration of grain																							
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINCAL TRANSFER			2. MAJOR REASONS FOR PRESENT STATUS																				
12. EXPENDITURE	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Total</td> <td style="text-align: right;">72,011 (¥000)</td> </tr> <tr> <td style="text-align: right;">Contracted</td> <td style="text-align: right;">61,397</td> </tr> </table>	Total	72,011 (¥000)	Contracted	61,397				According to the informal release by the JICA's personnel, the local procurement in the counterpart country did not go as expected, and the project has not been realized yet.																
Total	72,011 (¥000)																								
Contracted	61,397																								
					3. PRINCIPAL SOURCES OF INFORMATION																				
					(1)																				

和名 穀物ターミナルサイロ建設計画プロジェクト (マニラ・セブ地区)

(F/S, (M/P)+F/S, D/D)

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1991

ASE PHI 303/78

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT												
1. COUNTRY	Philippines	1. SITE OR AREA	Wahig-Pamacsaran River Basin of Bohol Island	1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled											
2. NAME OF STUDY	Bohol Integrated Agricultural Development Project	2. PROJECT COSTS	<table style="width: 100%; border: none;"> <tr> <td style="text-align: right;">Total Cost</td> <td style="text-align: center;">43,600</td> <td style="text-align: right;">Local Cost</td> <td style="text-align: center;">18,400</td> <td style="text-align: right;">Foreign Cost</td> <td style="text-align: center;">25,200</td> </tr> <tr> <td style="text-align: right;">(US\$1,000)</td> <td style="text-align: center;">1)</td> <td style="text-align: right;"></td> <td style="text-align: center;">2)</td> <td style="text-align: right;"></td> <td style="text-align: center;">3)</td> </tr> </table>	Total Cost	43,600	Local Cost	18,400	Foreign Cost	25,200	(US\$1,000)	1)		2)		3)	(Description) This project is under construction by National Irrigation Administration using OECF loan. 1980.6.22 OECF L/A (E/S) 90 million yen 1983.9.9 OECF L/A 4.6 billion yen
Total Cost	43,600	Local Cost	18,400	Foreign Cost	25,200											
(US\$1,000)	1)		2)		3)											
3. SECTOR	Agriculture/ General	3. CONTENTS OF MAJOR PROJECT(S)	Water development in Wahig-Pamacsaran River, Irrigation and drainage, Consolidation of farm road and terminal facilities Irrigation area: 5,000ha													
4. REFERENCE NO.		Implementation Period:	Aug.1977 - Mar.1978													
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR FIRR 17.0%													
6. COUNTERPART AGENCY	NIA (National Irrigation Administration) and two others	Feasibility:	Yes													
7. OBJECTIVES OF STUDY		Conditions and Development Impacts:	Conditions: 1.To increase agricultural production 2.To improve living environment 3.To create employment opportunities for people around the project district Development Impacts: 1.Increase of agricultural production by introduction of irrigation system 2.Contribution to self-sufficiency of the stable food 3.Increase of employment 4.correction of imbalanced income distribution 5.Alleviation of energy restriction 6.Improvement of traffic network 7.Dissemination of agricultural technology													
8. DATE OF S/W	Mar.1977	5. TECHNICAL TRANSFER														
9. CONSULTANT(S)	Sanyu Consultants Inc	12. EXPENDITURE	<table style="width: 100%; border: none;"> <tr> <td style="text-align: right;">Total</td> <td style="text-align: center;">197,006 (¥000)</td> </tr> <tr> <td style="text-align: right;">Contracted</td> <td style="text-align: center;">111,856</td> </tr> </table>	Total	197,006 (¥000)	Contracted	111,856									
Total	197,006 (¥000)															
Contracted	111,856															
10. STUDY TEAM	No. of Members 13 Period Aug.1977 - Nov.1977 (3 months) Total M/M Japan Field	2. MAJOR REASONS FOR PRESENT STATUS														
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		3. PRINCIPAL SOURCES OF INFORMATION	(1)													

和名 ボホール農業総合開発計画

PROJECT SUMMARY (F/S)

ASE PHI 304/80

Compiled March 1990
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Philippines	1. SITE OR AREA	Ilocos Norte Province in northwest end of Luzon Island		1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input checked="" type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Ilocos Norte Irrigation Project : Phase II	2. PROJECT COSTS	Total Cost	Local Cost		
3. SECTOR	Agriculture/ General		1) 42,000	22,000	20,000	(Description) 1981.6.16 OECF L/A ¥5 billion 1980.6.20 OECF L/A (E/S) ¥70 million OECF loan was made for the project Phase I, and detail design (July 1980-July 1981) and S/V (Apr.1982-Dec.1983) were completed. Pilot project of irrigation end facilities construction was implemented between 1981 and 1982 by Japanese grant aid. Flood control task of this project will start in March 1991 by OECF loan.
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)				
5. TYPE OF STUDY	F/S		Phase I	Phase II		
6. COUNTERPART AGENCY	National Irrigation Administration	Irrigation area	10,200 ha			
7. OBJECTIVES OF STUDY		Diversion Weir	5 places			
8. DATE OF S/W	Nov. 1975	Irrigation canal	200 km			
9. CONSULTANT(S)	Sanyu Consultants, Inc.	Drainage canal	150 km			
10. STUDY TEAM	No. of Members 16 Period Aug.1978 - Dec.1980 (17 months) Total M/M 96.92 Japan 37.18 Field 59.74	Note: Cost 1) above is for Phase I. Period 1) below is for Phase I and 2) is for Phase II.	Implementation Period: 1980 - 1984 1982 - 1987			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
12. EXPENDITURE	Total 328,554 (¥000) Contracted 290,172	Feasibility:	1) 13.2%	2) 14.0%		
		Conditions and Development Impacts: Development Impacts: This will lead to the creation of agricultural benefit by the increase of agricultural productivity arisen from stable supply of irrigation water through building agricultural water facilities, and the increase of farmers' income *EIRR 1) is for Phase I and 2) is for Phase II.				
		5. TECHINICAL TRANSFER	Survey method and development planning method in each sector were transferred to counterparts assigned during the period of the survey			
			2. MAJOR REASONS FOR PRESENT STATUS			
			3. PRINCIPAL SOURCES OF INFORMATION			
			(1)			

和名 イロコスノルテかんがい計画

(F/S, (M/P)+F/S, D/D)

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1991

ASE PHI 309/83

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT																					
1. COUNTRY	Philippines	1. SITE OR AREA	Bulacan and Pampanga Provinces, Central Luzon Islands, area 35,000 ha		1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing																				
2. NAME OF STUDY Improvement Project of the Operation and Maintenance of National Irrigation Systems (AMRIS)		2. PROJECT COSTS US\$1=11P in 1982																								
3. SECTOR Agriculture/ General		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">Total Cost</td> <td style="width: 10%; text-align: center;">Local Cost</td> <td style="width: 10%; text-align: center;">Foreign Cost</td> </tr> <tr> <td>(US\$1,000)</td> <td>1)</td> <td style="text-align: center;">46,450</td> <td style="text-align: center;">23,723</td> <td style="text-align: center;">22,727</td> </tr> <tr> <td></td> <td>2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>3)</td> <td></td> <td></td> <td></td> </tr> </table>					Total Cost	Local Cost	Foreign Cost	(US\$1,000)	1)	46,450	23,723	22,727		2)					3)				(Description) -To realize the effective use of state operated irrigation and drainage facilities and reduce the cost of maintenance and management, Philippine Government tries to recover the function of those facilities and improve them and organize farmers for the transfer of facilities management to beneficiary farmers. After the political charge, national investment is stagnant. -On the other hand experimental field for upland irrigation was built in the project site(S. Rafael, Bulacan Province) as one of measures to promote upland production by Japanese technical cooperation, and several experiments have been started. -1988.10.24 grant aid E/N ¥1.27 billion (Costruction project of farm land irrigation technology center)	
		Total Cost	Local Cost	Foreign Cost																						
(US\$1,000)	1)	46,450	23,723	22,727																						
	2)																									
	3)																									
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S) Diversion weir : building & repair 4 places terminal facilities 34,965 ha Irrigation canal : building & repair 271.3 km Drainage canal : building & repair 202.3 km Road : building & repair 285.8 km																								
5. TYPE OF STUDY F/S		Implementation Period: Jan.1984 - Dec.1990			2. MAJOR REASONS FOR PRESENT STATUS All of the public investment has been delayed due to turmoil and drop of Philippine economy. It is necessary to observe carefully with the relation of new development projects.																					
6. COUNTERPART AGENCY NIA(National Irrigation Administration)		4. FEASIBILITY AND ITS ASSUMPTIONS <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">EIRR</td> <td style="width: 10%; text-align: center;">FIRR</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">17.53%</td> <td></td> </tr> </table> Feasibility: Yes							EIRR	FIRR			17.53%													
		EIRR	FIRR																							
		17.53%																								
7. OBJECTIVES OF STUDY		Conditions and Development Impacts: Conditions: -Cost reduction through repair of facilities and improvement of maintenance and management function -Increase of profit by intrduction of field crops Development Impacts: -Effective use of state-operated irrigation facilities implemented by NIA -Improvement of maintenance and management function by improving irrigation and drainage facilities in newly expanded areas			3. PRINCIPAL SOURCES OF INFORMATION (1)																					
8. DATE OF S/W Feb.1982		5. TECHINCAL TRANSFER transfer to NIA																								
9. CONSULTANT(S) Sanyu Consultants Inc. Kyowa Engineering Consultants Co.,Ltd.		10. STUDY TEAM <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">No. of Members</td> <td style="width: 10%;">21</td> <td colspan="2"></td> </tr> <tr> <td>Period</td> <td>Sep.1982 - Feb.1984 (17 months)</td> <td colspan="2"></td> </tr> <tr> <td>Total M/M</td> <td>79.05</td> <td colspan="2"></td> </tr> <tr> <td>Japan</td> <td>14.11</td> <td colspan="2"></td> </tr> <tr> <td>Field</td> <td>64.94</td> <td colspan="2"></td> </tr> </table>			No. of Members	21			Period	Sep.1982 - Feb.1984 (17 months)			Total M/M	79.05			Japan	14.11			Field	64.94				
No. of Members	21																									
Period	Sep.1982 - Feb.1984 (17 months)																									
Total M/M	79.05																									
Japan	14.11																									
Field	64.94																									
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		12. EXPENDITURE <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">Total</td> <td style="width: 10%; text-align: center;">367,794 (¥'000)</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">204,964</td> </tr> </table>					Total	367,794 (¥'000)			Contracted	204,964														
		Total	367,794 (¥'000)																							
		Contracted	204,964																							

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1991

ASE PHI 311 /85

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Philippines	1. SITE OR AREA	Asue river and adjacent basin (irrigated area: 6,760ha)		1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Implementing <input type="radio"/> Processing <input checked="" type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Asue River Basin Agricultural Development Project	2. PROJECT COSTS	US\$1=240Yen in Oct.1984			
3. SECTOR	Agriculture/ General		Total Cost	Local Cost	(Description) Irrigation development projects have been largely suspended in the Philippines due to worsened financial status of government. Although NIA would like to implemente the project early, there is no movement to realize this project as of the present.	
4. REFERENCE NO.			1) 38,470	16,927		
5. TYPE OF STUDY	F/S		(US\$1,000) 2) 72,813	40,408		
6. COUNTERPART AGENCY	National Irrigation Authority	3. CONTENTS OF MAJOR PROJECT(S)		32,405		
7. OBJECTIVES OF STUDY	Integrated rural development in Asue and adjoining basin	Outside benefit area: Dam and appurtenant facilities, basin alteration channel, hydropower plant, transmission facilities, water service facilities Inside Benefit area: Asue weir, Bakabak weir, Gubaton weir, main irrigation canal and appurtenant facilities, Asue river improvement works, drainage canal, roads and appurtenant facilities, terminal facilities, rural community center				
8. DATE OF S/W	Jan.1983	Implementation Period:				
9. CONSULTANT(S)	Chuo Kaihatsu Corporation Sanyu Consultants Inc. Tamano Consultans	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
10. STUDY TEAM	No. of Members 12 Period May.1984 - Aug.1985 (16 months) Total M/M 70.43 Japan 31.26 Field 39.17	Feasibility:	13.2%	9.7%	2. MAJOR REASONS FOR PRESENT STATUS	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		Conditions and Development Impacts: Project impacts on national socio-economy: 1. Contribution to food self sufficiency 2. Contribution to national economy 3. Contribution to reduction of oil imports 4. Saving of foreign currency 5. Improvement of living standards and nutrition Project impacts on Project areas: 1. Stabilization of livelihood and increased income 2. Improvement of health, sanitation and living environment 3. Increase of employment opportunities 4. Strengthening of road network 5. Household electrification 6. Improvement of quality and marketability of farm products 7. Stabilization of domestic water supply 8. Community activities through community center 9. Improvemnt of farmer incentive to participate in project through irrigation facility O/M groups				
12. EXPENDITURE	Total 225,491 (¥000) Contracted 210,094	5. TECHINCAL TRANSFER	Training in Japan		3. PRINCIPAL SOURCES OF INFORMATION (1)	

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1991

ASE PHI 312/85

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT																													
1. COUNTRY	Philippines	1. SITE OR AREA			1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled																												
2. NAME OF STUDY		Warig River Basin of Bohol Islands irrigation area 5,300ha, drainage area 12,700ha																																
Bohol Irrigation Development Project (Phase II)		2. PROJECT COSTS			(Description) Although the whole project is not materialized, small dam, main and branch canals, and on-farm facilities whose service area is about 750 ha are presently implemented as the grant aid project by Japanese government.																													
3. SECTOR		US\$1=18P																																
Agriculture/ General		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">Total Cost</td> <td style="width: 10%; text-align: center;">Local Cost</td> <td style="width: 10%; text-align: center;">Foreign Cost</td> <td style="width: 10%;"></td> </tr> <tr> <td style="text-align: center;">(US\$1,000)</td> <td style="text-align: center;">1) 36,556</td> <td style="text-align: center;">2) 14,333</td> <td style="text-align: center;">3) 22,222</td> <td></td> </tr> </table>						Total Cost	Local Cost	Foreign Cost		(US\$1,000)	1) 36,556	2) 14,333	3) 22,222																			
	Total Cost	Local Cost	Foreign Cost																															
(US\$1,000)	1) 36,556	2) 14,333	3) 22,222																															
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)																																
5. TYPE OF STUDY		1) Water Resources Development of Warig River and other rivers in the area.																																
F/S		2) Arrangement of irrigation, drainage, farm roads and other on-farm facilities.																																
6. COUNTERPART AGENCY		Concretely, - Water resources development by Boyongan reservoir and Capayas reservoir - Irrigated areas of 5,300 ha and 3,540 ha in rainy season and dry season, respectively - Drinking water supply																																
National Irrigation Authority		Implementation Period: Jan.1987 - Dec.1991																																
7. OBJECTIVES OF STUDY		4. FEASIBILITY AND ITS ASSUMPTIONS																																
8. DATE OF S/W		EIRR FIRR																																
Feb.1984		15.4%																																
9. CONSULTANT(S)		Feasibility: Yes																																
Sanyu Consultants Inc. Nihon Suido Consultants Co., Ltd. Naigai Engineering Co., Ltd. Asahi Aerial Survey Co., Ltd.		Conditions and Development Impacts:																																
10. STUDY TEAM		1) Improvement of Living Standard of Regional Farmers.																																
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">No. of Members</td> <td style="width: 15%;">12</td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> <tr> <td>Period</td> <td>Dec.1984 - Dec.1985 (13 months)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Jun.1984 - Dec.1984 (7 months)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Total M/M</td> <td>51.13</td> <td></td> <td></td> <td></td> </tr> <tr> <td> Japan</td> <td>19.10</td> <td></td> <td></td> <td></td> </tr> <tr> <td> Field</td> <td>32.03</td> <td></td> <td></td> <td></td> </tr> </table>		No. of Members	12				Period	Dec.1984 - Dec.1985 (13 months)					Jun.1984 - Dec.1984 (7 months)				Total M/M	51.13				Japan	19.10				Field	32.03				2) Supply of Drinking Water (3.9 l/s or 366 m ³ /day).		
No. of Members	12																																	
Period	Dec.1984 - Dec.1985 (13 months)																																	
	Jun.1984 - Dec.1984 (7 months)																																	
Total M/M	51.13																																	
Japan	19.10																																	
Field	32.03																																	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		3) Production Increase of Rice, Beans, Groundnuts, Maize, Fruit to 29,900 ton, 420 ton, 710 ton, 1,130 ton, and 3,740 ton, respectively.																																
12. EXPENDITURE		5. TECHINICAL TRANSFER																																
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">Total</td> <td style="width: 15%; text-align: center;">197,006 (¥000)</td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> <tr> <td></td> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">189,602</td> <td></td> <td></td> </tr> </table>			Total	197,006 (¥000)				Contracted	189,602			2. MAJOR REASONS FOR PRESENT STATUS																						
	Total	197,006 (¥000)																																
	Contracted	189,602																																
		3. PRINCIPAL SOURCES OF INFORMATION																																
		(1)																																

PROJECT SUMMARY (M/P)

Compiled March 1990
Revised March 1991

ASE PHI 101 /87

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Philippines	1. SITE OR AREA	Region II (Isabela, Quirino, Ifugao) 102,000 ha		
2. NAME OF STUDY	Improvement Project of the O & M of Magat River Integrated Irrigation System	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS			
3. SECTOR	Agriculture/ General		Total Cost	Local Cost	Foreign Cost
4. REFERENCE NO.			1) 51,707	17,317	34,390
5. TYPE OF STUDY	M/P		2)		
6. COUNTERPART AGENCY	National Irrigation Administration	3. MAJOR PROJECT(S) PROPOSED		(Description) No particular movement (change).	
7. OBJECTIVES OF STUDY		The Better Use of the Water Resources The Effective & Equal Diversion of Irrigation Water The Organization of Maintenance & Operation The Improvement of Facilities The Preparation of the Manual for Maintenance & Operation			
8. DATE OF S/W	Nov.1985				
9. CONSULTANT(S)	Sanyu Consultants Inc. Naigai Engineering Co., Ltd. Nihon Suiko Consultants Co., Ltd.				
10. STUDY TEAM	No. of Members 18 Period Feb.1986 - Mar.1987 (14 months) Total M/M 130.35 Japan 54.07 Field 70.78	4. CONDITIONS AND DEVELOPMENT IMPACTS		2. MAJOR REASONS FOR PRESENT STATUS	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		To Reinforce Maintenance & Operation of Irrigation Facilities such as Magat Dam and Waterway Network constructed by NIA through fund of ADB and IBRD.			
12. EXPENDITURE	Total 361,519 (¥000) Contracted 330,294			5. TECHNICAL TRANSFER	
		(1) OJT (2) Acceptance of Trainee (Maintenance & Operation Soft Ware)			

和名 マガットかんがいシステム維持管理強化計画

{M/P, M/P+(F/S), Basic Study, Other}

PROJECT SUMMARY (M/P)

Compiled March 1990
Revised March 1991

ASE PHI 102/88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS																
1. COUNTRY	Philippines	1. SITE OR AREA	Western Samar Province in Samar Island (excluding small islands)																	
2. NAME OF STUDY	Integrated Agricultural/Rural Development Project in Western Samar	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS																		
3. SECTOR	Agriculture/ General	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">1)</td> <td style="width: 10%; text-align: center;">422,500</td> <td style="width: 10%; text-align: center;">Local Cost</td> <td style="width: 10%; text-align: center;">Foreign Cost</td> </tr> <tr> <td></td> <td style="text-align: center;">2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			1)	422,500	Local Cost	Foreign Cost		2)									1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
	1)	422,500	Local Cost	Foreign Cost																
	2)																			
4. REFERENCE NO.		3. MAJOR PROJECT(S) PROPOSED		(Description) Model plan of ADPP was formulated for the top priority area (San Jorge/Gandara area) during Phase II Study. The priority was put on irrigation and drainage, farm road and rural water supply. B/D for Grant Aid was made during January - March 1990. The implementation was started in January 1991.																
5. TYPE OF STUDY	M/P	Agricultural Development Promotion Project (ADPP) was proposed for 4 priority areas, i.e., San Jorge/Gandara, Jamonini, Calbiga and Basey. The components are as follows: (1) Agricultural development (2) Rural infrastructure development (3) Post-harvest and marketing facility development (4) Farmers Organization (5) ADPP Office																		
6. COUNTERPART AGENCY	Samar Integrated Rural Development Office	4. CONDITIONS AND DEVELOPMENT IMPACTS																		
7. OBJECTIVES OF STUDY		In Western Samar Province, the plans are for: 1) irrigation, 2) drainage, 3) agricultural development, 4) farm road, 5) rural electrification, 6) rural water supply, 7) social infrastructure, 8) farm organization The objectives are: 1) increase in farmers' income, and 2) promotion of employment opportunity. Short-term, Medium-term, and Long-term strategies were proposed.																		
8. DATE OF S/W	Dec.1986	9. CONSULTANT(S)		2. MAJOR REASONS FOR PRESENT STATUS																
9. CONSULTANT(S)	Sanyu Consultants Inc. Pacific Consultants International Talyo Consultants Co.,Ltd.	10. STUDY TEAM																		
10. STUDY TEAM	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">No. of Members</td> <td style="width: 15%;">13</td> </tr> <tr> <td>Period</td> <td>Mar.1987 - Dec.1988 (15 months)</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td>Total M/M</td> <td>95.86</td> </tr> <tr> <td> Japan</td> <td>40.17</td> </tr> <tr> <td> Field</td> <td>55.69</td> </tr> </table>	No. of Members	13	Period	Mar.1987 - Dec.1988 (15 months)			Total M/M	95.86	Japan	40.17	Field	55.69	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		3. PRINCIPAL SOURCES OF INFORMATION				
No. of Members	13																			
Period	Mar.1987 - Dec.1988 (15 months)																			
Total M/M	95.86																			
Japan	40.17																			
Field	55.69																			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Discharge Observation	5. TECHINCAL TRANSFER																		
12. EXPENDITURE	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Total</td> <td style="width: 15%;">320,573 (¥000)</td> </tr> <tr> <td>Contracted</td> <td>268,403</td> </tr> </table>	Total	320,573 (¥000)	Contracted	268,403	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">1) Acceptance of trainees</td> <td style="width: 15%;"></td> </tr> <tr> <td>2) Direction of measuring equipment (flow meter, etc.)</td> <td></td> </tr> <tr> <td>3) Co-working during report preparation</td> <td></td> </tr> </table>		1) Acceptance of trainees		2) Direction of measuring equipment (flow meter, etc.)		3) Co-working during report preparation		(1)						
Total	320,573 (¥000)																			
Contracted	268,403																			
1) Acceptance of trainees																				
2) Direction of measuring equipment (flow meter, etc.)																				
3) Co-working during report preparation																				
12. EXPENDITURE																				

和名 西サマール農村総合開発計画

(M/P, M/P+(F/S), Basic Study, Other)

PROJECT SUMMARY (F/S)

ASE PHI 313/88

Compiled March 1990
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Philippines	1. SITE OR AREA	Project Area - 1,420 hectares in La Trinidad, Province of Benguet			1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Highland Integrated Rural Development Project in La Trinidad, Province of Benguet	2. PROJECT COSTS	US\$1=24.2P in 1988 Total Cost Local Cost Foreign Cost 1) 12,460 5,220 7,240 (US\$1,000) 2) 3)			
3. SECTOR	Agriculture/ General	3. CONTENTS OF MAJOR PROJECT(S)	Intake Facilities 8 Pond 11 (68,500 cu.m) Lateral Conduit 25 km Delivery Conduit 30 km Diversion Box 120 Deep Well 3 Rural Road 30 km Community Center 7			(Description) 1. Project formulation and preparation - Period of basic design study : Dec.1988 - Apr.1989 - Consultant: Nippon Giken Inc. 2. Implementation of the project (Phase I) - Date and amount of E/N : Jun. 1989, 16.42 billion Yen - Period of detailed design: Jun.1989 - Oct.1989 - Period of construction work: Nov.1989 - Nov.1990 - Consultant: Nippon Giken Inc. - contractor: Tobishima Corporation (Phase II) - Date and amount of E/N : Jul. 1990, 11.42 billion Yen - Period of detailed design: Jul. 1990 - Oct.1990 - Period of construction work: Nov.1990 - Nov.1991 (under construction) - Consultant: Nippon Giken Inc. - Contractor: Tobishima Corporation
4. REFERENCE NO.		Implementation Period:	Dec.1988 - Mar.1992			
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
6. COUNTERPART AGENCY	Provincial Government of Benguet (PGB)	Feasibility:	Yes			
7. OBJECTIVES OF STUDY	Formulating the Highland Integrated Rural Development Plan in La Trinidad for promoting highland agriculture and improving the living standards for the inhabitants in rural areas.	Conditions and Development Impacts:	Conditions: Proposed component, which is required for the promotion of agricultural productivity and social environment in rural area, is selected to overcome major existing restrictions on the development in the study area Development Impact: 1) Increase of supply in quantity of vegetables and cut-flowers in Metro-Manila and the Central Regions 2) Increase of employment and training effect 3) Increase of farm household income and property value 4) Stable supply of potable and household water 5) Activation of rural area			
8. DATE OF S/W	Mar.1987					
9. CONSULTANT(S)	Nippon Giken Inc. Nippon Koei Co.,Ltd.					
10. STUDY TEAM	No. of Members 10 Period Jul.1987 - Nov.1988 (14 months) Total M/M 57.49 Japan 23.87 Field 33.62					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Rural Road Surveying and Irrigation Canal Surveying. Drilling of Test Wells					
12. EXPENDITURE	Total 196,643 (¥000) Contracted 170,000	5. TECHINCAL TRANSFER	1. Acceptance of Trainee			
			2. MAJOR REASONS FOR PRESENT STATUS 1. Implementation of this development Project is considered vital and urgent in view of high potentiality. 2. This project has an important and regional role to supply the highland vegetables to Metro-Manila and the Central regions. 3. High priority was given to the implementation of this project for the reason that this is the first project carried out by the provincial government with technical cooperation by the Government of Japan.			
			3. PRINCIPAL SOURCES OF INFORMATION (1)			

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1991

ASE PHI 314 /88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Philippines	1. SITE OR AREA		1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Improvement of Operation and Maintenance in Pumping Irrigation Systems	National Pump Irrigation Systems (Excluding groundwater irrigation systems)		(Description)	The project is listed as one of proposed schemes for implementation under the Grant Aid Program for 1991.
3. SECTOR	Agriculture/ Irrigation, Drainage & Reclamation	2. PROJECT COSTS	US\$1=21 Peso Total Cost Local Cost Foreign Cost 1) 16,715.50 (US\$1,000) 2) 3)		
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)			
5. TYPE OF STUDY	F/S	The projects are comprised of the rehabilitation and improvement of the following systems: 1. Bonga #1 2. Bonga #2 3. Bonga #3 4. Alcalá - Amulung 5. Solana 6. Libman - Cabusao 7. Mini - hydropower stations			
6. COUNTERPART AGENCY	NIA (National Irrigation Administration)	Implementation Period:	1990 - 1992		
7. OBJECTIVES OF STUDY		4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR FIRR		
8. DATE OF S/W	Feb. 1987	Feasibility: Yes			
9. CONSULTANT(S)	Nippon Koei Co., Ltd. Construction Project Consultants, Inc.	Conditions and Development Impacts: 1. Increase of crop Production 2. Supply of electric power at cheaper price 3. Increase of employment opportunity 4. Improvement of farm roads for better transportation of goods			
10. STUDY TEAM	No. of Members 9 Period Aug. 1987 - Dec. 1988 (17 months) Total M/M 69.17 Japan 24.24 Field 44.93	*EIRR ranges from 14.0% to 39.5%.		2. MAJOR REASONS FOR PRESENT STATUS	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINICAL TRANSFER		3. PRINCIPAL SOURCES OF INFORMATION	(1)
12. EXPENDITURE	Total 199,448 (¥000) Contracted 197,131				

和名 ポンプ灌漑施設維持管理改善計画

(F/S, (M/P)+F/S, D/D)

PROJECT SUMMARY (M/P)

Compiled March 1991
Revised

ASE PHI 103/89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS													
1. COUNTRY	Philippines	1. SITE OR AREA	The whole of Philippines	1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued												
2. NAME OF STUDY	Small Water Impounding Management (SWIM) Project	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"></td> <td style="width: 10%; text-align: center;">Total Cost</td> <td style="width: 10%; text-align: center;">Local Cost</td> <td style="width: 10%; text-align: center;">Foreign Cost</td> </tr> <tr> <td>(US\$1,000)</td> <td style="text-align: center;">1) 265,000</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: center;">2)</td> </tr> </table>		Total Cost	Local Cost	Foreign Cost	(US\$1,000)	1) 265,000						2)	(Description) Under detailed design and implementation of 39 SWIM Projects by 14th OECF Loan.	
	Total Cost	Local Cost	Foreign Cost														
(US\$1,000)	1) 265,000																
			2)														
3. SECTOR	Agriculture/ Irrigation, Drainage & Reclamation	3. MAJOR PROJECT(S) PROPOSED	-Selection of candidate projects of small water impounding Dam projects -Preparation of 10 year Action Program for 1991-2000														
4. REFERENCE NO.		4. CONDITIONS AND DEVELOPMENT IMPACTS	-IRR=17.5% (overall 230 projects) -Increase of production (200,000 ton) by increase of irrigated paddy field (28,000 ha) -Increase of income of beneficiaries (Peso 14,000/family) -Watershed Management (reforestation: 45,000 ha)														
5. TYPE OF STUDY	M/P	5. TECHNICAL TRANSFER															
6. COUNTERPART AGENCY	Department of Public Works and Highways (DPWH)	2. MAJOR REASONS FOR PRESENT STATUS															
7. OBJECTIVES OF STUDY		3. PRINCIPAL SOURCES OF INFORMATION	(1)														
8. DATE OF S/W	Dec. 9, 1987																
9. CONSULTANT(S)	Nippon Koei Co., Ltd. Nippon Giken Inc.																
10. STUDY TEAM	No. of Members 11 Period Aug. 1988 - Apr. 1990 (20 months) Total M/M 82.41 M/M Japan 25.50 Field 56.91																
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	none																
12. EXPENDITURE	Total 255,673 (¥'000) Contracted 182,150																

和名 農業用小規模ため池整備計画

(M/P, M/P+(F/S), Basic Study, Other)

PROJECT SUMMARY (M/P + F/S)

Compiled March 1991
Revised

ASE PHI 201A/89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Philippines	1. SITE OR AREA	Entire Marinduque Main Island, Marinduque Province			1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Integrated Agricultural Development Project in Marinduque	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	US\$1=21.8Peso Total Cost Local Cost Foreign Cost			
3. SECTOR	Agriculture/ General	(US\$1,000)	1) 174,300		174,300	(Description) This master plan study has been carried out to take up the project as a model of remote island development in the Philippines. The master plan was approved by the Provincial Government of Marinduque and Accelerated Development of Agricultural Project was decided to be taken up for the Grant-aid from Japan for FY 1991.
4. REFERENCE NO.		2)				
5. TYPE OF STUDY	M/P+(F/S)	3. MAJOR PROJECT(S) PROPOSED				
6. COUNTERPART AGENCY	Marinduque Provincial Government	- Agricultural Development - Agricultural Infrastructure Improvement - Rural Infrastructure Improvement - Fishery Development - Accelerated Development of Agricultural Project				
7. OBJECTIVES OF STUDY						
8. DATE OF S/W	Jul. 1988	4. CONDITIONS AND DEVELOPMENT IMPACTS				
9. CONSULTANT(S)	Sanyu Consultants Inc. Chuo Kaihatsu Corp.					
10. STUDY TEAM	No. of Members 10 Period Nov. 1988 - Nov. 1989 (13 months) Total M/M 49 Japan 18.13 Field 30.87					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINCAL TRANSFER				
12. EXPENDITURE	Total 202,379 (¥000) Contracted 151,037	Training in Japan (One Official Marinduque Province)				
		2. MAJOR REASONS FOR PRESENT STATUS				
		3. PRINCIPAL SOURCES OF INFORMATION				
		(1)				

和名 マリンデュケ農業総合開発計画

(M/P, M/P+(F/S), Basic Study, Other)

PROJECT SUMMARY (M/P + F/S)

Compiled March 1991
Revised

ASE PHI 201B /89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Philippines	1. SITE OR AREA	Santa Cruz Area in Marinduque Island		1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input checked="" type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Integrated Agricultural Development Project in Marinduque	2. PROJECT COSTS	Total Cost	Local Cost	
3. SECTOR	Agriculture/ General		(US\$1,000) 1) 17,248	Foreign Cost 17,248	
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)	2) 2)		
5. TYPE OF STUDY	(M/P)+F/S		3) 3)		
6. COUNTERPART AGENCY	Marinduque Provincial Government		- Agricultural Development - Agricultural Infrastructure Improvement - Rural Infrastructure Improvement - Fishery Development		
7. OBJECTIVES OF STUDY		Implementation Period:	1991 - 1992		
8. DATE OF S/W	Jul. 1988	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR	
9. CONSULTANT(S)	Sanyu Consultants Inc. Chuo Kaihatsu Corp.		17%		
10. STUDY TEAM	No. of Members 10 Period Nov.1988 - Nov.1989 (13 months) Total M/M 49 Japan 18.13 Field 30.87	Feasibility:	Conditions and Development Impacts: Agriculture: Irrigation 50.3 million peso Non-irrigation 15.8 million peso Livestock 1.5 million peso Farm Road: Rehabilitation 1.1 million peso New Construction 3.0 million peso Portable Water Supply 3.3 million peso Aquaculture and Processing 8.6 million peso		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER	Training in Japan (One Official of Marinduque Province)		
12. EXPENDITURE	Total 202,379 (¥'000) Contracted 151,037				
				2. MAJOR REASONS FOR PRESENT STATUS	
				3. PRINCIPAL SOURCES OF INFORMATION	
				(1)	

和名 マリンアユケ農業総合開発計画

(F/S, (M/P)+F/S, D/D)

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1991

ASO LKA 301/77

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Sri Lanka	1. SITE OR AREA	Puttalam District	1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing
2. NAME OF STUDY	Inginimitiya Reservoir Project	2. PROJECT COSTS	US\$1=7.28Rs. Total Cost Local Cost Foreign Cost 1) 23,200 13,600 9,000 (US\$1,000) 2) 3)	(Description) 1.D/D assistance (Jun.1979-Jun.1984)and Supervision (JEC) 2.Financial Cooperation: Japanese Loan 1978.8.10 L/A 1.8 billion Yen 3.Commencement of Construction : Sep.1981 4.Completion of Construction : Mar.1985	
3. SECTOR	Agriculture/ General	3. CONTENTS OF MAJOR PROJECT(S)			
4. REFERENCE NO.		1.Irrigation Area	2,500ha		
5. TYPE OF STUDY	F/S	2.Dam and Reservoir	Effective Storage Capacity : 60.2 MCM Type : Homogeneous type earth Dam		
6. COUNTERPART AGENCY	Ministry of Irrigation, Power and Highways	3.Downstream Development	Main Canal Approx.47.5Km	2. MAJOR REASONS FOR PRESENT STATUS	
7. OBJECTIVES OF STUDY	Rural Development by the Dam Construction and Downstream Development	Implementation Period:	till after 6 years		
8. DATE OF S/W	Dec.1976	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR FIRR 18.0%	3. PRINCIPAL SOURCES OF INFORMATION	
9. CONSULTANT(S)	Japan Engineering Consultants Co.,Ltd.	Feasibility: Yes			
10. STUDY TEAM	No. of Members Period Mar.1977 - Aug.1977 (6 months) Total M/M 21.50 Japan 13.80 Field 7.70	Conditions and Development Impacts: Conditions: Benefit by the Agricultural Products Increase Development Impact Contribution to self-sufficient measure by a rice increase		(1)	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINCAL TRANSFER			
12. EXPENDITURE	Total 56,275 (¥'000) Contracted 48,427				

和名 インギニミチャ葎がいダム計画

[F/S, (M/P)+F/S, D/D]

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1991

ASO LKA 302/79

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Sri Lanka	1. SITE OR AREA	The area which will be irrigate by Angamedilla anicut and Elaheera anicut on the Amban ganga(62,200ha)		1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input checked="" type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Moragahakanda Agricultural Development Project	2. PROJECT COSTS	US\$1=15Rs in Dec.1978			
3. SECTOR	Agriculture/ General		Total Cost	Local Cost	(Description) Moragahakanda agricultural development project (Dec.1979-F/S) was looked at it again and a survey for Mahaweli ganga master plan was executed and its report was submitted on May.1989 after a submission of this report. After a submission of this report, Master Plan of Feasibility Plan in the same name as this study was done for reconsideration and completed in 1990.	
4. REFERENCE NO.			187,470	63,670		
5. TYPE OF STUDY	F/S		Foreign Cost	123,800		
6. COUNTERPART AGENCY	Mahaweli Development Board	3. CONTENTS OF MAJOR PROJECT(S)				
7. OBJECTIVES OF STUDY	Development by dam construction and the downstream development	1. Dam and Reservoir	Effective Storage Capacity: 686 MCM Dam Type : Rockfill (Main Dam and 2nd saddle-dam) Concrete Gravity (1st Saddle-dam)			
8. DATE OF S/W	Jul.1978	2. Downstream Development	Irrigation area: 62,200 ha Canal Irrigation Canal 145.2 km Drainage Canal 91.4 km			
9. CONSULTANT(S)	Japan Engineering Consultants Co.,Ltd. Nippon Koei Co.,Ltd.	Implementation Period:	1980 - 1988		2. MAJOR REASONS FOR PRESENT STATUS Under adjustment of priority for project in the government of Sri Lanka.	
10. STUDY TEAM	No. of Members 15 Period Oct.1978 - Sep.1979 (10 months) Total M/M 92.70 Japan 51.10 Field 41.60	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		Feasibility: Yes	12.0%		3. PRINCIPAL SOURCES OF INFORMATION (1)	
12. EXPENDITURE	Total 231,529 (¥'000) Contracted 210,460	Conditions and Development Impacts:	Conditions: Benefit by hydroelectric power for the electric supply capacity and by irrigation for the agricultural products. Development Impacts: Increase of the agricultural products, Improvement of an unemployment problem Development of social economy			
		5. TECHINCAL TRANSFER	OJT			

和名 モラガハカンダ農業開発計画

(F/S, (M/P)+F/S, D/D)

PROJECT SUMMARY (F/S)

ASO LKA 303/81

 Compiled March 1990
 Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT		
1. COUNTRY	Sri Lanka	1. SITE OR AREA	Right Bank on the lower Mahaweli Ganga (68,000ha)		1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled	
2. NAME OF STUDY	(Mahaweli Ganga Agricultural Development: System C)	2. PROJECT COSTS	Total Cost	Local Cost			Foreign Cost
3. SECTOR	Agriculture/ General	(US\$1,000)	1) 85,300	2) 40,100	3) 45,200	(Description) D/D and Supervision executed Technical Assistance with regard to the Operation and Management in the project area has completed and Supervision of parts of terminal facilities is being executed Consultants: Nippon Koei Co., Ltd. Japan Engineering Consultants Co., Ltd. Chuo Kaihatsu Corporation 1988.7.15 OECF L/A 1.85 billion Yen (Rehabilitation of irrigation facilities in Minipe and Nagadeepa) 1989.4.17 grant aid E/N 449 million Yen (rural development plan in Minipe and Nagadeepa) 1989.6.22 grant aid E/N 709 million Yen (Integrated rural development plan in Minipe and Nagadeepa)	
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)					
5. TYPE OF STUDY	F/S	1. Main Canal	17.4 km				
6. COUNTERPART AGENCY	Mahaweli Development Board	2. Branch Canal	54.7 km				
7. OBJECTIVES OF STUDY	Agricultural products increase by the improvement of irrigation system	3. Farm ditch	50.1 km				
8. DATE OF S/W		4. Reclamation	6,960 ha				
9. CONSULTANT(S)	Japan Engineering Consultants Co., Ltd. Nippon Koei Co., Ltd.	Implementation Period: 1982 - 1986					
10. STUDY TEAM	No. of Members 6 Period Mar.1981 - Mar.1981 (1 months) Total M/M 3.0 Japan 1.8 Field 1.2	4. FEASIBILITY AND ITS ASSUMPTIONS			EIRR 16.8%		FIRR
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		Feasibility: Yes			2. MAJOR REASONS FOR PRESENT STATUS		
12. EXPENDITURE	Total 28,983 (¥000) Contracted 7,000	Conditions and Development Impacts: Conditions: Benefit by agricultural products increase Development Impacts: Improvement of agricultural products increase and agricultural income Contribution to a national policy for a solution of food shortage					
		5. TECHNICAL TRANSFER			3. PRINCIPAL SOURCES OF INFORMATION		
					(1)		

和名 マハヴェリ農業開発計画システムC地区

(F/S, (M/P)+F/S, D/D)

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1991

ASO LKA 304/85

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT																										
1. COUNTRY	Sri Lanka	1. SITE OR AREA	Minipe scheme 6,800ha Nagadeepa scheme 2,400ha		1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing																									
2. NAME OF STUDY Rehabilitation of Tank Irrigation Project		2. PROJECT COSTS US\$1=27.5Rs																													
3. SECTOR Agriculture/ Irrigation, Drainage & Reclamation		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">Total Cost</td> <td style="width: 10%; text-align: center;">Local Cost</td> <td style="width: 10%; text-align: center;">Foreign Cost</td> </tr> <tr> <td>(US\$1,000)</td> <td></td> <td style="text-align: center;">16,830</td> <td style="text-align: center;">9,370</td> <td style="text-align: center;">7,460</td> </tr> <tr> <td></td> <td>1)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>3)</td> <td></td> <td></td> <td></td> </tr> </table>					Total Cost	Local Cost	Foreign Cost	(US\$1,000)		16,830	9,370	7,460		1)					2)					3)					
		Total Cost	Local Cost	Foreign Cost																											
(US\$1,000)		16,830	9,370	7,460																											
	1)																														
	2)																														
	3)																														
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)			(Description) 1. Basic Design Survey : Minipe and Nagadeepa rural development project Japan Engineering Consultants Co., Ltd.: Field Survey (Jul.-Sep.1988) Objective: Improvement of domestic water supply and Road Rehabilitation 1989.4.17 grant aid E/N 449 million Yen 2. Japanese Grant Aid: Minipe and Nagadeepa rural development project D/D, Supervision : Japan Engineering Consultants Co., Ltd. Phase I has been completed and Phase II will be completed in Mar.1991 3. OECF Loan: The Rehabilitation of Tank Irrigation Project D/D, Supervision : Japan Engineering Consultants Co., Ltd. (Mar.1990 - Mar.1995)																										
5. TYPE OF STUDY F/S		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">1. Canal System</td> <td style="width: 15%;">Minipe</td> <td style="width: 15%;">Nagadeepa</td> </tr> <tr> <td> Main Canal</td> <td style="text-align: center;">55.3km</td> <td style="text-align: center;">11.6km</td> </tr> <tr> <td> Branch Canal</td> <td style="text-align: center;">-</td> <td style="text-align: center;">6.3</td> </tr> <tr> <td> D Canal</td> <td style="text-align: center;">70.3</td> <td style="text-align: center;">20.0</td> </tr> <tr> <td> F Canal</td> <td style="text-align: center;">42.0</td> <td style="text-align: center;">42.9</td> </tr> <tr> <td> Heen Ganga Intake</td> <td colspan="2" style="text-align: center;">7.4(H) X 74m(L)</td> </tr> <tr> <td>2. Road System</td> <td></td> <td></td> </tr> <tr> <td> Rehabilitation of Road</td> <td style="text-align: center;">18.8km</td> <td style="text-align: center;">5.9km</td> </tr> <tr> <td> Bridge</td> <td style="text-align: center;">-</td> <td style="text-align: center;">4 X 50m</td> </tr> </table>					1. Canal System	Minipe	Nagadeepa	Main Canal	55.3km	11.6km	Branch Canal	-	6.3	D Canal	70.3	20.0	F Canal	42.0	42.9	Heen Ganga Intake	7.4(H) X 74m(L)		2. Road System			Rehabilitation of Road	18.8km	5.9km	Bridge
1. Canal System	Minipe	Nagadeepa																													
Main Canal	55.3km	11.6km																													
Branch Canal	-	6.3																													
D Canal	70.3	20.0																													
F Canal	42.0	42.9																													
Heen Ganga Intake	7.4(H) X 74m(L)																														
2. Road System																															
Rehabilitation of Road	18.8km	5.9km																													
Bridge	-	4 X 50m																													
6. COUNTERPART AGENCY Ministry of Lands and Land Development		Implementation Period: till after 5 years			2. MAJOR REASONS FOR PRESENT STATUS																										
7. OBJECTIVES OF STUDY To stabilize agricultural products and increase incomes and living standard		4. FEASIBILITY AND ITS ASSUMPTIONS																													
8. DATE OF S/W Jun.1984		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">BIRR</td> <td style="width: 15%; text-align: center;">FIRR</td> </tr> <tr> <td></td> <td style="text-align: center;">17.1%</td> <td></td> </tr> </table>				BIRR	FIRR		17.1%		3. PRINCIPAL SOURCES OF INFORMATION (1)																				
	BIRR	FIRR																													
	17.1%																														
9. CONSULTANT(S) Japan Engineering Consultants Co., Ltd. Kyowa Consultants Co., Ltd.		Feasibility: Yes																													
10. STUDY TEAM		Conditions and Development Impacts: Conditions: Agricultural products and farmer's income are expected to go up by (a) extending irrigation area during dry season (b) yields increase per unit (c) agricultural diversification Development Impacts: Stabilizing agricultural products and upgarding the income by (a) rehabilitating the existing irrigations and road system (b) ensuring proper operation and maintenance of the system																													
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">No. of Members</td> <td style="width: 15%;">10</td> </tr> <tr> <td>Period</td> <td>Jan.1985 - Mar.1986 (15 months)</td> </tr> <tr> <td>Total M/M</td> <td style="text-align: center;">50.29</td> </tr> <tr> <td> Japan</td> <td style="text-align: center;">18.33</td> </tr> <tr> <td> Field</td> <td style="text-align: center;">31.96</td> </tr> </table>							No. of Members	10	Period	Jan.1985 - Mar.1986 (15 months)	Total M/M	50.29	Japan	18.33	Field	31.96															
No. of Members	10																														
Period	Jan.1985 - Mar.1986 (15 months)																														
Total M/M	50.29																														
Japan	18.33																														
Field	31.96																														
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINCAL TRANSFER																													
12. EXPENDITURE		1. OJT 2. Acceptance of Trainees (1 person)																													
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">Total</td> <td style="width: 15%; text-align: center;">198,301 (¥000)</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">184,918</td> </tr> </table>				Total	198,301 (¥000)			Contracted	184,918																						
		Total	198,301 (¥000)																												
		Contracted	184,918																												

和名 農業用貯水池復旧計画

(F/S, (M/P)+F/S, D/D)

PROJECT SUMMARY (M/P)

Compiled March 1990
Revised March 1991

ASO LKA 101/87

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS		
1. COUNTRY	Sri Lanka	1. SITE OR AREA	Gampaha district (1,600sq.km, 1.4 million population)			1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Integrated Rural Development Project for Gampaha District	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS					
3. SECTOR	Agriculture/ General		Total Cost	Local Cost	Foreign Cost	(Description) In 1987, the Sri Lankan government selected the Model Project for Improvement of Agricultural Production which is one of the priority projects based on this master plan as the first priority project for implementation, and made request to the Japanese government for grant aid to materialize it. Basic design was completed in January 1989, E/N in June (grant aid 996 million Yen), contract with consultant in August and contract with contractor in January 1990. First phase construction is currently in progress (including one portion of supply of equipment and materials). The project is to be completed over 2 phases, with phase II E/N concluded in June 1990 (grant aid 1.075 billion Yen), consultant contract for July, and contractor contract in October, and is currently under construction.	
4. REFERENCE NO.							
5. TYPE OF STUDY	M/P						
6. COUNTERPART AGENCY	Ministry of Project Planning and Implementation						
7. OBJECTIVES OF STUDY	District-wide integrated rural development	3. MAJOR PROJECT(S) PROPOSED					
8. DATE OF S/W	Apr. 1986						
9. CONSULTANT(S)	Chuo Kaihatsu Corporation Hokkaido Consultants Sanyu Consultants Inc.						
10. STUDY TEAM	No. of Members 13 Period Jul. 1986 - Mar. 1987 (9 months) Total M/M 54.27 Japan 23.24 Field 31.03						
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY							
12. EXPENDITURE	Total 168,183 (¥000) Contracted 146,293						
		4. CONDITIONS AND DEVELOPMENT IMPACTS	Implementation of the priority projects is prerequisite for later implementation of all the short term projects which will nurture a conducive socio-economic and physical infrastructure to realize the latter. Impacts of priority projects are as follows: 1. Increased production (minor export crops, general upland crops, paddy) 2. Increased farmers income 3. Social benefit (Improved diet, increased employment opportunities, upgrading of education level, improved health)			2. MAJOR REASONS FOR PRESENT STATUS	Project implementation is progressing smoothly. This is due to the fact that the understanding of affected residents was obtained during the master study phase, and that the project places emphasis on the rehabilitation of existing structures.
		5. TECHNICAL TRANSFER				3. PRINCIPAL SOURCES OF INFORMATION	

和名 ガンバハ県農村総合開発計画

(M/P, M/P+(F/S), Basic Study, Other)

PROJECT SUMMARY (M/P + F/S)

Compiled March 1990
Revised March 1991

ASO LKA 201A/89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Sri Lanka	1. SITE OR AREA	Amban Ganga and Mahaweli Gang Basins and NCRB area		1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Extension of the Moragahakanda Agricultural Development Project	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost		
3. SECTOR	Agriculture/ General	(US\$1,000)	1) 1,352,000			(Description)
4. REFERENCE NO.			2)			
5. TYPE OF STUDY	M/P+(F/S)	3. MAJOR PROJECT(S) PROPOSED				
6. COUNTERPART AGENCY	Ministry of Land, Irrigation and Mahaweli Development	Stage-wise agricultural land development is recommended in NCRB area:				
7. OBJECTIVES OF STUDY	The most effective use of available water in the Mahaweli River System and priority projects	Package 1	Joint Facilities	Kalu ganga dam NCP canal		
8. DATE OF S/W	Oct.1987		New Irrigation Area	23,900 ha		
9. CONSULTANT(S)	Nippon Koel Co.,Ltd. Japan Engineering Consultants Co.,Ltd.		Cashew Land	10,000 ha		
10. STUDY TEAM	No. of Members 9 Period Jan.1988 - Jul.1989 (18 months)	Package 2	Joint Facilities	25,500 ha NCP canal Minipe LB canal		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY			New Irrigation Area	26,600 ha		
12. EXPENDITURE	Total 220,969 (¥000) Contracted 213,902	Package 3	Joint Facilities	38,600 ha NCP canal Minneriya Pump Station		
			New Irrigation Area	27,000 ha		
			Cashew Land	10,000 ha		
		4. CONDITIONS AND DEVELOPMENT IMPACTS			2. MAJOR REASONS FOR PRESENT STATUS	
		-Continued Agricultural Development for Rice Self-Sufficiency Constant development of agriculture, particularly for increased food production is essential, since the population of Sri Lanka is expected to increase as much as 1.5 times from 16.4 million in 1987 to about 24million in 2020. -Primary and secondary Benefits, and favorable socio-economic impacts of the projects. -Foreign exchange saving, increased employment opportunities, and improvement of living standard, etc.				
		5. TECHINCAL TRANSFER			3. PRINCIPAL SOURCES OF INFORMATION	
					(1)	

PROJECT SUMMARY (M/P + F/S)

ASO LKA 201B/89

Compiled March 1990
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Sri Lanka	1. SITE OR AREA	Basin of Amban Ganga and Mahaweli Gang			1. PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Extension of the Moragahakanda Agricultural Development Project	2. PROJECT COSTS	Total Cost	Local Cost	Foreign Cost	
3. SECTOR	Agriculture/ General	(US\$1,000)	1) 310,000	2) 105,500	3) 204,500	(Description) The Government of Sri Lanka may request the project on loan basis to Japanese Government.
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)	Agricultural Development (56,000ha) in the Amban Ganga basin and hydro-power generation (26MW) by constructing the Moragahakanda dam with a height of 72m.			
5. TYPE OF STUDY	(M/P)+F/S	Implementation Period:				
6. COUNTERPART AGENCY	Ministry of Land, Irrigation and Mahaweli Development	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
7. OBJECTIVES OF STUDY	Updating of the previous Feasibility Study	Feasibility:				
8. DATE OF S/W	Oct.1987	Conditions and Development Impacts:	Increasing agricultural production and creating employment opportunities in the Amban Ganga river basin.			
9. CONSULTANT(S)	Nippon Koei Co.,Ltd. Japan Engineering Consultants Co.,Ltd.	5. TECHINCAL TRANSFER				
10. STUDY TEAM	No. of Members 9 Period Jan.1988 - May 1989 (5 months) Total M/M 21.33 Japan 6.45 Field 14.88	2. MAJOR REASONS FOR PRESENT STATUS				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		3. PRINCIPAL SOURCES OF INFORMATION	(1)			
12. EXPENDITURE	Total 220,969 (¥000) Contracted 213,902					

和名 モラガハカンダ農業開発計画

(F/S, (M/P)+F/S, D/D)

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1991

ASE THA 301/77

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Thailand	1. SITE OR AREA	West bank tract of the Greater Chao Phraya, center of Ayutthaya Province	1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Irrigated Agricultural Development Project in the West Bank Tract of the Greater Chao Phraya	2. PROJECT COSTS	US\$1=20B in 1985 Total Cost Local Cost Foreign Cost 1) 36,200 17,640 18,560 (US\$1,000) 2) 3)	(Description) 1979.6.14 OECF L/A (E/S) 150 million yen 1979.6-1982.2 detail design by Sanyu Consultants Inc. 1982.7.16 OECF (ninth) L/A 2.65 billion yen construction equipment 2.02 billion yen consultation service 390 million yen money in reserve 240 million yen 1982.6 Construction started 1988.7 Yen loan expired Currently construction is in progress by ALRO.	
3. SECTOR	Agriculture/ General	3. CONTENTS OF MAJOR PROJECT(S)	Irrigation Area: 10,542 ha Circle Embankment : 114.5 km Pump station for irrigation and drainage :3 station Main irrigation canal/secondary, tertiary canal : 36km/432km Main drainage canal/secondary, tertiary canal: 30 km/494km Main street/farm road : 177km/404km Village water supply : 4 places		
4. REFERENCE NO.		Implementation Period:	Oct.1977 - Sep.1983		
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	BIRR FIRR 16.0%		
6. COUNTERPART AGENCY	Agricultural Land Reform Office, Ministry of Agriculture and Cooperative	Feasibility:	Yes		
7. OBJECTIVES OF STUDY		Conditions and Development Impacts:	Conditions: 1.Pilot farm of about 500ha to show intensive irrigated agriculture 2.Cultivation of double cropping of paddy (HYV) under the sufficient management of water 3.Dissemination of agricultural technology and establishment of training center 4.Establishment of farmers' organization such as maintenance management and agricultural cooperative 5.Implementation of village development plan including improvement of agricultural environment Development Impacts: Advancement of land use, Increase of agricultural production, Increase of farmers' income, Reduction of flood damage, Rise in living standards	2. MAJOR REASONS FOR PRESENT STATUS A part of land for irrigation canal cannot be purchased due to rise in land price in and around Bangkok recently, and construction has not complete.	
8. DATE OF S/W		5. TECHINCAL TRANSFER	OJT	3. PRINCIPAL SOURCES OF INFORMATION	
9. CONSULTANT(S)	Sanyu Consultants Inc.			(1)	
10. STUDY TEAM	No. of Members 10 Period Oct.1976 - Jul.1977 (10 months) Total M/M Japan Field				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY					
12. EXPENDITURE	Total 86,198 (¥000) Contracted 80,831				

和名 チャオピヤ川西岸地区かんがい農業開発計画

(F/S, (M/P)+F/S, D/D)

PROJECT SUMMARY (M/P)

Compiled March 1990
Revised March 1991

ASE THA 101/79

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS		
1. COUNTRY	Thailand	1. SITE OR AREA	Mid and down stream of Mae Klong River Basin : area 490,000ha			1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	(Irrigated Agricultural Development in the Greater Mae Klong River)	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost	Foreign Cost	
3. SECTOR	Agriculture/ General		(US\$1,000)	1) 726,600	435,960	(Description) F/S Kamphaeng Saen irrigated of agriculture development was conducted chosen from regions where master plan was done, however it wasn't realized.
4. REFERENCE NO.		3. MAJOR PROJECT(S) PROPOSED	2) 290,640			
5. TYPE OF STUDY	M/P	1.Short-term development plan				
6. COUNTERPART AGENCY	Ministry of Agriculture and Cooperatives	1) Improvement of field of 185,900ha				
7. OBJECTIVES OF STUDY		2) Repair of irrigation and drainage canals of 1,082km				
8. DATE OF S/W	Jul.1977	2.Long-term development plan				
9. CONSULTANT(S)	Sanyu Consultants Inc.	1) Improvement of field of 174,200ha				
10. STUDY TEAM	No. of Members 20 Period Dec.1977 - Mar.1980 (28 months)	2) Repair of irrigation and drainage canals of 56km				
	Total M/M 130.19	3) Construction of irrigation and drainage canals of 345 km				
	Japan 45.83					
	Field 84.36					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		4. CONDITIONS AND DEVELOPMENT IMPACTS	1.The production of rice will be 1.7 times in 30 years (total amount 2,400,000t) 2.The production of Sugarcane will be 1.3 times in 30 years (total amount 1,400,000t) *Of 2,400,000t of rice production, 1,000,000t will be possible to be exported. 3.EIRR 26.5%			
12. EXPENDITURE	Total 346,684 (¥000) Contracted 242,550	5. TECHINCAL TRANSFER				
			2. MAJOR REASONS FOR PRESENT STATUS Failure to be implemented was due to the change in Thai Government's agricultural policy. That is, it has the view that it is necessary to develop the areas that need basic facilities with priority to the areas whose basic facilities have already been complete.			
			3. PRINCIPAL SOURCES OF INFORMATION (1)			

和名 メクロン川マスタープラン

{M/P, M/P+(F/S), Basic Study, Other}

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1991

ASE THA 302/79

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Thailand	1. SITE OR AREA	Kamphaeng Saen District, Mae Klang River Basin, western part of Central Thailand, area 28,000ha, population 65,500		
2. NAME OF STUDY	Kamphaeng Saen Irrigated Agriculture Development Project in the Mae Klong River Basin	2. PROJECT COSTS	US\$1=230Yen		
3. SECTOR	Agriculture/ General		Total Cost	Local Cost	Foreign Cost
4. REFERENCE NO.			1) 32,705	18,710	13,995
5. TYPE OF STUDY	F/S		2) (US\$1,000)		
6. COUNTERPART AGENCY	RID (Royal Irrigation Department), Ministry of Agriculture and Cooperatives	3. CONTENTS OF MAJOR PROJECT(S)	3)		
7. OBJECTIVES OF STUDY			-Improvement of irrigation and drainage facilities constructed under the development project in Mae Klong River Basin.: 16,380 ha -Improvement of terminal facilities such as irrigation and drainage ditches, farm roads, etc. : 16,380 ha		
8. DATE OF S/W		Implementation Period:	1981 - 1986		
9. CONSULTANT(S)	Sanyu Cosultants Inc.	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR	
10. STUDY TEAM	No. of Members 10 Period Jan.1979 - Oct.1979 (10 months) Total M/M 23.87 Japan 19.50 Field 4.37	Feasibility:	27%		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		Conditions and Development Impacts:	Cultivated land area will be increased from 13,400 ha to 16,380ha by improving irrigation facilities. The land use rate will be heightened to 195% (currently 120%) by flood prevention of paddy field of 5,300ha through construction of flood prevention embankment, and improvement of terminal facilities.		
12. EXPENDITURE	Total 94,708 (¥'000) Contracted 88,926	5. TECHINCAL TRANSFER	cooperation in writing a report		
		1. PRESENT STATUS		<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled	
		(Description)		This project has been suspended due to change in Thai Government policy.	
		2. MAJOR REASONS FOR PRESENT STATUS			
		3. PRINCIPAL SOURCES OF INFORMATION		(1)	

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1991

ASE THA 303 /79

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																	
1. COUNTRY	Thailand	1. SITE OR AREA	Lampang City, Lampang Province, northern part of Thailand area 22,700 ha	1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled																
2. NAME OF STUDY Mae Wang-Kew Lom Irrigated Agriculture Development Project		2. PROJECT COSTS US\$1=20B in 1979																			
3. SECTOR Agriculture/ General		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">Total Cost</td> <td style="width: 10%; text-align: center;">Local Cost</td> <td style="width: 10%; text-align: center;">Foreign Cost</td> </tr> <tr> <td style="text-align: center;">1)</td> <td style="text-align: center;">34,880</td> <td style="text-align: center;">19,506</td> <td style="text-align: center;">15,374</td> </tr> <tr> <td style="text-align: center;">2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">3)</td> <td></td> <td></td> <td></td> </tr> </table>			Total Cost	Local Cost	Foreign Cost	1)	34,880	19,506	15,374	2)				3)				(Description) Thai Government enacted Law of agricultural infrastructure improvement and, was vigorously promoting improvement of agricultural infrastructure which makes two-period cropping by improving and facilities, as a measure of policy to expand self-sufficiency of agricultural products and export. However, this project was planned with farmers' sharing of the cost for a part of it, and the cost turned out to be much higher than expected and the debt of foreign exchange of Thai Government increased, which have made this kind of project suspended.	
	Total Cost	Local Cost	Foreign Cost																		
1)	34,880	19,506	15,374																		
2)																					
3)																					
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S) Irrigation area : 22,700ha Main irrigation canal : 100.12 km Tributary irrigation canal : 79.65 km Main drainage canal : 240.77 km Field improvement : 15,400 ha																			
5. TYPE OF STUDY F/S		Implementation Period: Oct.1980 - Sep.1987																			
6. COUNTERPART AGENCY RID (Royal Irrigation Department), Ministry of Agriculture and Cooperatives		4. FEASIBILITY AND ITS ASSUMPTIONS																			
7. OBJECTIVES OF STUDY		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">EIRR</td> <td style="width: 10%; text-align: center;">FIRR</td> </tr> <tr> <td></td> <td style="text-align: center;">27.1%</td> <td style="text-align: center;">25.3%</td> </tr> </table> Feasibility: Yes			EIRR	FIRR		27.1%	25.3%												
	EIRR	FIRR																			
	27.1%	25.3%																			
8. DATE OF S/W Feb.1979		Conditions and Development Impacts: Conditions: Considering the production of paddy crop is relatively high, promotion of production during dry season is planned by utilizing the water of Kiv Lom Dam. To do this field improvement should be implemented. Development Impacts: Large increase of benefit by double cropping through effective use of existing water resource is expected.																			
9. CONSULTANT(S) Sanyu Consultants Inc.		5. TECHNICAL TRANSFER																			
10. STUDY TEAM		Training of and technical transfer to staffs of RID in Thailand and Japan.																			
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">No. of Members</td> <td style="width: 10%;">10</td> </tr> <tr> <td>Period</td> <td>Jul.1979 - Mar.1980 (9 months)</td> </tr> <tr> <td>Total M/M</td> <td>47.04</td> </tr> <tr> <td>Japan</td> <td>21.97</td> </tr> <tr> <td>Field</td> <td>25.07</td> </tr> </table>		No. of Members	10	Period	Jul.1979 - Mar.1980 (9 months)	Total M/M	47.04	Japan	21.97	Field	25.07	3. PRINCIPAL SOURCES OF INFORMATION									
No. of Members	10																				
Period	Jul.1979 - Mar.1980 (9 months)																				
Total M/M	47.04																				
Japan	21.97																				
Field	25.07																				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		(1)																			
12. EXPENDITURE																					
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">Total</td> <td style="width: 10%; text-align: center;">115,643 (¥000)</td> </tr> <tr> <td></td> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">107,095</td> </tr> </table>			Total	115,643 (¥000)		Contracted	107,095														
	Total	115,643 (¥000)																			
	Contracted	107,095																			

和名 メワンかんがい農業開発計画

(F/S, (M/P)+F/S, D/D)

PROJECT SUMMARY (M/P + F/S)

Compiled March 1990
Revised March 1991

ASE THA 201A/80

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Thailand	1. SITE OR AREA		1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Agricultural Cooperative Promotion	2 places in each part of north, central, northeast, south, totaling 8 places.			
3. SECTOR	Agriculture/ General	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost Local Cost Foreign Cost (US\$1,000) 1) 2)	(Description) proceeding to F/S (later expert dispatched project type technical cooperation) 1. Thai Government requested cooperation to Japanese Government on the planning of establishing model agricultural cooperative based on the final report of Feb.1981 2. S/W mission was dispatched to conduct F/S in July 1981. S/W was concluded and F/S mission was dispatched from July to Sept. 3. The final report of F/S was submitted in Mar.1982, experts were dispatched upon its request for one and half year from Dec.1982. Project type technical cooperation (5 years) started in July 1984.	
4. REFERENCE NO.		3. MAJOR PROJECT(S) PROPOSED			
5. TYPE OF STUDY	M/P+(F/S)	We pointed realities and problems of organization, operations and management of agricultural cooperative of Thailand, and proposed basic idea for their improvement, based on case studies in each area.			
6. COUNTERPART AGENCY	Cooperative Promotion Department MOAC	1. Basic idea to strengthen the function of agricultural cooperative four strategic targets, strengthening of member's organization base, promotion of regional agriculture by conducting guidance of agriculture management, expansion of sales and purchase abiding by fair rule, realization of comprehensive agricultural financial system, are shown, and "total system" to facilitate all of them in a comprehensive way was proposed.			
7. OBJECTIVES OF STUDY		2. Establishment of Agricultural Cooperative			
8. DATE OF S/W	Apr.1980	4. CONDITIONS AND DEVELOPMENT IMPACTS			
9. CONSULTANT(S)	The Institute for the Development of Agricultural Cooperation in Asia	1. We proposed that establishment of model Agricultural Cooperative should be chosen taking into consideration the difference of regional character and basic condition of each area.			
10. STUDY TEAM	No. of Members 3 Period May.1980 - Feb.1982 (23 months) Total M/M 37.21 Japan 27.36 Field 9.85	2. Development effect of promoting agricultural cooperative is expected by planning of agricultural cooperative promotion, guidance to implement the plan, and dissemination of the fruits of model agricultural cooperative to neighboring cooperatives.			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER			
12. EXPENDITURE	Total 127,934 (¥000) Contracted 107,192	-Transfer of development study method during the period of M/P in July and Aug.1980. -Discussion and cooperative operation in writing a report, and observation of Japanese case through acceptance of two trainees.			
				2. MAJOR REASONS FOR PRESENT STATUS	-Thai Government accepted the results of basic concept shown in the final report of M/P. -Thai Government requested F/S to clarify and materialize means for agricultural cooperative promotion.
				3. PRINCIPAL SOURCES OF INFORMATION	(1)

和名 農業協同組合組織育成計画

(M/P, M/P+(F/S), Basic Study, Other)

PROJECT SUMMARY (M/P + F/S)

Compiled March 1990
Revised March 1991

ASE THA 201B/80

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Thailand	1. SITE OR AREA		1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing
2. NAME OF STUDY	Agricultural Cooperative Promotion	In the districts of north, central, northeast, south, where four proposed cooperatives as model agricultural cooperative are located			
3. SECTOR	Agriculture/ General	2. PROJECT COSTS	(US\$1=23Bahts)	(Description)	
4. REFERENCE NO.		Total Cost Local Cost Foreign Cost			
5. TYPE OF STUDY	(M/P)+F/S	1) (US\$1,000)			
6. COUNTERPART AGENCY	Cooperatives Promotion Department MOAC	2)	6,478 39,030		
7. OBJECTIVES OF STUDY		3)			
8. DATE OF S/W	Apr. 1980	3. CONTENTS OF MAJOR PROJECT(S)		Implementation completed 1. Thai Government requested project type technical cooperation and grant to Japanese Government in June 1983. 2. R/D for project type technical cooperation was concluded in July 1984, and five-year started. Project implementation period concluded in July 1989, currently two-year follow up is process. 3. In 1985, Agricultural Cooperative Training Center of Northeast Thailand was established by grant aid (598 million Yen)	
9. CONSULTANT(S)	The Institute for the Development of Agricultural Cooperation in Asia	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR FIRR	2. MAJOR REASONS FOR PRESENT STATUS	
10. STUDY TEAM	No. of Members 3 Period May.1980 - Feb.1982 (23 months) Total M/M 37.21 Japan 27.36 Field 9.85	Feasibility: Yes			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		Conditions and Development Impacts: Conditions: 1. Establishment of promoting system in CPD. 2. Guidance of agricultural management and strengthening of sales activities. 3. Financial back up by the government 4. Cooperation with ACFT and CLT Development Impacts: 1. Improvement of management by agricultural cooperatives 2. Increase of employment opportunities, Increase of income, Decreasing the difference of income.			
12. EXPENDITURE	Total 127,934 (¥000) Contracted 107,192	5. TECHINCAL TRANSFER		3. PRINCIPAL SOURCES OF INFORMATION	
		-Transfer of research method during the period of F/S. -Discussion and cooperative operation in writing a report accepting two trainees.		(1)	

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1991

ASE THA 304/81

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																					
1. COUNTRY	Thailand	1. SITE OR AREA	Phetchaburi River Basin, area : 52,600 ha, population: 192,000	1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Implementing <input type="radio"/> Processing <input checked="" type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled																				
2. NAME OF STUDY		2. PROJECT COSTS																							
Phetchaburi-Kaeng Krachan Irrigated Agriculture Development Project		US\$1=23B=230Yen <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">Total Cost</td> <td style="width: 15%; text-align: center;">Local Cost</td> <td style="width: 15%; text-align: center;">Foreign Cost</td> <td></td> </tr> <tr> <td>1)</td> <td style="text-align: center;">233,865</td> <td style="text-align: center;">163,396</td> <td style="text-align: center;">70,469</td> <td></td> </tr> <tr> <td>2)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			Total Cost	Local Cost	Foreign Cost		1)	233,865	163,396	70,469		2)					3)					(Description) It has been suspended because of the change in Thai Government policy.	
	Total Cost	Local Cost	Foreign Cost																						
1)	233,865	163,396	70,469																						
2)																									
3)																									
3. SECTOR		3. CONTENTS OF MAJOR PROJECT(S)																							
Agriculture/ General		Development of irrigation agriculture centering on improvement of irrigation canal for Phetchaburi irrigated area of 45,000ha and new development of 7,100ha, and terminal facilities.																							
4. REFERENCE NO.		Implementation Period: 1987 - 1998																							
5. TYPE OF STUDY		4. FEASIBILITY AND ITS ASSUMPTIONS																							
F/S		EIRR FIRR 26%																							
6. COUNTERPART AGENCY		Feasibility: Yes																							
RID (Royal Irrigation Department), Ministry of Agriculture and Cooperatives		Conditions and Development Impacts:																							
7. OBJECTIVES OF STUDY		-The increase of paddy production by 98,000t annually -Introduction of improved seeds to 48,700ha paddy -Expansion of cultivation in dry season																							
8. DATE OF S/W		5. TECHNICAL TRANSFER																							
9. CONSULTANT(S)		training to engineers		2. MAJOR REASONS FOR PRESENT STATUS																					
Sanyu Consultants Inc.																									
10. STUDY TEAM				3. PRINCIPAL SOURCES OF INFORMATION																					
No. of Members 11 Period Nov.1980 - Mar.1982 (17 months)				(1)																					
<table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">Total M/M</td> <td style="width: 15%;">50.73</td> <td></td> <td></td> </tr> <tr> <td>Japan</td> <td>18.36</td> <td></td> <td></td> </tr> <tr> <td>Field</td> <td>32.37</td> <td></td> <td></td> </tr> </table>		Total M/M	50.73			Japan	18.36			Field	32.37														
Total M/M	50.73																								
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11. ASSOCIATED AND/OR SUBCONTRACTED STUDY																									
12. EXPENDITURE																									
<table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">Total</td> <td style="width: 15%;">201,291 (¥000)</td> <td></td> <td></td> </tr> <tr> <td>Contracted</td> <td>167,094</td> <td></td> <td></td> </tr> </table>		Total	201,291 (¥000)			Contracted	167,094																		
Total	201,291 (¥000)																								
Contracted	167,094																								

和名 ベチャブリかんがい農業開発計画

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1991

ASE THA 305/81

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Thailand	1. SITE OR AREA	Chieng Mai and Lampoon Provinces			1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing
2. NAME OF STUDY	Mae Kuang Irrigated Agriculture Development Project	2. PROJECT COSTS	Total Cost	Local Cost	Foreign Cost		
3. SECTOR	Agriculture/ General		1) 204,400	126,600	77,800	(Description)	
4. REFERENCE NO.			2) 223,600	138,700	84,900		
5. TYPE OF STUDY	F/S	3. CONTENTS OF MAJOR PROJECT(S)	3)				
6. COUNTERPART AGENCY	RID (Royal Irrigation Department), Ministry of Agriculture and Cooperatives	Dam(left saddle dam): banking 2.26 X 1 million cu.m, height 52.0m, length 650m					
7. OBJECTIVES OF STUDY		Dam(main dam) : banking 5.58 X 1 million cu.m, height 77.0m, length 645m					
8. DATE OF S/W	Dec.1980	Dam(right saddle dam) : banking 1.44 X 1 million cu.m, height 41.0m, length 655m					
9. CONSULTANT(S)	Sanyu Consultants, Inc. Taiyo Consultants Co.,Ltd.	Main canal : 87.4 km, Secondary canal : 146.6 km					
10. STUDY TEAM	No. of Members 14 Period Feb.1981 - Feb.1982 (13 months)	Note: cost 2) includes tertiary canals and other terminal facilities.					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		Implementation Period: Jan.1976 - Sep.1988					
12. EXPENDITURE	Total 193,441 (¥'000) Contracted 165,175	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR 17.7%	FIRR			
		Feasibility: Yes					
		Conditions and Development Impacts:					
		Conditions:					
		1. Water resource development will be conducted by the construction of Mae Kuang dam to increase the land use and agricultural production.					
		2. It will give employment opportunities to farmers around the district.					
		3. Infrastructure for agricultural production and organization to disseminate agricultural technology will be completed to stabilize agricultural production and improve living environment in the rural area.					
		5. TECHNICAL TRANSFER					
		1. Acceptance of one trainee					
		2. Several seminars held in RID during the period of the survey					
					2. MAJOR REASONS FOR PRESENT STATUS		
					3. PRINCIPAL SOURCES OF INFORMATION		
					(1)		

和名 メイクワンかんがい農業開発計画

(F/S, (M/P)+F/S, D/D)

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1991

ASE THA 306/81

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Thailand	1. SITE OR AREA	Right bank of PaSak River, SaraBuri Province		1. PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input type="radio"/> Completed <input type="radio"/> Implementing <input type="radio"/> Processing <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Kaeng Khol-Ban Mo Pumping Irrigation Project	2. PROJECT COSTS	Total Cost	Local Cost	
3. SECTOR	Agriculture/ General		1) 40,700	24,500	16,200
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)	(US\$1,000)	2)	3)
5. TYPE OF STUDY	F/S	Pumping field : Diameter 1,000mm X 560kw X 7 stations (Q = 17.6 cu.m/s)			
6. COUNTERPART AGENCY	RID (Royal Irrigation Department), Ministry of Agriculture and Cooperatives	Irrigation canal: 147.58 km Drainage canal A: 21.80km Pilot field : 260 ha			
7. OBJECTIVES OF STUDY		Implementation Period: 1983 - 1988			
8. DATE OF S/W		4. FEASIBILITY AND ITS ASSUMPTIONS	BIRR	FIRR	(Description) 1982.7.16 OECF L/A (E/S) ¥190 million Detail design was implemented by Sanyu Consultants Inc. and Chuo Kaihatsu Corporation with E/S loan of OECF between July 1984 and June 1985. However, adjustment of water rights (with beneficiaries by waterway between Chainat and PaSak) has not completed, so the projects have been suspended.
9. CONSULTANT(S)	Sanyu Consultants Inc. Other	Feasibility: Yes	16.9%	14.3%	
10. STUDY TEAM	No. of Members 10 Period Jun.1981 - Jan.1982 (8 months) Total M/M 37.55 Japan 17.80 Field 19.75	Conditions and Development Impacts: -Planting of 100% in rainy season and 20% in dry season will be done by completion of irrigation facilities to increase agricultural profit. -Training related to improvement of terminal facilities, water management and culture technique will be done in demonstration farm. *EIRR calculated (14.3%) includes on-farm.			2. MAJOR REASONS FOR PRESENT STATUS Although RID and farmers of project site wish to promote the projects, the problem on water rights has not been concluded.
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINICAL TRANSFER			
12. EXPENDITURE	Total 96,370 (¥'000) Contracted 90,677	Transfer to staffs of RID in Thailand and Japan was done.			3. PRINCIPAL SOURCES OF INFORMATION (1)

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1991

ASE THA 307/82

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Thailand	1. SITE OR AREA				1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Upper Pasak Medium Scale Irrigation Project	Upper Pasak river basin under PHETCHABUN Province (about 330km north from Bangkok)					
3. SECTOR	Agriculture/ General	2. PROJECT COSTS		US\$1=23B		(Description) The Royal Irrigation Development has implemented the project works by his own fund on the basis of the result of the Feasibility Study undertaken by JICA Study Team	
4. REFERENCE NO.				Total Cost	Local Cost		Foreign Cost
5. TYPE OF STUDY	F/S			1) 195,000	107,000		88,000
6. COUNTERPART AGENCY	Royal Irrigation Department, Ministry of Agriculture and Cooperatives	3. CONTENTS OF MAJOR PROJECT(S)					
7. OBJECTIVES OF STUDY	Feasibility Study						
8. DATE OF S/W	Apr. 1981						
9. CONSULTANT(S)	Nippon Koei Co., Ltd. Chuo Kaihatsu Corporation						
10. STUDY TEAM	No. of Members 34 Period Aug. 1981 - Mar. 1983 (20 months) Total M/M 72.48 Japan 21.06 Field 51.42						
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY							
12. EXPENDITURE	Total 188,809 (¥'000) Contracted 175,942						
		4. FEASIBILITY AND ITS ASSUMPTIONS		EIRR	FIRR		
		Feasibility: Yes		13.9%		2. MAJOR REASONS FOR PRESENT STATUS	
		Conditions and Development Impacts: Condition: Agricultural benefit is estimated as a difference of both benefits accrued under with and without conditions. In addition, irrigation water supply to lower basin and drinking water supply to the Lom Sak municipality are assessed as a direct benefit from the project. Development Impacts: 1) Increase of agricultural production 2) Rasing of the living standard of the regional inhabitants 3) Supplemental water supply to urban area					
		5. TECHINCAL TRANSFER		3. PRINCIPAL SOURCES OF INFORMATION			
						(1)	

和名 バサック河上流中規模灌漑計画

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1991

ASE THA 308/83

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																					
1. COUNTRY	Thailand	1. SITE OR AREA	Northern part of Thailand, Mae Chang River Basin																						
2. NAME OF STUDY	Mae Chang Irrigation Project	2. PROJECT COSTS	<table border="1"> <tr> <td></td> <td>Total Cost</td> <td>Local Cost</td> <td colspan="2">Foreign Cost</td> </tr> <tr> <td>1)</td> <td>44,000</td> <td>22,000</td> <td colspan="2">22,000</td> </tr> <tr> <td>2)</td> <td></td> <td></td> <td colspan="2"></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td colspan="2"></td> </tr> </table>				Total Cost	Local Cost	Foreign Cost		1)	44,000	22,000	22,000		2)					3)				
	Total Cost	Local Cost	Foreign Cost																						
1)	44,000	22,000	22,000																						
2)																									
3)																									
3. SECTOR	Agriculture/ General	3. CONTENTS OF MAJOR PROJECT(S)	Irrigation canal for new water resource development through construction of reservoir dam and diversion dam (main canal 51.3km, tributary canal 93.3km)																						
4. REFERENCE NO.		Implementation Period:	Apr.1984 - Apr.1992																						
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR																					
6. COUNTERPART AGENCY	RID (Royal Irrigation Department), Ministry of Agriculture and Cooperatives	Feasibility:	13.6%																						
7. OBJECTIVES OF STUDY		Conditions and Development Impacts:	Productivity of agriculture will be increased by water resource development through dam. It will also increase all-year employment opportunities, and stabilize agricultural production through improvement of living environment, which will heighten farmers' living standard in project site and surrounding areas.																						
8. DATE OF S/W	Nov.1982	5. TECHINCAL TRANSFER	To Thai counterparts assigned through the survey																						
9. CONSULTANT(S)	Sanyu Consultants Inc Taiyo Consultants Co.,Ltd.	12. EXPENDITURE	<table border="1"> <tr> <td>Total</td> <td>186,106 (¥000)</td> </tr> <tr> <td>Contracted</td> <td>141,808</td> </tr> </table>			Total	186,106 (¥000)	Contracted	141,808																
Total	186,106 (¥000)																								
Contracted	141,808																								
10. STUDY TEAM	No. of Members 13 Period Jan.1983 - Jan.1984 (13 months)	1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled																						
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		(Description)	The project has been suspended because of the change in agricultural policy of Thai Government.																						
		2. MAJOR REASONS FOR PRESENT STATUS	Countermeasure to families which will be sunk in water in the River Basin.																						
		3. PRINCIPAL SOURCES OF INFORMATION	(1)																						

和名 メCHANかんがい農業開発計画

(F/S, (M/P)+F/S, D/D)

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1991

ASE THA 309/84

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT																													
1. COUNTRY	Thailand	1. SITE OR AREA	NakhonRatchasima and BuriRam Provinces, northeastern part of Thailand			1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled																												
2. NAME OF STUDY	Lower Northeast Medium Scale Irrigation Package Project	2. PROJECT COSTS	Price in 1983 Total Cost Local Cost Foreign Cost 1) 30,700 (US\$1,000) 2) 3)																															
3. SECTOR	Agriculture/ General	3. CONTENTS OF MAJOR PROJECT(S)	<table border="1"> <thead> <tr> <th></th> <th>Lam Plai Mat</th> <th>Nong Lam Puk</th> <th>Huai Phlu</th> </tr> </thead> <tbody> <tr> <td>Irrigation area</td> <td>9,100</td> <td>300</td> <td>700</td> </tr> <tr> <td>Dam height</td> <td>44.6m</td> <td>12.0m</td> <td>20m</td> </tr> <tr> <td>pondage</td> <td>90 MCM</td> <td>4 MCM</td> <td>6 MCM</td> </tr> <tr> <td>Diversion weir</td> <td>1 site</td> <td>-</td> <td>-</td> </tr> <tr> <td>Canal irrigation</td> <td>215km</td> <td>13km</td> <td>29km</td> </tr> <tr> <td>drainage</td> <td>45km</td> <td>-</td> <td>1km</td> </tr> </tbody> </table>				Lam Plai Mat	Nong Lam Puk	Huai Phlu	Irrigation area	9,100	300	700	Dam height	44.6m	12.0m	20m	pondage	90 MCM	4 MCM	6 MCM	Diversion weir	1 site	-	-	Canal irrigation	215km	13km	29km	drainage	45km	-	1km	(Description) The construction of mid-size dam in Lam Plai Mat started in 1987 by Thai Government budget and will complete in 1991. Small-scale dams in adjustment areas and surrounding dams will be implemented successively from 1990 with Thai Government budget.
	Lam Plai Mat	Nong Lam Puk	Huai Phlu																															
Irrigation area	9,100	300	700																															
Dam height	44.6m	12.0m	20m																															
pondage	90 MCM	4 MCM	6 MCM																															
Diversion weir	1 site	-	-																															
Canal irrigation	215km	13km	29km																															
drainage	45km	-	1km																															
4. REFERENCE NO.		4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR FIRR 8.7%-11.2% Feasibility: Yes Conditions and Development Impacts: Irrigation agriculture development plan: The proposed cropping pattern is 100% of wet season paddy and 10% of dry season upland crop. The terminal irrigation facilities are planned at each 20-30 ha of irrigable area. Water use development plan in a village: Field crop adjustment facilities for night will be established to breed fish as well as to secure farmers' drink water and for other use through surrounding shallow well.																															
5. TYPE OF STUDY	F/S	5. TECHNICAL TRANSFER				2. MAJOR REASONS FOR PRESENT STATUS Recently huge construction such as Eastern coastal project and highway project have been implemented. Foreign finance is used for such kinds of big projects while Thai Government budget is utilized for small and mid-size projects.																												
6. COUNTERPART AGENCY	RID (Royal Irrigation Department), Ministry of Agriculture and Cooperatives	8. DATE OF S/W	Dec.1982																															
7. OBJECTIVES OF STUDY		9. CONSULTANT(S)	Sanyu Consultants Inc. Nagai Engineering Co., Ltd. Kokusai Kogyo Co., Ltd.		3. PRINCIPAL SOURCES OF INFORMATION (1)																													
10. STUDY TEAM	No. of Members 14 Period Feb.1983 - Jul.1984 (18 months) Feb.1983 - Aug.1983 (7 months) Total M/M 82.10 Japan 38.31 Field 43.79	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY																																
12. EXPENDITURE	Total 240,296 (¥000) Contracted 223,112																																	

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1991

ASE THA 310/85

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT			
1. COUNTRY	Thailand	1. SITE OR AREA					
2. NAME OF STUDY	Comprehensive Storage Facilities Development Project (Phase II)	2. PROJECT COSTS	<small>0531-202.037an In Doc.1384 Btl-9.10yam</small>				
3. SECTOR			Total Cost	Local Cost	Foreign Cost		
4. REFERENCE NO.			1) 42,129	21,167	20,962		
5. TYPE OF STUDY	F/S	(US\$,1,000) 2)					
6. COUNTERPART AGENCY	Public Warehouse Organization (PWO)	3)					
7. OBJECTIVES OF STUDY		3. CONTENTS OF MAJOR PROJECT(S)		<p>(Description)</p> <p>In 1986, Thai government revised the rice marketing policy drastically and abolished the conventional government procurement at support prices. Operational scale of PWO reduced abruptly by this change. On the other hand, the government is proceeding an integrated facilities for collecting, processing and exporting agricultural products at the back of the port at Laem Chabang as a national project of building a "Deep Sea Port".</p> <p>In this project, loading facilities for export rice with storage function were once planned. But they are not materialized.</p> <p>The rice exports have long been made from the river port in Bangkok city. The construction of modern facilities by private companies are also in progress.</p> <p>In any way, the Thailand has achieved rice export of 5.7 million tons in 1989. Further rationalization of rice marketing channels and modernization of marketing function of the markets are strongly desired by both government side and private organization.</p>			
8. DATE OF S/W	Dec.1983	4. FEASIBILITY AND ITS ASSUMPTIONS				BIRR	FIRR
9. CONSULTANT(S)	Overseas Merchandise Inspection Co.,Ltd. Sanyu Consultants Inc.	Feasibility: Yes				(I) 12.0%	(II) 13.1%
10. STUDY TEAM	No. of Members 11 Period Feb.1984 - Jun.1985 (7 months)	Conditions and Development Impacts:					
	Total M/M 40.66 Japan 19.74 Field 20.94	<p>Conditions:</p> <p>1. Recruiting and training of personnel</p> <p>2. Proper management and control</p> <p>3. R&D by Cooperation with other organization</p> <p>Development Impacts:</p> <p>1. Expansion of public activities by PWO</p> <p>2. Support government rice price policies and materialize long-term stabilization of producers' paddy price and consumers' milled rice price</p> <p>3. Improvement and rationalization of rice marketing by expanding and improving facilities/warehouses at rice markets</p> <p>4. Continued Sales to existing markets and developing new markets by improving export rice quality and expanding shipping facilities and capacities for loading onto a large sized ocean-going vessels.</p> <p>5. Reducing losses during storage</p> <p>6. Support the activities of public organizations such as agricultural cooperatives, BANC, etc. by offering them the use of Warehouse.</p> <p>7. Providing services for marketing other agricultural products by offering the use of seasonal empty space and the auxiliary facilities of the warehouse.</p>					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINCAL TRANSFER		2. MAJOR REASONS FOR PRESENT STATUS			
12. EXPENDITURE	Total 122,939 (¥000) Contracted 114,782			<p>Thai government policy is, in principle, to let the rice marketing function in the hands of private people. They expect investments from private people for related facilities of rice marketing</p>			
				3. PRINCIPAL SOURCES OF INFORMATION			
				(1)			

和名 穀物貯蔵施設整備拡充計画 Phase II

(F/S, (M/P)+F/S, D/D)

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1991

ASE THA 311/85

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Thailand	1. SITE OR AREA	Sakae Krang River Basin(6,300 sq.km)		1. PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing
2. NAME OF STUDY	Sakae Krang River Basin Irrigation Project	2. PROJECT COSTS	US\$1=27B Total Cost Local Cost Foreign Cost 1) 107,226 35,144 72,082 (US\$1,000) 2) 3)		
3. SECTOR	Agriculture/ General	3. CONTENTS OF MAJOR PROJECT(S)	Mae Wong irrigation scheme was selected as a result of M/P and Pre-F/S. 1. Irrigation area : 46,700ha 2. Water source : Mae Wong river 3. Upper Mae Wong dam: Rock-fill type Height 57m, Crest Length 794m 4. Irrigation Facilities: Intake weir 2 sites Main canal 76.7 km Secondary canal 285.2 km Drainage canal 204.2 km Implementation Period: 7 years		(Description) Environmental impact assessment study is undertaken by RID for earlier implementation of the project
4. REFERENCE NO.		4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR FIRR 13.0% Feasibility: Yes		
5. TYPE OF STUDY	F/S	Conditions and Development Impacts:	1. increase of crop production 2. improvement of living standard and welfare 3. improvement of cropping productivity in the dry season		
6. COUNTERPART AGENCY	RID (Royal Irrigation Department), Ministry of Agriculture and Cooperatives	5. TECHNICAL TRANSFER			
7. OBJECTIVES OF STUDY	M/P Pre-F/S F/S	12. EXPENDITURE	Total 257,848 (¥'000) Contracted 246,885		
8. DATE OF S/W	Jul. 1984	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY			
9. CONSULTANT(S)	Nippon Koei Co., Ltd. Nippon Giken Inc. Kyowa Consultants	2. MAJOR REASONS FOR PRESENT STATUS			
10. STUDY TEAM	No. of Members 16 Period Sep. 1984 - Mar. 1986 (19 months) Total M/M 90.27 Japan 35.22 Field 55.05	3. PRINCIPAL SOURCES OF INFORMATION	(1)		

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1991

ASE THA 312/86

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Thailand	1. SITE OR AREA	Bang Nara River Basin of Nava Tik Province in Southern Thailand		
2. NAME OF STUDY	Bang Nara Irrigation and Drainage Project	2. PROJECT COSTS	(US\$1=20Bahts in 1985)		
3. SECTOR	Agriculture/ General		Total Cost	Local Cost	Foreign Cost
4. REFERENCE NO.			1) 25,240,000	10,320,000	14,920,000
5. TYPE OF STUDY	F/S		2) (US\$1,000)		
6. COUNTERPART AGENCY	RID (Royal Irrigation Department)	3. CONTENTS OF MAJOR PROJECT(S)	3)		
7. OBJECTIVES OF STUDY			- To construct tidal gates both in Nara Tik side and Tagbai side of Bang Nara River - Pumping irrigation by utilizing planned reservoir with 9 pumping stations - Rehabilitation of drainage rivers flowing into Bang Nara River - To install 6 check gates to control acid water		
8. DATE OF S/W	Jul. 1984	4. FEASIBILITY AND ITS ASSUMPTIONS	BIRR	FIRR	
9. CONSULTANT(S)	Sanyu Consultants, Inc. Japan Engineering Consultants co., Ltd.		10.2%		
10. STUDY TEAM	No. of Members 12 Period May. 1985 - Jan. 1987 (21 months) Total M/M 106.23 Japan 42.55 Field 63.68	Feasibility: Yes	Conditions and Development Impacts: The beneficial area: - by pumping irrigation for existing paddy fields, 9,100 ha - by rehabilitation of river, 5,280 ha for paddy fields and 6,210 ha for rubber fields The main purpose of the project is to utilize Bang Nara water resources for irrigation and to control the flood in rainy season.		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINCAL TRANSFER			
12. EXPENDITURE	Total 293,736 (¥'000) Contracted 271,828				
		1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing		
		(Description)	As one of grant aid projects of the Japanese Government, Detail Design (Feb. 1988 - June 1988) E/N Contract (Sep. 30, 1988) Implementation (Starting from Oct. 1988) Completion (Nov. 1990)		
		2. MAJOR REASONS FOR PRESENT STATUS			
		3. PRINCIPAL SOURCES OF INFORMATION	(1)		

PROJECT SUMMARY (M/P + F/S)

Compiled March 1990
Revised March 1991

ASE THA 202A/88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Thailand	1. SITE OR AREA	Four provinces in the eastern Thailand facing or close to the sea (Chachoengsao, Chonburi, Rayon and Chanthaburi)			1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Agricultural Land and Conservation for Integrated Rural Development in the East	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	by 1988 price Total Cost Local Cost Foreign Cost 1) 2,776,293 1,696,090 1,080,203 2) (US\$1,000)			
3. SECTOR	Agriculture/ General	3. MAJOR PROJECT(S) PROPOSED	Sixteen districts, which need the urgent measures to conserve lands and water, were selected as the proposed sites of pilot projects out of four provinces where extensive farming has been practiced under the harsh natural conditions. Simple F/S was carried out based on the above ideas. The construction costs are estimated at US\$ 6,649 million in total (local 4,063 plus foreign 2,587).			(Description) The following plans have been made to strengthen the capabilities of DLD in implementing the project. (1) To establish a "Technology Introducing Center" at the DLD main office. (2) To set up a "Soil and Water Conservation Center" at every regional office of DLD.
4. REFERENCE NO.		4. CONDITIONS AND DEVELOPMENT IMPACTS	Prior condition: The capabilities of DLD in implementing the project should be strengthened. Benefits from the project: Distraction of the environment (water, soils and forests) which is going on will be alleviated. Development and stabilization of the areas bordering with Cambodia will contribute to improving the daily lives of villagers and the security of the area as well.			
5. TYPE OF STUDY	M/P+(F/S)	5. TECHINCAL TRANSFER	-Acceptance of three trainees for in-service training in Japan -OJT -Organizing seminars at the DLD main office			
6. COUNTERPART AGENCY	Ministry of Agriculture and Cooperatives Department of Land Development (DLD)	2. MAJOR REASONS FOR PRESENT STATUS				
7. OBJECTIVES OF STUDY		3. PRINCIPAL SOURCES OF INFORMATION	(1)			
8. DATE OF S/W	Feb.1987					
9. CONSULTANT(S)	Taiyo Consultants Co., Ltd. Sanyu Consultants Inc.					
10. STUDY TEAM	No. of Members 12 Period Sep.1987 - Sep.1988 (13 months) Total M/M 68.45 Japan 22.98 Field 45.47					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Topographic survey Analysis of soil samples					
12. EXPENDITURE	Total 213,841 (Y'000) Contracted 202,533					

PROJECT SUMMARY (M/P + F/S)

Compiled March 1990
Revised March 1991

ASE THA 202B/88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Thailand	1. SITE OR AREA	Four provinces in the eastern Thailand facing or close to the sea (Chachoengsao, Chonburi, Rayon, and Chanthaburi)		1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input checked="" type="checkbox"/> Processing <input type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled	(Description) Progress: The Thai Government intends to implement the 16 pilot projects for agricultural land conservation, which were worked out through F/S, according to the priority orders given to each project. The Thai Government requested the grant aid of the Japanese Government for procuring the machineries for civil engineering and construction as well as those for farming operation which are required to implement the projects. The Japanese Government, in response to the request, is now undertaking B/D surveys.
2. NAME OF STUDY	Agricultural Land and Conservation for Integrated Rural Development in the East	2. PROJECT COSTS				
3. SECTOR	Agriculture/ General		Total Cost	Local Cost	Foreign Cost	
4. REFERENCE NO.			1) 2,776,293	1,696,090	1,080,203	
5. TYPE OF STUDY	(M/P)+F/S		(US\$1,000)	2)	3)	
6. COUNTERPART AGENCY	Ministry of Agriculture and Cooperatives Department of Land Development (DLD)	3. CONTENTS OF MAJOR PROJECT(S)				
7. OBJECTIVES OF STUDY		For the purpose of protecting the natural resources from further destruction and preserving the lands which were indiscriminately reclaimed, an agricultural land conservation project was planned concentrating on the following measures: 1) Agricultural measures 2) Civil engineering measures 3) Irrigation facilities 4) Supporting measures				
8. DATE OF S/W	Feb. 1987				Implementation Period:	
9. CONSULTANT(S)	Taiyo Consultants Co., Ltd. Sanyu Consultants Inc.	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
10. STUDY TEAM	No. of Members 12 Period Sep. 1987 - Sep. 1988 (13 months) Total M/M 68.45 Japan 22.98 Field 45.47	Feasibility: Yes Conditions and Development Impacts: • The benefit from crop cultivation accounts for 92% of the total • Creation of employment opportunities • Improvement of living standard of villagers as well as activation of economic circumstances of the area • Improvement of the security of the area • Saving and obtaining foreign currencies • Preservation of ecosystem • Preservation of water resources and prevention of disasters • If the expenses for procuring construction machinery are deleted, EIRR will raise to 13.1%				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Topographic survey Analysis of soil samples				5. TECHNICAL TRANSFER	
12. EXPENDITURE	Total 213,841 (¥'000) Contracted 202,533				Conservation of agricultural lands, which plays a key role in preservation of the environment, is deemed as one of the measures of top priority. Therefore, it should be implemented urgently, and the Thai Government requested the assistance through the grant aid scheme.	
					(1)	

PROJECT SUMMARY (M/P)

Compiled March 1991
Revised

ASE THA 102/89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Thailand	1. SITE OR AREA	The project is located in the watershed area of Sebai-Sebok-Tung Lung Rivers covering 8,780 ha in Changwat Ubon Ratchathani and Yasothon in the N-E Region of Thailand.		1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Sebai-Sebok Basin Development Project	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost	
3. SECTOR	Agriculture/ General		(US\$1,000) 1) 65,000	Foreign Cost	
4. REFERENCE NO.		3. MAJOR PROJECT(S) PROPOSED	2)		
5. TYPE OF STUDY	M/P	- With entire 8,780 ha watershed area as a target area, the project shall carry out evaluation of agricultural land and water resources utilization and formulate an integrated development plan consisting of storage, diversion and pumping schemes.			
6. COUNTERPART AGENCY	RID (Royal Irrigation Development), Ministry of Agriculture and Cooperatives	- To prioritize 5 medium-scale reservoir projects out of the 26 proposed projects.			
7. OBJECTIVES OF STUDY		- To conduct feasibility study for selected 5 priority projects			
8. DATE OF S/W	Apr. 1988	4. CONDITIONS AND DEVELOPMENT IMPACTS			
9. CONSULTANT(S)	Sanyu Consultants Inc. Naigai Engineering Co.,	The project is aimed to stabilize rural society and to develop rural economy in the most drought-suffered poverty area in the N-E Thailand. After identification of 5 priority projects for F/S and early implementation of these priority projects as a model of development, the remaining 21 projects shall be put for successive implementation under the same concept and methodology. With such an arrangement, the project benefit can be expanded to cover the entire watershed area.			
10. STUDY TEAM	No. of Members 9 Period Sep. 1988 - Mar. 1989 (6 months) Total M/M 62.63 Japan 25.63 Field 37.00	5. TECHNICAL TRANSFER			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		Technical transfer has been done properly through the process of various studies and surveys, the course of plan formulation and discussion and preparation and submission of the report.			
12. EXPENDITURE	Total 202,870 (¥'000) Contracted 196,966				
				2. MAJOR REASONS FOR PRESENT STATUS	
				Since there are many pending requests for loan and/or grant in Thailand, and annual implementation programs in recent years have been fully occupied, materialization of this project under technical or economical assistance of Japan seems to wait several years more.	
				3. PRINCIPAL SOURCES OF INFORMATION	
				(1)	

和名 セバイ・セボック流域開発計画

(M/P, M/P+(F/S), Basic Study, Other)

PROJECT SUMMARY (M/P)

Compiled March 1991
Revised

ASE THA 103/89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT		
1. COUNTRY	Thailand	1. SITE OR AREA			1. PRESENT STATUS	Completed or in Progress	Promoting
2. NAME OF STUDY	Water Management System and Monitoring Program in Chao Phraya River Basin	2. PROJECT COSTS	Total Cost	Local Cost	Foreign Cost	Completed	Delayed or Suspended
3. SECTOR	Agriculture/ General	(US\$1,000)	1)	2)	3)	Implementing	Discontinued or Cancelled
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)				(Description)	
5. TYPE OF STUDY	M/P						
6. COUNTERPART AGENCY	Royal Irrigation Department						
7. OBJECTIVES OF STUDY							
8. DATE OF S/W	May 1986	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR			
9. CONSULTANT(S)	Sanyu Consultatns Inc. Taiyo Consultants	Feasibility:					
10. STUDY TEAM	No. of Members 14 Period Jan.1987 - Mar.1989 (27 months) Total M/M 157.82 Japan 49.59 Field 108.23	Conditions and Development Impacts:				2. MAJOR REASONS FOR PRESENT STATUS	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY							
12. EXPENDITURE	Total 570,471 (¥'000) Contracted 474,636	5. TECHINCAL TRANSFER				3. PRINCIPAL SOURCES OF INFORMATION	

和名 チャオピア川流域水管理システムおよび監視計画

PROJECT SUMMARY (F/S)

Compiled March 1991
Revised

ASE THA 313/89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Thailand	1. SITE OR AREA	Chantaburi River Basin (East Coast)			1. PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Agricultural Water Development Project in Chantaburi River Basin	2. PROJECT COSTS	Total Cost	Local Cost	Foreign Cost	
3. SECTOR	Agriculture/ General		1) 122,000			(Description) In 1989 RID requested to MOAC that yen loan should be applied for the implementation of this project, but the request for loan has not yet been made.
4. REFERENCE NO.			2)			
5. TYPE OF STUDY	F/S		3)			
6. COUNTERPART AGENCY	Royal Irrigation Department, Ministry of Agriculture and Cooperatives (MOAC)	3. CONTENTS OF MAJOR PROJECT(S)	Two Storage Dams: Gross Effective Storage Capacity: 44.5MCM Length of Water Conveyance Pipeline: 111.6km Main Pumping Stations: 5 places			
7. OBJECTIVES OF STUDY		Implementation Period:				
8. DATE OF S/W	Mar.1987	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
9. CONSULTANT(S)	Sanyu Consultants Inc. Pacific Consultants International Idec Inc.	Feasibility:	14.6%			
10. STUDY TEAM	No. of Members 10 Period Mar.1988 - Jul.1989 (16 months) Total M/M Japan 29.33 Field 37.81	Conditions and Development Impacts: The area which has annual rainfall of 2,500mm is one of the producing districts of tropical fruits with considerably improved marketing system. However due to unimproved agricultural infrastructure, water shortage occurs in dry season. By implementing the project, this problem will be solved, and increase of production and improvement of quality of the fruits will be expected including stable supply of drinking and industrial water.				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINCAL TRANSFER	On the job training			
12. EXPENDITURE	Total 203,038 (¥000) Contracted 193,112				2. MAJOR REASONS FOR PRESENT STATUS Due to higher cost in comparison with the other projects with similar nature	
					3. PRINCIPAL SOURCES OF INFORMATION (1)	