

# PROJECT SUMMARY (M/P+F/S)

Compiled Mar. 1986  
Revised Mar. 1996

ASE PHIL/S 202B/82

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT																				
1. COUNTRY	Philippines	1. SITE OR AREA	Laoag district (Ilocos Norte Province), Legaspi City and Daraga Town (Albay Province), Tagbilaran City (Bohol Province)			1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled																			
2. NAME OF STUDY	Local Water Supply Projects	2. PROJECT COST	M/P 1) 56,480 Local Cost	21,860 Foreign Cost	34,620																					
3. SECTOR	Public Utilities/Water Supply		(US\$1,000) FS 1) 16,620	6,220	10,400	(Description) After Marcos Regime fell, the contents of this project were changed drastically. Only the Laoag area (Ilocos Prov.) was selected from the project and grouped with two other cities to apply for OECF finance.  Jan. 1988    OECF L/A signed (381 million yen) May 1990    D/D completed and construction works started. Nov. 1994    Construction to be completed  (FY1994 Domestic Survey)(FY1995 Domestic Survey) No additional information.																				
4. REFERENCE NO.			(US\$1=7.80P) FS 2) 8,640	3,720	4,920																					
5. TYPE OF STUDY	M/P+F/S		FS 3) 6,510	2,670	3,840																					
6. COUNTERPART AGENCY	Local Water Utilities Administration	3. CONTENTS OF MAJOR PROJECT(S)	<M/P> Phase Served Water (Target year) /Population /Demand(cu.m/day)/ Facilities Basis (1982) 76,500 14,800 Phase-1(1987) 116,760 28,933 Improvement of existing facilities Phase-2(1993) 206,690 45,608 Expansion of distribution pipelines Phase-3(2010) 358,811 71,231 Expansion of water facilities including new water resources More expansion of Phase-2 entire schemes. The project costs for different districts are as follows. <table style="width: 100%; border-collapse: collapse;"> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> <tr> <td>Laoag</td> <td>24,280</td> <td>9,200</td> <td>15,080</td> </tr> <tr> <td>Legaspi</td> <td>11,940</td> <td>4,740</td> <td>7,200</td> </tr> <tr> <td>Daraga</td> <td>89,000</td> <td>3,500</td> <td>5,400</td> </tr> <tr> <td>Tagbilaran</td> <td>11,360</td> <td>4,420</td> <td>6,940</td> </tr> </table> <F/S>(1)Laoag area: water intake conduits, deep wells, transmission and distribution pipes, etc. (4,130 cu.m/day) (2)Legaspi area: spring water, transmission and distribution pipes, etc. (6,480 cu.m/day) (3)Daraga town: spring water, transmission and distribution pipes, etc. (4,320 cu.m/day) (4)Tagbilaran city: deep wells, distribution reservoirs, distribution pipes, etc. (1,700 cu.m/day) (5)Total water quantity: 16,630 cu.m/day (Planned development quantity) The above project costs for Phase 1 and Phase 2 are 1) Laoag area, 2) Legaspi area, 3)Daraga town. The project costs for Tagbilaran city are as follows. Total Cost:6,560, Local Cost:2,510, Foreign Cost: 4,050.					Total Cost	Local Cost	Foreign Cost	Laoag	24,280	9,200	15,080	Legaspi	11,940	4,740	7,200	Daraga	89,000	3,500	5,400	Tagbilaran	11,360	4,420	6,940
	Total Cost	Local Cost	Foreign Cost																							
Laoag	24,280	9,200	15,080																							
Legaspi	11,940	4,740	7,200																							
Daraga	89,000	3,500	5,400																							
Tagbilaran	11,360	4,420	6,940																							
7. OBJECTIVES OF STUDY	F/S of the emergency project based on the master plan. Planning on the water supply expansion plan up to the year 2010 and selection of emergency project.	Imp. Period:	1984.1-1986.12																							
8. DATE OF SAW	1981/3	4. FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) EIRR2) EIRR3)	HRR1) HRR2) HRR3)																					
9. CONSULTANT(S)	Nihon Suido Consultants Co., Ltd.	10. STUDY TEAM	Conditions and Development Impacts: <M/P><Assumptions> Based on the served population, which was assumed to rise gradually, future water demand was projected. <Impacts>(1) Full utilization of the existing water sources. (2) Alleviation of the chronic water shortage (3) Expansion of the water supply system <F/S><Conditions>F/S was carried out for two cases: the initial project of Phase 1, the combined project of Phase 1 and Phase 2. <Impacts> Increase of services area and served population, safe, continuous and stable water supply, improvement of environmental hygiene, decrease of fire injury, increase of land prices and expansion of employment opportunities. EIRRs for different districts are as follows. <table style="width: 100%; border-collapse: collapse;"> <tr> <th></th> <th>Phase 1</th> <th>Phase 1+Phase 2</th> </tr> <tr> <td>Laoag area</td> <td>11%-14%</td> <td>9%-11%</td> </tr> <tr> <td>Legaspi area</td> <td>24%-37%</td> <td>14%-18%</td> </tr> <tr> <td>Daraga town</td> <td>40%-49%</td> <td>17%-24%</td> </tr> <tr> <td>Tagbilaran city</td> <td>14%-18%</td> <td>16%-19%</td> </tr> </table>					Phase 1	Phase 1+Phase 2	Laoag area	11%-14%	9%-11%	Legaspi area	24%-37%	14%-18%	Daraga town	40%-49%	17%-24%	Tagbilaran city	14%-18%	16%-19%					
	Phase 1	Phase 1+Phase 2																								
Laoag area	11%-14%	9%-11%																								
Legaspi area	24%-37%	14%-18%																								
Daraga town	40%-49%	17%-24%																								
Tagbilaran city	14%-18%	16%-19%																								
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	None	5. TECHNICAL TRANSFER	Carried out the training program on investigation, planning and management of water works for four counterparts. Two counterparts have studied and prepared studies with project team.																							
12. EXPENDITURE		2. MAJOR REASONS FOR PRESENT STATUS	<M/P>Provision of water supply is an essential infrastructure for improving environmental and sanitary condition in the respective four cities, as they have been developing as the center of the regions. <F/S> The scope of the project was reviewed and modified by the present administration after Marcos Regime fell.																							
Total	182,931 (¥'000)	3. PRINCIPAL SOURCE OF INFORMATION	①, ④																							
Contracted	180,464																									

[M/P+F/S]

# PROJECT SUMMARY (M/P+F/S)

Compiled Mar.1986

Revised Mar.1996

ASE PHIL/S 201B/82

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT		
1.COUNTRY	Philippines	1.SITE OR AREA		Port Irene at Casambalagan bay		1.PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input checked="" type="checkbox"/> Discontinued or Cancelled	
2.NAME OF STUDY	Development Project of the Port of Irene	2.PROJECT COST (US\$1,000)	MP 1) 2) FS 1) 2) 3)	Local Cost	Foreign Cost			
3.SECTOR	Transportation/Port	(US\$1=7.95P)		12,941	4,167	(Description) Sep.1983 OECF loan agreement signed (E/S, 240 million yen) Aug.1986 D/D completed  (FY1991 Overseas Survey) The project implementation has been suspended since the political change in 1986 and is now considered unlikely.  (FY1994 Domestic Survey) No additional information.		
4.REFERENCE NO.		3.CONTENTS OF MAJOR PROJECT(S)						
5.TYPE OF STUDY	M/P+F/S	<M/P> Main projects(Target year 2000): - 2 berths for foreign trade (-10m, 15,000dwt)(New construction) - 3 berths for domestic trade (-7.5m, -5.5m) (New construction) - 1 Container berth for domestic trade (-7.5m)(New construction) - Construction of sheds, warehouses, fishing ports  * Above project costs are for short-term plan.  <F/S> Short-term projects: Wharf for foreign trade (-10m) 1berth (200m) Mooring basin (-10m) 750 thousand cu.m Transit shed (40mx90m) Road (width 10m) 1.6km						
6.COUNTERPART AGENCY	The Philippine Ports Authority(PPA)	Imp. Period: 1983.10-1986.12						
7.OBJECTIVES OF STUDY	Preparation of Master Plan(Target year 2000) and Short-term Development Plan (Target year 1987)	4.FEASIBILITY AND ITS ASSUMPTIONS		Peasibility: Yes	EIRR1) 25.20 EIRR2) EIRR3)			FIRR1) 5.20 FIRR2) FIRR3)
8.DATE OF SAW	1981/2	10.STUDY TEAM						
9.CONSULTANT(S)	Overseas Coastal Area Development Institute							
Total M/M                    Japan                    Field 46.98                        35.10                    11.88		Conditions and Development Impacts: <M/P> Development of this port in short-term plan will increase the employment opportunity and the income through the development of the Cagayan Valley where agriculture and forestry are main industry. In long-term plan development of this port will strengthen the basis of industry in this region and contribute to the development of sea transportation system in the Philippines. <F/S> Conditions: Cargo throughput projection(1987) for the short-term plan are based on the development prospects of Cagayan Province. The projection for the long-term plan(2000) is based on the development prospects of the northeastern region of Luzon Island. Impacts: The port will function as one of the development centers for the Cagayan Valley area and contribute to the increase of employment and income among the local population.						
		11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER				2.MAJOR REASONS FOR PRESENT STATUS
12.EXPENDITURE		Total		135,956 (¥000)				3.PRINCIPAL SOURCE OF INFORMATION
		Contracted		101,988				
				1)On the job training to counterpart ; 2)Counterpart training 3)Preparation of report by cooperation with counterpart 4)Use the local consultant for oceanographic survey and boring 5)Donation of machinery and instruction of its use.		①, ②, ④		

和名 アイリーン港整備計画

(M/P+F/S)

# PROJECT SUMMARY (F/S)

Compiled Mar.1990  
Revised Mar.1996

ASE PH/A 306/82

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"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input checked="" type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Discontinued or Cancelled						
2. NAME OF STUDY Alcogas Project		Maragondon, Cavite Province, Luzon Island (Area 13,000ha)											
3. SECTOR Agriculture/(Agriculture in)General		2. PROJECT COST		Total Cost	Local Cost	(Description) The Government of the Philippines suspended the implementation of this project because of the fall in the price of crude oil.  (FY1991 Overseas Survey) Originally, it had been planned that PNAC will take charge of the political matters and PNOC will take charge of the implementation and the administrative matters of the Project, respectively. However, since the imd of 1980's, the Government of Philippines is suspended the implementation of the Project due to a considerable fall in prices of crude oil. It seems to be very difficult to adopt this Alcogas Project by the Government, unless a big change of the price of crude oil and/or situations of other energy resources (such as coal, bio-gas, natural energy and so on) some out. All of PNAC and a part of PNOC (in charge of Alcogas) has been dissolved.  (FY1994 Overseas Survey) No progress.  (FY1995 Domestic Survey) No additional information.							
4. REFERENCE NO.				23,290	12,890			10,400					
5. TYPE OF STUDY		F/S											
6. COUNTERPART AGENCY Philippine National Alcohol Commission (PNAC)		3. CONTENTS OF MAJOR PROJECT(S)											
7. OBJECTIVES OF STUDY To clarify the feasibility on the agricultural and industrial development plan of raw materials and alcohol production.		1. Cropping Area : 3,040ha (including Sugarcane 2,380ha) 2. Main Roads : 4km 3. Secondary Roads : 118km 4. Related Structures : Bridges 2, Culverts 23  Note: The cost above includes the industrial component.											
8. DATE OF SAV		1980/12		Imp. Period: 1981.1-1986.5									
9. CONSULTANT(S) Nippon Koei Co., Ltd. Chuo Kaihatsu International Corp.		4. FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 9.70 EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)							
10. STUDY TEAM		[Conditions] Agricultural Benefit is estimated based on the difference in net agricultural benefit between with and without the project conditions.  [Development Impact] - Increase of farmers' income - Increase of employment opportunity - Improvement of local transportation  *EIRR calculated includes industrial section.											
No. of Members 11 Period Mar.1980-Mar.1982 (29 months)  <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">Japan</td> <td style="text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">32.00</td> <td style="text-align: center;">10.00</td> <td style="text-align: center;">22.00</td> </tr> </table>		Total M/M	Japan	Field	32.00	10.00	22.00					2. MAJOR REASONS FOR PRESENT STATUS	
Total M/M	Japan	Field											
32.00	10.00	22.00											
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY													
12. EXPENDITURE				5. TECHNICAL TRANSFER		3. PRINCIPAL SOURCE OF INFORMATION							
<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total</td> <td style="text-align: center;">139,123 (¥'000)</td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">101,171</td> </tr> </table>		Total	139,123 (¥'000)	Contracted	101,171					Technology transfer to counterparts in the course of the study.		①	
Total	139,123 (¥'000)												
Contracted	101,171												

和名 アルコガス計画

# PROJECT SUMMARY (F/S)

Compiled Mar.1990  
Revised Mar.1996

ASE PHL/A 305/82

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT									
1.COUNTRY	Philippines	1.SITE OR AREA		The north-east District of Luzon island Pangasinan province, Mabini		1.PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled								
2.NAME OF STUDY Mabini Agricultural Development Project		2.PROJECT COST						Total Cost	Local Cost	Foreign Cost					
				1) 127,129	55,698	71,431									
				2)											
				3)											
3.SECTOR Agriculture/(Agriculture in)General		3.CONTENTS OF MAJOR PROJECT(S)				(Description) (FY1991 Overseas Survey) Owing to the change of administration in 1986, the Government of the Philippines did not manage to evaluate the priority of the proposed project. The Government of the Philippines has no plan to find financial assistance.  (FY1993 Overseas Survey) This project is treated as the plan of CORPLAN which will be implemented from 1998 to 2005 by NIA. Although at the Project Site, they are willing to change the project name into the ALABANAS project, the contents of plan are not changed. The Project target area is the sphere of influence of the President Ramos, therefore, the NIA predicts that it is possible to accelerate the raising expenses and implementation of the Project.  (FY1994 Domestic Survey)(FY1995 Domestic Survey) No additional information.									
4.REFERENCE NO.		The Government of Philippines has been laying high priority on the agricultural development in the 5-year Development Plan and endeavoring the increase of food-stuff and of people's income through securing irrigation water by development of water resources. Under this background, the Government of Philippines is planning to increase the rice production by supply of the irrigation water constructing or rehabilitating the irrigation facilities and is planning sequentially the increase of farmer's income and the stability of the public welfare through the improvement of related agricultural development facilities or of institution of agriculture on the Mabini area located at the western part of Pangasinan province in the north-west of Luzon island. -Project Area 20,000ha -Irrigation Area 11,500ha -Dam Type:Center-core Type Rockfill Dam, Height:88.5m, Length 530m -Reservoir Total capacity:303MCM, Effective capacity:240MCM, Reservoir Area:12.2km <sup>2</sup> -Driving Canal 7.7km -Main Canal 52.5km -Branch Canal 135.3km -Electric Power Power Station 2 locations, Generation Facility Capacity of Facility: 3,000KW, 7,000KW, Annual Power Generation: 25million KWH													
5.TYPE OF STUDY								F/S							
6.COUNTERPART AGENCY								National Irrigation Administration (NIA)							
7.OBJECTIVES OF STUDY								Stabilization of the people's livelihood and improvement of the income by the construction of rock fill dam and new irrigation system							
8.DATE OF S/W								1981/2							
9.CONSULTANT(S)								Japan Engineering Consultants Co., Ltd. Nihon Suiko Consultant Co., Ltd.							
10.STUDY TEAM								No.of Members 15 Period Sep.1981-Mar.1982(7 months)							
								<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Total M/M</td> <td style="width: 33%;">Japan</td> <td style="width: 33%;">Field</td> </tr> <tr> <td style="text-align: center;">44.96</td> <td style="text-align: center;">15.17</td> <td style="text-align: center;">29.79</td> </tr> </table>		Total M/M	Japan	Field	44.96	15.17	29.79
Total M/M	Japan							Field							
44.96	15.17	29.79													
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		Topographic and Geological Survey													
12.EXPENDITURE		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Total</td> <td style="width: 33%;">106,975 (¥000)</td> <td style="width: 33%;"></td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">99,241</td> <td></td> </tr> </table>		Total	106,975 (¥000)		Contracted	99,241							
Total	106,975 (¥000)														
Contracted	99,241														
		5.technical transfer		2.MAJOR REASONS FOR PRESENT STATUS											
		1.OJT 2.Acceptance of Trainees (2 persons)		Adjustment of project priority in the government from Marcos regime to Akino regime.  (FY1992 Overseas Survey) Economic and political circumstances.											
				3.PRINCIPAL SOURCE OF INFORMATION											
				①, ②, ③											

# PROJECT SUMMARY (F/S)

Compiled Mar.1986  
Revised Mar.1996

ASE PHIL/S 312/82

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT								
1. COUNTRY	Philippines	1. SITE OR AREA	Southern area of Manila Metropolitan zone including Las Pinas Paranaque and Muntinlupa			1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled							
2. NAME OF STUDY	Metro Manila Outer Major Roads Project (Southern Package)	2. PROJECT COST	Total Cost	Local Cost	Foreign Cost	(Description) (FY1992 Overseas Survey) 1. Widening of the Paranaque to Sucat Section Jul.1986 - Mar.1990. Detailed design by DPMH funds(TCGI Engineers) May.1990 Construction commenced partly by IBRD fund (L/A Sept. 1984,US\$102 million) and partly by own funds(179 million pesos). 2. Widening of the Zapote - Alabang Section Detailed design completed with IBRD finance. D/D completed in 1991 by GOP funds. 3. Taguig - Las Pinas - Muntinlupa Section The F/S was reviewed during Apr. - Aug. 1986(funded by the World Bank). The original proposal was rerouted to the section from Taguig to Paranaque (12.9km) which skirts the southern periphery of the International Airport. The new route was named Southern Section of C-5 and the 14th OECF Yen Credit was approved. Jan.1988 OECF loan (Ph-P88) L/A signed (E/S package loan 20 million yen) Apr.1989 - Jan.1991. Detailed Design(C-5 Western and Southern Sections) completed(Katahira & Engineers) Jan.1988. OECF loan (Ph-P78) L/A signed (4,837 million yen for southern C-5 and eastern R-4 connecting C-4 (EDSA) and C-5) Dec.1990 Construction started (to be completed in Dec.1994) Construction of the eastern R-4 has been suspended pending the relocation of squatters. Construction of the southern section of C-5 has not been started pending the acquisition of the right of way. Total Investment 1,445 million pesos (foreign currency 873 million, local currency 572 million)  (FY1993 Overseas Survey) Zapote - Alabang Road: Right-of-Way problems caused the project to delay. Taguig - Las Pinas - Muntinlupa Road: The cost of right-of-way acquisition has decreased economic feasibility of the project. However, a new alignment was established and is known as the southern Section of C-5. OECF loaned this project.  (FY1994 Domestic Survey)(FY1995 Domestic Survey) No additional information.								
			92,200	63,000	29,200									
3. SECTOR	Transportation/Road	3. CONTENTS OF MAJOR PROJECT(S)	- Improvement of roads, 17.8km (1) Paranaque to Sucat Road (7.5km) for expansion 2 lanes to 6 lanes (2) Zapote to Alabang Road (10.3km) for expansion 2 lanes to 4 lanes - New road construction, 20.7km Taguig-Las Pinas - Muntinlupa Road Stage 1(1983-86): A-Route will be widened to a divided four-lane road with auxiliary lanes; B-Route will be improved only at the westernmost section, about 1.6km in a new alignment connecting directly to the Manila-Cavite Coastal Road; The northern section(about 7.8km long) of C-Route will be constructed to a carriageway of 12.25m. Stage 2(1991-94): The remaining section of B-Route will be widened; The southern section of C-Route will be extended to Muntinlupa, while the northern section will be widened; The western section of A-Route will be widened to a divided six-lane road.											
4. REFERENCE NO.		4. FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 40.00 EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)	2. MAJOR REASONS FOR PRESENT STATUS Paranaque-Sucate Road: Since this was considered very urgent, DPMH started by its own fund Other roads: For administrative and economical reasons, DPMH is hoping for external finance from OECF or IERD								
5. TYPE OF STUDY	F/S	8. DATE OF SAW	1980/12	Imp. Period: 1983. -1994.										
6. COUNTERPART AGENCY	Dept. of Public Works and Highways (DPWH)	10. STUDY TEAM	No. of Members 12 Period Mar.1981-Mar.1982(13 months)  <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">Japan</td> <td style="text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">69.03</td> <td style="text-align: center;">9.86</td> <td style="text-align: center;">59.17</td> </tr> </table>				Total M/M	Japan	Field	69.03	9.86	59.17	3. PRINCIPAL SOURCE OF INFORMATION ①, ②, ③	
Total M/M	Japan	Field												
69.03	9.86	59.17												
7. OBJECTIVES OF STUDY	Road Planning	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Topographic survey, soil survey, Analysis of samples											
9. CONSULTANT(S)	Pacific Consultants International	12. EXPENDITURE	Total	171,819 (¥000)										
			Contracted	166,210										
		5. TECHNICAL TRANSFER	OJT and JICA training program for counterparts											

# PROJECT SUMMARY (F/S)

Compiled Mar.1986

Revised Mar.1996

ASE PHL/S 311/82

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT							
1. COUNTRY	Philippines	1. SITE OR AREA		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Total Cost</td> <td style="width: 15%;">Local Cost</td> <td style="width: 15%;">Foreign Cost</td> </tr> <tr> <td style="text-align: center;">63,628</td> <td style="text-align: center;">15,398</td> <td style="text-align: center;">48,230</td> </tr> </table>		Total Cost	Local Cost	Foreign Cost	63,628	15,398	48,230	1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input checked="" type="checkbox"/> Discontinued or Cancelled
Total Cost	Local Cost	Foreign Cost											
63,628	15,398	48,230											
2. NAME OF STUDY Dalton Pass Tunnel Project		2. PROJECT COST (US\$1,000)											
3. SECTOR Transportation/Road		3. CONTENTS OF MAJOR PROJECT(S)				(Description) The GOP decided to request JICA for a feasibility study to determine the viability of constructing a tunnel. However, although the study indicated the technical and economic feasibility, the proposed project was postponed because of the large cost needed for implementation. At present, the road disaster prevention works along the existing routes, which require less costs, are being undertaken by applying the measures suggested in the study.  (FY1992 Overseas Survey) The existing road was seriously affected by the earthquake in July 1990, and the Philippine Government began to consider whether the road should be rehabilitated or the alternative road should be constructed. GOP has requested Japan to undertake a study on the road network in entire Luzon (including Dalton Pass). The study is expected to be completed in April 1993.  (FY1993 Overseas Survey) The Government proposes to find alternative routes (other than the Dalton Pass).  (FY1994 Domestic Survey) From the economic reason, the tunnel project is deferred and it is planned to use the existing road in the mean time. On this line, rehabilitation of the existing road and provision of disaster prevention measures are presently being implemented under the OECF Yen Loan Program. On the other hand, a project for constructing the road which can be utilized as detour route of Dalton Pass in case of its interruption is formulated. The tunnel project is expected to be materialized when the time is ripe for its execution by economical development and increase in traffic demand.  (FY1995 Domestic Survey) Regarding to the tunnel construction, there are no change since last fiscal year. The detailed design works for the detour route has been decided to be implemented by Yen Credit.							
4. REFERENCE NO.		The Route No. 5 (Philippine-Japan Friendship Highway) is a main truck line connecting between the Luzon Central Plain including the Metro Manila Region and the Cagayan Valley Region in the north. During the typhoon season, the Dalton Pass Region is cut off due to landslides, roadcuts, collapsed bridges, etc. Considering this situation, the realization of the tunneling project was proposed in the Dalton Pass Region.											
5. TYPE OF STUDY								F/S					
6. COUNTERPART AGENCY								Dept. of Public Works and Highways (DPWH)					
7. OBJECTIVES OF STUDY								Construction of Tunnel and Planning of Road Disaster Prevention					
8. DATE OF SAW		1981/2		Imp. Period: 1983. -1990.		4. FEASIBILITY AND ITS ASSUMPTIONS Feasibility: Yes EIRR1) 17.80    EIRR2)    EIRR3) EIRR1)    EIRR2)    EIRR3)							
9. CONSULTANT(S)		Katahira & Engineers International											
10. STUDY TEAM		Conditions and Development Impacts: As an assumption, the forecasted daily traffic in 2015 should be 7910 vehicles per day and a ventilation of jet-fan type, which will be at the first stage applied, shall be changed to the shaft type. The electric power for tunnel facilities shall be secured from the Gabat Substation which would be completed in 1982. The development benefits involve to ensure the traffic in the Dalton Pass Region, and reduction of travel time and the price increase due to cut off of roads at Dalton Pass which causes a detour through Route No. 3 connecting with Metro Manila Region.				2. MAJOR REASONS FOR PRESENT STATUS Judging by the present economic situation, the implementation of a big project seems to be unrealistic within the limited budget of the Ministry in charge.							
No. of Members    11 Period    May.1981-Mar.1982 (10 months)								<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Total M/M</td> <td style="width: 15%;">Japan</td> <td style="width: 15%;">Field</td> </tr> <tr> <td style="text-align: center;">68.76</td> <td style="text-align: center;">13.93</td> <td style="text-align: center;">54.83</td> </tr> </table>		Total M/M	Japan	Field	68.76
Total M/M	Japan	Field											
68.76	13.93	54.83											
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER OJT to counterparts on traffic survey and data analysis.				3. PRINCIPAL SOURCE OF INFORMATION ①, ②, ③							
12. EXPENDITURE								<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Total</td> <td style="width: 15%;">217,540 (¥'000)</td> </tr> <tr> <td style="width: 15%;">Contracted</td> <td style="width: 15%;">215,452</td> </tr> </table>		Total	217,540 (¥'000)	Contracted	215,452
Total	217,540 (¥'000)												
Contracted	215,452												

和名 ダルトン・パス・トンネル計画

(F/S,D/D)

# PROJECT SUMMARY (Other)

Compiled Mar.1990  
Revised Mar.1996

ASE PHL/S 602/83

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS																
1. COUNTRY	Philippines	1. SITE OR AREA	Surrounding area of Mayor Volcano in the southeast of Luzon		1. PRESENT STATUS	<input type="checkbox"/> In Progress or In Use <input checked="" type="checkbox"/> Delayed <input type="checkbox"/> Discontinued															
2. NAME OF STUDY	Mayon Volcano Sabo and Flood Control Project (Re-Study)	2. PROJECT COST	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">(US\$1,000)</td> <td style="text-align: center;">1)</td> <td style="text-align: center;">Total Cost</td> <td style="text-align: center;">Local Cost</td> <td style="text-align: center;">Foreign Cost</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">20,190</td> <td style="text-align: center;">14,690</td> <td style="text-align: center;">5,500</td> </tr> <tr> <td style="text-align: center;">(US\$1=8P)</td> <td style="text-align: center;">2)</td> <td></td> <td></td> <td></td> </tr> </table>		(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost			20,190	14,690	5,500	(US\$1=8P)	2)				(Description) The following construction works in the southern slope proposed for the 1st stage were carried out by local fund. Quirangay River : Training Levee No.2 Anuling River : Training Levee No.2, No.3 and No.4 Pawa-Burabod River : Training Levee No.5 and No.6  Mayon Volcano erupted and the huge debris flow (10 million cu.m) occurred in 1984. OECF was requested in 1989 (16th loan) to finance the construction including the eastern slope and the emergency works, but the application was turned down.  (FY1991 Overseas Survey) No additional information.  (FY1993 Overseas Survey) Mayon Volcano Sabo and Flood Control Project (Re-Study): Plans and Programs proposed in the study have been recommended for implementation to OECF Yen credit package but OECF evaluated that it should be wait until lying dormant.  (FY1994 Domestic Survey)(FY1995 Domestic Survey) No additional information.	
(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost																	
		20,190	14,690	5,500																	
(US\$1=8P)	2)																				
3. SECTOR	Social Infrastructu/River & Erosion Control	3. CONTENTS OF MAJOR PROJECT(S)	The Government of the Philippines tried to promote the implementation of the Mayon Volcano Sabo and Flood Control Project proposed by the Master Plan Study in March 1981, but the typhoon of June 1981 seriously affected the Project Area. The present study was undertaken to review the proposals of the Master Plan Study and identified emergency measures, including a detailed design of the top priority sabo works.  1st stage Sabo works (Training levee, slur dike, consolidation dam and sobo dam) : Quirangay River, Masarawag River, Nasisi River, Anuling River (1), Anuling River (2), Budiao River, Pawa-Burabod River  1st stage Disaster Prediction and Warning System																		
4. REFERENCE NO.		4. CONDITIONS AND DEVELOPMENT IMPACTS	The implementation of this project will contribute to the protection of the people's livelihood in the region suffered from the disaster due to debris flow, so that the social stability and the better livelihood will be insured.		2. MAJOR REASONS FOR PRESENT STATUS																
5. TYPE OF STUDY	Other	5. TECHNICAL TRANSFER	(1) The lecture of sabo technology for the counterparts was held in the local office. (2) The training of sabo, hydrology, river engineering and surveying was				3. PRINCIPAL SOURCE OF INFORMATION ①, ②, ③														
6. COUNTERPART AGENCY	Dept. of Public Works and Highways (DPWH)	10. STUDY TEAM	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">No. of Members</td> <td style="text-align: center;">12</td> </tr> <tr> <td style="text-align: center;">Period</td> <td style="text-align: center;">Jun.1982-Mar.1983 (10 months)</td> </tr> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">Japan      Field</td> </tr> <tr> <td style="text-align: center;">56.63</td> <td style="text-align: center;">33.03      23.60</td> </tr> </table>		No. of Members	12			Period	Jun.1982-Mar.1983 (10 months)	Total M/M	Japan      Field	56.63	33.03      23.60	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY None						
No. of Members	12																				
Period	Jun.1982-Mar.1983 (10 months)																				
Total M/M	Japan      Field																				
56.63	33.03      23.60																				
7. OBJECTIVES OF STUDY	Sabo plan for the area of southern slope of Mayon Volcano based on the disaster due to typhoon Daling in 1981	12. EXPENDITURE	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Total</td> <td style="text-align: center;">144,352 (¥'000)</td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">138,421</td> </tr> </table>		Total	144,352 (¥'000)	Contracted	138,421													
Total	144,352 (¥'000)																				
Contracted	138,421																				
8. DATE OF S/W	1982/2																				
9. CONSULTANT(S)	Nippon Koei Co., Ltd. Sabo Technical Center																				

# PROJECT SUMMARY (F/S)

Compiled Mar.1990  
Revised Mar.1996

ASE PHIL/A 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 type="checkbox"/> Completed <input type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input checked="" type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2.NAME OF STUDY	Improvement Project of the Operation and Maintenance of National Irrigation Systems (AMRIS)	2.PROJECT COST					
3.SECTOR	Agriculture/(Agriculture in)General			1) (US\$1,000)	46,450	23,723	22,727
4.REFERENCE NO.				2) US\$1=11P in 1982			
5.TYPE OF STUDY	F/S			3)			
6.COUNTERPART AGENCY	NIA(National Irrigation Administration)	3.CONTENT OF MAJOR PROJECT(S)		The feasibility studies are composed of two projects, that is, Angat Masim area with 31,400ha, and selected 18 irrigation areas distributed in the whole country. Both projects are aiming at strengthening of operation and maintenance of the irrigation systems including NIA and water users association, and rehabilitation of the irrigation facilities.			
7.OBJECTIVES OF STUDY	AMRIS Objectives of Study: to carry our feasibility study on rehabilitation and strengthening of O & M for the national irrigation systems which were constructed by NIA.						
8.DATE OF S/W	1982/2	Imp. Period:		1984.1-1990.12			
9.CONSULTANT(S)	Sanyu Consultants Inc. Kyowa Engineering Consultants Co., Ltd.	4.FEASIBILITY AND IIS ASSUMPTIONS		Feasibility:	EIRR1)	17.53	FIRR1)
10.STUDY TEAM	No.of Members 21 Period Sep.1982-Feb.1984(17 months)			Yes	EIRR2)		FIRR2)
	Total M/M 79.05    Japan 14.11    Field 64.94				EIRR3)		FIRR3)
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	None			Conditions and Development Impacts: [Conditions] - Exchange rate 1US\$=11pesos - Project life 50 years - Replacement of pumps every 20 years. O & M equipments 10 years - Cost reduction through repair of facilities and improvement of maintenance and management function - Increase of profit by introduction of field crops [Development Impacts] - Effective use and improvement of O & M of the national irrigation systems - Increase of agricultural production - Establishment and strengthening of water users association, and effective use of water on farm level - Improvement and strengthening of O & M of NIA's O & M organization - Lift up the living standard of farm households			
12.EXPENDITURE	Total 183,882 (¥'000) Contracted 204,964	5.TECHNICAL TRANSFER		- transfer to NIA - group training			
				2.MAJOR REASONS FOR PRESENT STATUS			
				All of the public investment has been delayed due to the deterioration of the Philippine economy.			
				3.PRINCIPAL SOURCE OF INFORMATION			
				①, ②			





# PROJECT SUMMARY (F/S)

Compiled Mar. 1990  
Revised Mar. 1996

ASE PHL/A 307/83

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"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input checked="" type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY Matuno River Development Project		20,000ha in Bayombong valley in Nueva Vizcaya Province					
3. SECTOR Agriculture/(Agriculture in)General		2. PROJECT COST		Total Cost	Local Cost	Foreign Cost	
4. REFERENCE NO.		(US\$1,000)		424,067	166,015	258,052	
5. TYPE OF STUDY F/S		US\$1=240Yen in 1983		1)	2)	3)	
6. COUNTERPART AGENCY National Irrigation Authority National Power Corporation		3. CONTENTS OF MAJOR PROJECT(S)				(Description) New irrigation and hydropower development projects have been largely suspended in the Philippines due to the worsened financial position of the Government. The proposed project is among the projects which have been shelved.  (FY1993 Overseas Survey) According to CORPLAN of the National Irrigation Authority (NIA), this Project will be commenced on 2001. This Project is divided by two(2) stages, i.e. the 1st stage for irrigation development managed by NIA and the 2nd stage for hydropower development managed by the National Power Corporation (NPC). However, NIA expects that the Project will be implemented mainly for the 1st stage, and the 2nd stage seems to be impossible to realize due to the financial restrictions.  (FY1994 Domestic Survey)(FY1995 Domestic Survey) No additional information.	
7. OBJECTIVES OF STUDY Combined irrigation and hydropower development on Matuno river		First phase development Irrigation benefit area: 13,680 ha headworks: 3 sites main irrigation canal: 90 km secondary irrigation canal: 193 km main drainage canal: 90 km secondary drainage canal: 193 km Second phase development dam height: 147 m reservoir 1 site: 137 X MCM					
8. DATE OF S/W 1981/10		Imp. Period: 1984. -1996.					
9. CONSULTANT(S) Chuo Kaihatsu International Corp.		4. FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 18.50 EIRR2) EIRR3)		
10. STUDY TEAM No. of Members 17 Period Jan. 1982-Feb. 1984 (26 months)		Conditions and Development Impacts: Project impacts: 1. Increase of employment opportunities 2. Expansion of regional economy 3. Increase of resources for public investment funds 4. Saving of foreign exchange				2. MAJOR REASONS FOR PRESENT STATUS Due to the financial difficulty, it is very hard to implement to develop hydropower station. If it is only for agricultural development, the merit is too small.	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY None		5. TECHNICAL TRANSFER 1. Training in Japan 2. OJT					
12. EXPENDITURE		3. PRINCIPAL SOURCE OF INFORMATION				①, ③	
Total 302,187 (¥'000)							
Contracted 287,093							

和名 マツノ川開発計画



# PROJECT SUMMARY (M/P)

Compiled Mar. 1990  
Revised Mar. 1996

ASE PHIL/A 101/84

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS														
1. COUNTRY	Philippines	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	Nationwide Ice Plants and Cold Storages Network System	1. SITE OR AREA	Nationwide		2. PROJECT COST	(Description)													
		2. PROJECT COST	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">(US\$1,000)</td> <td style="text-align: center;">1)</td> <td style="text-align: center;">Total Cost</td> <td style="text-align: center;">Local Cost</td> <td style="text-align: center;">Foreign Cost</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">57,284</td> <td style="text-align: center;">50,761</td> <td style="text-align: center;">6,523</td> </tr> <tr> <td></td> <td style="text-align: center;">2)</td> <td></td> <td></td> <td></td> </tr> </table>				(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost			57,284	50,761	6,523		2)	
(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost															
		57,284	50,761	6,523															
	2)																		
3. SECTOR	Fisheries/Fisheries	3. CONTENTS OF MAJOR PROJECT(S)	Selected 11 zone centres and 49 prototype sites from the priority area in the Philippines and designed the facilities upon the situation of each site. Each zone has zone centre and sub-centres.		The Government of the Philippines requested in 1985 for the Engineering Service(E/S) of this program by the 13th OECF loan and the L/A (175 million yen) was signed in May 1985. The political change at the beginning of 1986 affected all projects and this project was also postponed. The project was subsequently combined with another program (Fish Transport System) which was proposed by the JICA study undertaken during 1988 - 1989, and the OECF-financed E/S was completed in 1989 by the Pacific Consultants International. The E/S selected 4 zones (Camarines Norte, Iloilo, South Cotabato and Zambanga del Sul) and one prototype (Camarines Sul) out of 11 zones and 52 prototypes in the master plan study and conducted the follow-up study and detailed design and prepared tender documents. (FY1991 Overseas Survey) Based on the E/S, the Government of the Philippines included this combined project to the application list for the 17th Yen Credit Package. The project was not approved, but the Philippine Fishery Development Authority (PFDA) plans to reapply for the 18th Yen Credit Package. The PFDA formulated a pilot project, the Integrated Fish Trading Complex, on the basis of the project and submitted its proposal for grant aid to the Japanese Government. The request was not successful. (FY1993 Overseas Survey) In 1993 PFDA packaged a project proposal based on the M/P and E/S and submitted it to the NEDA for consideration under the 19th Yen Credit Package. However, it was not favorably considered. (FY1995 Domestic Survey) No additional information.														
4. REFERENCE NO.		Major components are listed as follows:																	
5. TYPE OF STUDY	M/P	1. Basic facilities: ice making plants, ice storage, freezer, freezing room, generator and mobile ice plant. 2. Supporting facilities: ice transport vehicle/vessel, spare parts, warehouse for spare parts, workshop/equipment, management office lodging house and communication equipment. 3. Infrastructure: Land reclamation/consolidation, tube-well and other water supply facilities, electric distribution line, parking lot and access road.																	
6. COUNTERPART AGENCY	Department of Agriculture	4. CONDITIONS AND DEVELOPMENT IMPACTS																	
7. OBJECTIVES OF STUDY	To formulate a M/P for the IPCS Network System	Conditions: 1. Project life was assumed to last until 2020. 2. Discount rate was assumed to be 20%. 3. Prices based on 1984. Development Impacts: 1. Direct benefits 1) Reduction of fish spoilage. 2) Shifting the time and location of fish sales 3) Increase of fish exports 2. Indirect benefits 1) Income increase of fishermen due to upgrading of value of fish 2) Development and effective use of fisheries resources 3) Creation of employment opportunities 4) Acceleration of rural development 5) Acquisition of new techniques and organizing fishermen's association 6) Effective use of MFP																	
8. DATE OF S/W	1983/8	5. TECHNICAL TRANSFER																	
9. CONSULTANT(S)	System Science Consultants	- Acceptance of trainees - Joint work related to creation of report																	
10. STUDY TEAM	No. of Members 11 Period Nov. 1983-Mar. 1985 (17 months)	3. PRINCIPAL SOURCE OF INFORMATION																	
	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">Japan</td> <td style="text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">65.04</td> <td style="text-align: center;">15.60</td> <td style="text-align: center;">49.44</td> </tr> </table>	Total M/M	Japan	Field			65.04	15.60	49.44	2. MAJOR REASONS FOR PRESENT STATUS									
Total M/M	Japan	Field																	
65.04	15.60	49.44																	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Nil	3. PRINCIPAL SOURCE OF INFORMATION																	
12. EXPENDITURE		①, ②, ④																	
	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total</td> <td style="text-align: center;">167,813 (¥000)</td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">156,761</td> </tr> </table>	Total	167,813 (¥000)	Contracted	156,761														
Total	167,813 (¥000)																		
Contracted	156,761																		

和名 水産物流通システム整備計画

[M/P, Basic Study, Other]

# PROJECT SUMMARY (M/P)

Compiled Mar. 1988  
Revised Mar. 1996

ASE PHIL/S 105/84

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS	
1. COUNTRY	Philippines	1. SITE OR AREA	Infanta, Real, and Nakar, Quezon, Luzon Island		1. PRESENT STATUS	<input type="checkbox"/> In Progress or In Use <input checked="" type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Infanta - Real Area Urban Development Project	2. PROJECT COST	Total Cost	Local Cost	(Description) In January 1988, the scope of work (P/S) on Infanta-Famy road and urban core development was signed by JICA. The rehabilitation of the Infanta-Famy road is financed by ADB, and currently under construction.  (FY1993 Overseas Survey) Infanta-Real Area Urban Development Project:  Feasibility studies eliminate in March 1991 was a reason of the peace and order situation in the study area. In the meantime, implementation agency; Human Settlement Development Corporation, of this project close during Akino government and appointed of its function to SIDCOR; Strategic Investment Development Corporation, as of maintenance agency and LIVECOR as of new project agency conducted by former agency. MEDA Region IV is conducting project coordination for public investment related of the project and completed feasibility study of major road project and looking for financial source.  (FY1994 Domestic Survey)(FY1995 Domestic Survey) No additional information.	
3. SECTOR	Social Infrastructure/Urban Planning & Land Development	(US\$1,000)	1) 615,000			
4. REFERENCE NO.		(US\$1=20P)	2)			
5. TYPE OF STUDY	M/P	3. CONTENTS OF MAJOR PROJECT(S)				
6. COUNTERPART AGENCY	Human Settlement Development Corporation	(1) Improvement of transport conditions (2) Development of regional natural resources (fishery)				
7. OBJECTIVES OF STUDY	Master plan for the urban development in Infanta-Real area upon establishing the development strategy and target.	4. CONDITIONS AND DEVELOPMENT IMPACTS				
8. DATE OF S/W	1983/4	A master plan was undertaken for development, improvement and preservation of the study area in conjunction with the national and regional programs of the nation. In formulating the concept plan, proper urban functions were established and the kind and scale of development was reviewed taking into account the functional roles of the study area in development concept of the eastern Manila and eastern seaboard.				
9. CONSULTANT(S)	Yachiyo Engineering Co., Ltd.	5. TECHNICAL TRANSFER				
10. STUDY TEAM	No. of Members 15 Period Jul. 1983-Mar. 1985 (21 months)	(1) Acceptance of trainees: One <1> counterpart (2 months) (2) Use of Local consultant: Social, economic and financial analysis				
	Total M/M      Japan      Field 75.26          5.40          69.86	2. MAJOR REASONS FOR PRESENT STATUS				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Traffic Survey, Survey for the Utilization of Lands	3. PRINCIPAL SOURCE OF INFORMATION				
12. EXPENDITURE	Total 221,634 (¥000) Contracted 212,283	①, ③				

# PROJECT SUMMARY (F/S)

Compiled Mar.1990  
Revised Mar.1996

ASE PH/A 310/84

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"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input checked="" type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY Gumain River Irrigation Project		Southwestern Pampanga river basin, Pampanga Province, Central Luzon					
3. SECTOR Agriculture/(Agriculture in)General		2. PROJECT COST		Total Cost	Local Cost	Foreign Cost	
4. REFERENCE NO.		(US\$1,000)	1)	197,714	80,928	116,786	
5. TYPE OF STUDY F/S		US\$1=14P	2)				
6. COUNTERPART AGENCY National Irrigation Administration		3)	3. CONTENTS OF MAJOR PROJECT(S)				
7. OBJECTIVES OF STUDY Feasibility study for Gumain River Basin Irrigation and drainage project		1. Irrigation area:		16,750 ha			
8. DATE OF S/W 1983/2		2. Gumain dam:		Rockfill			
9. CONSULTANT(S) Nippon Koei Co., Ltd. Nippon Giken Inc.		3. Intake weir:		(Type) 1 (crest length) 43.5m (Height) 108.0m (proposed) 1 (rehabilitation) 3			
10. STUDY TEAM No. of Members 15 Period Jul. 1983-Feb. 1985 (20 months)		4. Head race:		13.6 km			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY Topographic mapping		5. Irrigation canal		(main) 28.8 km (Branch) 169.6 km			
12. EXPENDITURE		4. FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 12.80 EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)	
Total 267,250 (¥000)		Conditions and Development Impacts:		Conditions: Project benefits are estimated based on the difference in net agricultural product between with and without the project. Because a large part of the proposed area is not used for agricultural products, negative externalities of the dam construction (e.g. submerged area) are not considered.			
Contracted 258,015		5. TECHNICAL TRANSFER		Development impacts: Increase in agricultural products, food supply, income level in the agricultural sector, and land productivity, etc.			
		Imp. Period: 1986.1-1992.12				2. MAJOR REASONS FOR PRESENT STATUS (FY 1992 Overseas Survey) Damage caused by the eruption of Mt. Pinatubo.	
		(FY1991 Overseas Survey) No financial arrangement is expected. After performing a re-study, the Government of the Philippines suspended the project implementation.  (FY1991 Overseas Survey) Since the Project site has been badly affected by LAHAR caused by the eruption of Mt. Pinatubo, and there are no possibility to be financed, National Irrigation Administration (NIA) is considering to suspend this Project due to the difficulties to realize and implement. For example, existing Gumain Dam ws almost filled up by a four(4) meter rise of river bed and destroyed. A big amount of piled silt and fine grained sand are flowed down with flood from the upper stream, and resulted a raise of river bed, erosion of riverbanks and meandering to fill up existing facilities for irrigation and farmland continuously. NIA considers that it would be better to wait until the settlement of the effect of LAHAR and the stabilization of the river flow, without any action.  (FY1994 Domestic Survey) The Project implementation has been suspended due to the eruption of Mt. Pinatubo.  (FY1995 Domestic Survey) At present on Aug., 1995, no action has been taken by the Philippines side.					
						3. PRINCIPAL SOURCE OF INFORMATION ①, ②, ③	

# PROJECT SUMMARY (F/S)

Compiled Mar.1988  
Revised Mar.1996

ASE PHL/S 315/84

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT		
1. COUNTRY	Philippines	1. SITE OR AREA				I. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled	
2. NAME OF STUDY	Development Project on the Meteorological Telecommunication System	Covering the whole country						
3. SECTOR	Transportation/Meteorology & Seismology	2. PROJECT COST		Total Cost	Local Cost	Foreign Cost		
4. REFERENCE NO.		(US\$1,000)	1)	18,626	2,206	16,420		
5. TYPE OF STUDY	F/S	(US\$1=238Yen)	2)					
6. COUNTERPART AGENCY	Philippine Atmospheric Geophysical and Astronomical Services Adm. Ministry of Defence (at F/S time)	3)	3. CONTENTS OF MAJOR PROJECT(S)					
7. OBJECTIVES OF STUDY	Establishment of Meteorological Telecommunication System	- Telecom. facilities (1) Main Trunk Line: About 950km between Luzon, Island and Mindanao Island (2) Branch Lines: Lines connecting each station  - OH transmitter/receiver, VHF and HF transmitter/receiver, Facsimile, Minicomputer etc. - Standby power supply. - Buildings and antenna of each relay station, access-road Meteorological observation facilities.				(Description) The project is under implementation with OECF financing.  Jan.1988    OECF E/S loan agreement (308 million yen) Sep.1989    D/D completed Feb.1990    OECF loan agreement (4,985 million yen)  (FY1993 Overseas Survey) Jul.1990 - Dec.    Additional D/D Jun.1992    Construction started. Aug.1994    Scheduled to be completed Aug.1995    O&M Guidance Serviced to end.  (FY1994 Domestic Survey) Based on the results of F/S, the detailed design (E/S) works were completed in September,1989. And the construction works were commenced in June,1992, and the construction works were scheduled to be finished in late August,1994. However, the construction of one weather radar station building has been delayed, the construction of which is the responsibility of Philippine Atmospheric, Geophysical and Astronomical Services Adm., so that the overall construction of the project is delayed, and will be completed in the middle of December 1994. At present, the related construction works are going on smoothly towards the completion of the project.  (FY1995 Domestic Survey) Mar., 1995    Construction of the main portion was completed. Apr., 1995    Implementation of O&M Guidance. (upto Mar., 1996)		
8. DATE OF SAW	1982/11	Imp. Period:		1988.9-1995.2				
9. CONSULTANT(S)	Japan Weather Association	4. FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 51.90		FIRR1)	
10. STUDY TEAM	No. of Members 13 Period Aug.1983-Sep.1984(14 months)			EIRR2)	FIRR2)			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	None			EIRR3)	FIRR3)			
12. EXPENDITURE	Total 261,238 (¥000) Contracted 209,692			Conditions and Development Impacts: Conditions - Benefits are calculated on the condition that rate of natural disaster decrease is 5%. - Completion of the Project is in 1995. - Eight years is required for acquisition of technological knowledge by the staff concerned. - Replacement of the equipment to be made every 10 years.  Development Impacts - Mitigation of meteorological disasters - Improvement of the safe operation of aircrafts and ships - Improvement of the agricultural production development of related sectors (tourism, commerce, industry, etc.)				
		5. TECHNICAL TRANSFER					2. MAJOR REASONS FOR PRESENT STATUS	
		Technical guidance relating to telecommunication, data exchange system and observation system has been given to two (2) F/S counterpart officials.					(1) Greatness of project impact - Mitigation of meteorological disasters - Economic impacts resulting from mitigation of transportation disasters (2) High priority of the project	
							3. PRINCIPAL SOURCE OF INFORMATION	
							①, ②, ④	

# PROJECT SUMMARY (F/S)

Compiled Mar. 1988

Revised Mar. 1996

ASE PHIL/S 316/84

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Philippines	1. SITE OR AREA				I. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Philippine Road Disaster Prevention Project	1) San Jose - Aritao (Northern Luzon) 2) Mahaplag - Sogod (Leyte) 3) Rosario - Baguio (Northern Luzon)	Total Cost	Local Cost	Foreign Cost	(Description) (FY1992 Overseas Survey) After the construction of the Pan-Philippine Highway started in 1969, the pavement has deteriorated and numerous bridges also have shown signs of wear and tear. Disaster spots are found especially along mountainous sections of the Highway. The progress of the construction to rectify the deficiencies is as follows. 1. Dalton Pass (78km) May 1988 OECF loan (PH-P93) L/A signed (Special Rehabilitation 14,000 million yen) Project: Rehabilitation of Laoag - Allacapan Allacapan - Aritao - Sta. Rita, and Calamba - Calauag Sections. Feb. 1990 - May 1991 Detailed design (Pavement, Bridge, drainage & disaster prevention) on the Aritao - Santa Rita Section (200km) completed (Katahira & Engineers) Total investment 1,017.3 million pesos (OECF 835.5 million, GOP 181.8 million) Jun. 1991 Construction commenced (scheduled to be completed in Jan. 1996) 2. Mahaplag - Sogod (37km) No funding has been secured. 3. Kennon Road (34km) Jan. 1988 OECF loan (PH-P77) L/A signed (Kennon Road Disaster Prevention 2,254 million yen) Jul. 1989 - Feb. 1991 Detailed design (Pavement, Bridges, drainage & disaster prevention) completed (Nippon Kcei). Because of the 1990 earthquake, the loan was cancelled. GOP has requested Japanese finance for an alternative road.  (FY1993 Overseas Survey) Dalton Pass (Sta. Rita-Aritao) Scheduled to be completed in April 1996.  (FY1994 Domestic Survey) Dalton Pass Section Rehabilitation works for this Section (PH-P93) is scheduled to be completed in June 1996. Engineering services for Alternative Route of Dalton Pass Section are proposed and financial assistance under the 20th OECF loan Package is requested by the Government of the Philippines.  (FY1995 Domestic Survey) Dalton Pass Section: The rehabilitation works for Santa Rita-Aritao section including	
3. SECTOR	Transportation/Road	2. PROJECT COST	1) 26,300	10,200	16,100		
4. REFERENCE NO.		(US\$1,000)	2)				
5. TYPE OF STUDY	F/S	(US\$1=234.3 Yen)	3)				
6. COUNTERPART AGENCY	Ministry of Public Works and Highwa	3. CONTENTS OF MAJOR PROJECT(S)	Protection of Shoulder slope: 1) Dalton Pass Section 77 km 2) Mahaplag - Sogod 37 km 3) Kennon Road 34 km Total 148 km - Surface drain - Subsurface drain - Re-cutting - Slope protection - Structural Work - Sabo Dam  Note) Large scale riparian and Sabo works were excluded.				
7. OBJECTIVES OF STUDY	Formulation of disaster prevention measures for 3 selected sections of national highways	4. FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 18.40 EIRR2) 14.40 EIRR3) 16.60	FIRR1) FIRR2) FIRR3)		
8. DATE OF SAW	1983/2	Imp. Period:	1987.7-1990.6				
9. CONSULTANT(S)	Nippon Engineering Consultants Co., Ltd. Katahira & Engineers International	Conditions and Development Impacts:	Conditions: (1) Traffic projections for 1990, 2000 and 2010 are estimated. (2) Traffic stoppage due to road disasters are 16 days/year for Dalton Pass, 60 days for Mahaplag, and 18 days for Kennon.  Development impacts: (1) Better access to isolated areas. (2) Recovery of road reliability. (3) Stimulation of private investments. (4) Saving of rehabilitation costs.  Note) The above EIRRs indicate 1) Dalton Pass Section, 2) Mahaplag-Sogod, 3) Kennon Road.				
10. STUDY TEAM	No. of Members 8 Period May. 1983-Jun. 1984 (13 months)	5. TECHNICAL TRANSFER	OJT and JICA training program for counterparts			2. MAJOR REASONS FOR PRESENT STATUS	
	Total M/M      Japan      Field 55.86      1.75      54.11					- large impact - high priority	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Geological and topographic surveys					3. PRINCIPAL SOURCE OF INFORMATION	
12. EXPENDITURE	Total      181,268 (¥'000) Contracted      160,257					①, ②, ③, ④	



## 状況 (要約表添付文書)

ASE PHL/S 316/84	(F/S)
Name of Philippine Road Disaster Prevention Project Study	
Country	Philippines
Type of Study	F/S
Sector	Transportation/Road
Present Status: Implementing	
<b>(Description)</b>	
<p>(FY1992 Overseas Survey)            After the construction of the Pan-Philippine Highway started in 1969, the pavement has deteriorated and numerous bridges also have shown signs of wear and tear. Disaster spots are found especially along mountainous sections of the Highway. The progress of the construction to rectify the deficiencies is as follows.</p> <p>1. Dalton Pass(78km)            May 1988 OECF loan (Ph-P93) L/A signed (Special Rehabilitation 14,003 million yen)            Project: Rehabilitation of Laoag - Allacapan Allacapan - Aritao - Sta. Rita, and Calamba - Calauag Sections.            Feb.1990 - May 1991 Detailed design(Pavement, Bridge, drainage &amp; disaster prevention)on the Aritao - Santa Rita Section(200km) completed (Katahira &amp; Engineers)            Total investment 1,017.3 million pesos (OECF835.5 million, GOP181.8 million)            Jun.1991 Construction commenced (scheduled to be completed in Jan.1996)</p> <p>2. Mahaplag - Sogod(37km) No funding has been secured.            3. Kennon Road(34km)            Jan.1988 OECF loan (Ph-P77) L/A signed (Kennon Road Disaster Prevention 2,254 million yen)            Jul.1989 - Feb.1991 Detailed design(Pavement, Bridges, drainage &amp; disaster prevention)completed (Nippon Koei). Because of the 1990 earthquake, the loan was cancelled. GOP has requested Japanese finance for an alternative road.</p> <p>(FY1993 Overseas Survey)            Dalton Pass (Sta. Rita-Aritao)            Scheduled to be completed in April 1996.</p> <p>(FY1994 Domestic Survey)            Dalton Pass Section            Rehabilitation works for this Section (PH-P93) is scheduled to be completed in June 1996. Engineering services for Alternative Route of Dalton Pass Section are proposed and financial assistance under the 20th OECF loan Package is requested by the Government of the Philippines.</p> <p>(FY1995 Domestic Survey)            Dalton Pass Section :            The rehabilitation works for Santa Rita-Aritao section including Dalton Pass section is going to complete on Nov., 1996. Detailed Design of the detour route for above-mentioned section is already signed for Loan Agreement as for a project of 20th OECF Loan on 30th Aug., 1995 and expected to commence the implementation early in 1996.            Mahaplag-Sogod Section :            Repairment works for Tacloban-Liloan Section including Mahaplag - Sogod Section will be requested to the Government of Japan as for a project of 21st OECF Loan.</p>	

# PROJECT SUMMARY (F/S)

Compiled Mar.1988  
Revised Mar.1996

ASE PHL/S 314/84

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT		
1.COUNTRY	Philippines	1.SITE OR AREA				I.PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input checked="" type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Discontinued or Cancelled	
2.NAME OF STUDY	Development Project of the Port of San Fernando	Northern Luzon (Region I)						
3.SECTOR	Transportation/Port	2.PROJECT COST		Total Cost	Local Cost	Foreign Cost		
4.REFERENCE NO.		(US\$1,000)	1)	18,398	7,346	11,052		
5.TYPE OF STUDY	F/S	(US\$1=14P)	2)					
6.COUNTERPART AGENCY	Philippine Ports Authority	3)	3.CONTENTS OF MAJOR PROJECT(S)					
7.OBJECTIVES OF STUDY	Preparation of Master Plan (Target year 2000) and Short-term Development Plan (Target year 1990).	Wharf (Pier -10 - -14m)                    900m Dredging                                    4,500sq.m Transit Sheds                                32,000sq.m Open Storage Yard                         12,000sq.m Roads                                         12,000sq.m				(Description) The project was suspended after completion of F/S. Jul. 1990 Port facilities were damaged by the earthquake Aug. 1990 Construction of Pier 2 was started with own funds according to the result of JICA study Feb. 1991 Construction of Pier 1 was started with own funds (FY1991 Overseas Survey) The project is likely to be revived when the financing constraints are eased, but there is no prospect of securing funds. (FY1993 Overseas Survey) The Port Project has not been updated yet after JICA study. (FY1994 Domestic Survey)(FY1995 Domestic Survey) No additional information.		
8.DATE OF SAW	1982/10	Imp. Period: 1987.1-1989.12						
9.CONSULTANT(S)	Overseas Coastal Area Development Institute	4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 22.90 EIRR2) EIRR3)			FIRR1) 4.10 FIRR2) FIRR3)
10.STUDY TEAM	No. of Members 9 Period Feb.1983-Mar.1984(14 months)	Conditions and Development Impacts: Estimated cargo volume in 1990 and 2000 are: 1990                    1,900 thousand tonnes 2000                    3,700 thousand tonnes The development of this promotes the port activities and contributes to the regional development in and around Region I, as there is no large scale port in this region.						
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.TECHNICAL TRANSFER				2.MAJOR REASONS FOR PRESENT STATUS		
Natural Conditions Survey		Counterpart training for method of feasibility study to two counterparts						
12.EXPENDITURE						3.PRINCIPAL SOURCE OF INFORMATION		
Total                    128,037 (¥'000)								
Contracted            129,003						①, ②		

和名 サンフェルナンド港整備計画

{F/S,D/D}

# PROJECT SUMMARY (M/P)

Compiled Mar.1988  
Revised Mar.1996

ASE PHL/S 106/85

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS								
1.COUNTRY	Philippines	1.SITE OR AREA			I.PRESENT STATUS	<input type="checkbox"/> In Progress or In Use <input checked="" type="checkbox"/> Delayed <input type="checkbox"/> Discontinued							
2.NAME OF STUDY	Panay River Basin-Wide Flood Control	2.PROJECT COST	Total Cost	Local Cost	Foreign Cost	(Description) The feasibility study of the priority projects selected by the Master Plan Study has been delayed because its priority in the central government is not very high. However, necessity of the flood control component in particular is recognized by local people and the projects are believed to enhance vital economic activities in the region. Further, imbalance of the development within Visayas increased due to the recent acceleration of investment in Cebu. Therefore, the priority projects in Panay Island are considered as one of the key components in the region-wide development plan.  (FY1991 Overseas Survey) The Terms of Reference for a JICA study was submitted to NEDA and JICA for possible technical assistance. The project was included in the Medium-term Public Investment Program (MIPIP) and the Medium-term Technical Assistance Program.  (FY1993 Overseas Survey) Panay River Basin-Wide Flood Control: Recommendations to the Regional Development Council have been made for the pursuance of the detailed design of the project. The Terms of Reference for a JICA study was submitted to NEDA and JICA for possible technical assistance. The project was included in  (FY1994 Domestic Survey) No further progress is informed for this Project.  (FY1995 Domestic Survey) No additional information.							
3.SECTOR	Social Infrastructure/River & Erosion Control	(US\$1,000)	1) 323,000	195,000	128,000								
4.REFERENCE NO.		(US\$1=234Yen)	2)										
5.TYPE OF STUDY	M/P	3.CONTENTS OF MAJOR PROJECT(S)											
6.COUNTERPART AGENCY	Dept. of Public Works and Highways (DPWH)	(1) Flood control project: a. Improvement and enlargement of bankful 150km of floodways and river structures; b. Constructions of polder dikes at 7 towns/villages; c. Construction of a multipurpose dam (Panay B dam); d. Establishment of appropriate guidelines for flood plain management in areas vulnerable to floods of about 140 sq.km. in total and relocation of housing in these areas. (2) Irrigation projects: a. Development of 3,250ha by irrigation in Panitan-Panay area; b. Rehabilitation of irrigation facilities and expansion of arable areas in Mambusao to 2,145ha. (3) Water supply project: a. Supply of uncontaminated water from Panay river to Roxas City and increase the existing supply capacity by 7,450 cu.m. (4) Hydropower generation project: a. Construction of the Panay B power station with an installed capacity of 7,100 kW and an annual energy output of 31.4 Gwh.  * Above project costs are in 1984 prices.											
7.OBJECTIVES OF STUDY	Flood control	4.CONDITIONS AND DEVELOPMENT IMPACTS											
8.DATE OF S/W	1982/12	Flood control plan can protect 340 sq.km in the basin which is equivalent of 1/4 of the area of potentially usable land, and 15% of the basin catchment area. Not only by flood control but also by irrigation and municipal and industrial water supply, integrated land use in the basin will be promoted in the future. Although this project has a smaller economic impact than the present guideline of the Philippines(EIRR 15%), it is important to implement this project for rural economy as well as for flood control.											
9.CONSULTANT(S)	Nippon Koei Co., Ltd.	10.STUDY TEAM											
		No.of Members 18 Period Feb.1983-Nov.1985 (33 months)											
		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Total M/M</td> <td style="width: 30%;">Japan</td> <td style="width: 30%;">Field</td> <td></td> </tr> <tr> <td style="text-align: center;">89.92</td> <td style="text-align: center;">21.65</td> <td style="text-align: center;">68.29</td> <td></td> </tr> </table>			Total M/M		Japan	Field		89.92	21.65	68.29	
Total M/M	Japan	Field											
89.92	21.65	68.29											
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.TECHNICAL TRANSFER											
None		(1) OJT: A seminar was held after the draft final report was submitted. (2) Trainee: Two trainees visited Japan. (3) Working with counterparts was conducted.											
12.EXPENDITURE		3.PRINCIPAL SOURCE OF INFORMATION											
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Total</td> <td style="width: 30%;">414,927 (¥'000)</td> <td colspan="2"></td> </tr> <tr> <td>Contracted</td> <td>241,418</td> <td colspan="2"></td> </tr> </table>		Total	414,927 (¥'000)			Contracted	241,418			①, ②, ③			
Total	414,927 (¥'000)												
Contracted	241,418												
					2.MAJOR REASONS FOR PRESENT STATUS								

和名 パナイ河流域洪水防脚基本計画

{M/P, Basic Study, Other}

# PROJECT SUMMARY (M/P)

Compiled Mar.1988  
Revised Mar.1996

ASE PH/S 107/85

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS		
1.COUNTRY	Philippines	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	Metro Manila Transportation Planning	Metro Manila					
3.SECTOR	Transportation/Urban Transportation	2.PROJECT COST	Total Cost	Local Cost	Foreign Cost	(Description) 1) The database prepared by the study has been intensively used by DOTC, DPWH and Transport Training Center. The database has not been adequately updated, although the manuals were prepared. 2) The public transport route management system based on PC has been officially introduced to DOTC's planning administration system. The system is being utilized but the inadequate database updating affects the quality of planning. 3) Rerouting plans were partly implemented during the study period. Rerouting of jeepneys along the LRT corridor was not wholly implemented due to political reasons. However, the proposed integration of bus/jeepney routes was implemented and the official updated route list was prepared. 4) Development plans for the mode interchange areas have not been properly followed up by the government. However, in response to recent rises in land price and improved opportunities for urban development, the plans are being reviewed to revive the possibility of implementing the recommendations.  (FY1993 Overseas Survey) In 1991, the DOTC has proposed the updating of the database prepared under the study through the Metro Manila Urban Transport Integration Study (MMUTIS), also for JICA assistance. It has not been selected as it is tied up with the IBRD-assisted Urban Transport Development Project (UTDP), which the DOTC has to complete.  (FY1994 Domestic Survey) Due to worsening traffic situation as well as movement of various transport infrastructure projects and plans such as expansion of the LRT system, urban expressways etc, the updated comprehensive urban transportation plan and effective transportation policy becomes more essential. DOTC has decided again in 1993 and 1994 to request JICA the conduct of the MMUTIS. The UTDP under world Bank had only been insufficiently completed and expected results were not obtained.  (FY1995 Domestic Survey) It has been requested as for a new development survey project from the viewpoints of renew the database and revision of measures for traffic problems.	
4.REFERENCE NO.		(US\$1,000)	1) 40,212				
5.TYPE OF STUDY	M/P	2) )					
6.COUNTERPART AGENCY	Ministry of Transportation and Communications	3.CONTENTS OF MAJOR PROJECT(S)					
7.OBJECTIVES OF STUDY	Transportation rerouting plan Transportation development policy	1)A detailed bus/jeepney rerouting plan for the area served by LRT Line 1, and related plans of detailed traffic management, road and public transport facilities. 2)A bus/jeepney route management system and improved traffic management plans for bus/jeepney terminal areas in Metro Manila. 3)Development plans for five mode interchange areas: a)Divisoria(large-scale transport/commercial/cultural facilities complex for LRT, bus/jeepney); b)Recto(large-scale transport/commercial/cultural facilities complex for LRT Lines 1 and 2, bus/jeepney); c)Cubao(large-scale transport/commercial/business complex for LRT Line 2, bus/jeepney); d)C3/Quezon Avenue(large-scale transport/commercial complex for bus/jeepney); e)Novaliches(small-scale transport/commercial facility development in suburbs for bus/jeepney/tricycle) 4)Transport database management methods and system.					
8.DATE OF SAV	1982/7	4.CONDITIONS AND DEVELOPMENT IMPACTS					
9.CONSULTANT(S)	ALMEC Corporation	(1) Rerouting Conditions: Strengthening of bus/jeepney route management capabilities of related government agencies; Development of public transport facilities to lead bus/jeepney operators. Effects: Rationalized public transport operation by functional split of the LRT/bus/jeepney; Effective utilization of available road space and facilities (2) Mode Interchange Area Development Conditions: Government financial support or incentives for transport terminal development; Adjustment of land rights and acquisition in the builtup area Effects: Effective land use in the mode interchange areas; Increased transport services by the improved traffic flow, convenience, safety, etc. (3) Transport Database Management Method Conditions: Commitment of relevant agencies; Periodic database updating system Effects: Improved efficiency in planning and administration					
10.STUDY TEAM	No.of Members 15 Period Oct.1982-Mar.1984(31 months) Jun.1984-Sep.1985 Total M/M Japan Field 158.68 13.56 145.12						
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	transport surveys and systems analysis	5. TECHNICAL TRANSFER					
12.EXPENDITURE	Total 490,159 (¥000) Contracted 468,192	1)OJT: A series of seminars on the use of PCs for transportation planning; 2)Counterpart training(two); 3)Employment of local consultants(cost estimate and systems analysis); 4)Donation of PCs & softwares					
		2.MAJOR REASONS FOR PRESENT STATUS			3.PRINCIPAL SOURCE OF INFORMATION ①, ②		
		1)Jeepneys, unlike buses, are proven difficult for local authorities to manage, and the data collected during the study is now outdated. An attempt to strengthen route management was largely unsuccessful. 2)Mode interchange areas are already builtup areas with higher land price. The private sector is reluctant to develop unprofitable transport terminals and does not have the know-how to increase the value added of such development by integrating with commercial/business facilities development. The government lacks administrative					

和名 マニラ首都圏都市交通計画 (フェーズおよびII)

(M/P, Basic Study, Other)

# PROJECT SUMMARY (M/P+F/S)

Compiled Mar.1988  
Revised Mar.1996

ASE PHL/S 203B/85

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT						
1.COUNTRY	Philippines	1.SITE OR AREA				I.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input checked="" type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled					
2.NAME OF STUDY Development Project on the Port of Batangas		South-west Luzon										
3.SECTOR Transportation/Port		2.PROJECT COST (US\$1,000)		M/P 1) 76,316 Local Cost 2) Foreign Cost F/S 1) 13,631    5,684 2) 7,947 3)		(Description)  Jan.1988 OECF E/S loan agreement (190 million yen) 1990 D/D completed Jul.1991 OECF loan agreement (5,788 million yen)  OECF financing: 1) Construction of wharves (22 berths) 2) Construction of breakwaters 3) Dredging and reclamation  (FY1993 Overseas Survey) Apr.1994 - Dec.1997 Phase I construction scheduled.  The squatter problem may cause the project to delay. The CALABARZON Integrated Regional Development Program includes this project as one of its infrastructure components.  (FY1994 Domestic Survey) The commencement of construction works has been delayed due to the squat.  (FY1995 Domestic Survey) No additional information.						
4.REFERENCE NO.		3.CONTENTS OF MAJOR PROJECT(S)										
5.TYPE OF STUDY M/P+F/S		<M/P> Construction of 13 berths, in addition to the existing 4 berths.  Foreign trade: 2 berths(15,000DWT), 1 berth(30,000 DWT) Domestic trade: for Ro-Ro: 4 berths(700 DWT) for conventional domestic vessels: 6 berths for ferry: existing 4 berths  Wharf                    1,570 m Dredging                1,414 thousand cu.m Land reclamation       731 thousand cu.m Road                     142 thousand sq.m <F/S>11 berths in total are planned as follows:  Domestic Trade: for Ro-Ro                    3 berths for miscellaneous                    3 berths for ferry                                    4 berths  Wharf    (-10m)    185 m (-5m)     105 m (-5m,Pier) 105 m (-4.5m)    155 m Dredging                    430,000 cu.m										
6.COUNTERPART AGENCY Philippine Port Authority		Imp. Period: 1986.6-1989.12										
7.OBJECTIVES OF STUDY Preparation of Master Plan (target year 2000) and short-term development plan (target year 1990)		4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility:    EIRR1) 35.00    FIRR1) 0.50 Yes                EIRR2)            FIRR2) EIRR3)            FIRR3)								
8.DATE OF S/W 1984/6		Conditions and Development Impacts: <M/P><Conditions> The amount of cargo in the year of 2000 is estimated to be 3,063,000 tons, comprising 10,970,000 tons for Ro-Ro and ferries, 5,780,000 ton for foreign trade, and 13,880,000 tons for domestic trade. <Impacts> Batangas city is located approximately 100km south of Metro Manila. Economy of Batangas area including Batangas city is expected to grow accompany with the progress of Metro Manila. <F/S><Conditions> The estimated amount of port handling vargo in 1990 is estimated to be 8,710,000 tons. The item of 1)-3) of Development Impact was calculated as the benefit. All revenue and expenses are calculated at constant 1984 prices. <Impact> 1) The incremental valued added arising from cargo transportation. 2) The reduction of transportation costs between Batangas and Calapan. 3) The saving of berth waiting costs.										
9.CONSULTANT(S) Overseas Coastal Area Development Institute							10.STUDY TEAM		2.MAJOR REASONS FOR PRESENT STATUS			
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY Sounding survey, Shoreline survey, Geographical survey, Soil explorations		No.of Members    10 Period    Sep.1984-Dec.1985 (16 months)  <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Total M/M</td> <td style="width: 33%;">Japan</td> <td style="width: 33%;">Field</td> </tr> <tr> <td style="text-align: center;">76.49</td> <td style="text-align: center;">44.50</td> <td style="text-align: center;">31.99</td> </tr> </table>		Total M/M	Japan		Field	76.49	44.50	31.99	3.PRINCIPAL SOURCE OF INFORMATION ①, ②, ④	
Total M/M	Japan	Field										
76.49	44.50	31.99										
12.EXPENDITURE		5.technical transfer										
Total                    181,400 (¥000) Contracted            178,642		Counterpart training(3 persons) - Feasibility study method - Field survey of ports similar to Batangas port										

和名 バタンガス港整備計画

(M/P+F/S)

# PROJECT SUMMARY (F/S)

Compiled Mar. 1990  
Revised Mar. 1996

ASE PHIL/A 312/85

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Philippines	1. SITE OR AREA	Warig River Basin of Bohol Islands Irrigation area 5,300ha, Drainage area 12,700ha			1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Bohol Irrigation Development Project (Phase II)	2. PROJECT COST	Total Cost	Local Cost	Foreign Cost	(Description) The implementation of the proposed project was delayed. Part of the project area (Capayas 750ha) is being developed by the Japanese grant. Jul. 1990    E/N signed (1,433 million yen) for the construction of a diversion weir, irrigation and drainage canals and on-farm facilities. Aug. 1991    E/N signed (234 million yen) (FY1991 Overseas Survey) The project scale was reduced for implementation. The delayed construction of Bohol (I) is affecting the implementation of this Bohol (II) which will utilize the excess water from Bohol (I). (FY1993 Overseas Survey) The construction works of reservoirs and irrigation facilities for Capayas Area (with a beneficial area of 750ha), a part of this Project, adopted by the Japanese Government as for a Grant Aid Project under the name of "Capayas Irrigation Project" during fiscal year of 1990/91, and completed in March, 1992. At present, NIA plans to promote to arrange various on-farm facilities of the Project. Dams and Irrigation facilities constructed by the Project are administrated by the Provincial Irrigation Office (PIO) and Irrigators Association (IA), respectively. The number of beneficial peasants will be 375. Except Capayas, development works for the other beneficial are (4,550ha) is planned on the period from 1995 to 2001 in CORPLAN of NIA. After the completion of construction works of Bohol Irrigation Project (I), the irrigating area is expected to expand by means of the usage of surplus water produced by the Project (I) and the water from the basins of our own. Therefore, the construction works of the Project (I) is carrying out prior to this project. (FY1994 Domestic Survey) Construction of the Phase-I is planned to complete on Dec. 1995 (FY1995 Domestic Survey) As NIA wishes to implement this project by the 21st Yen Credit, the request is now preparing.	
3. SECTOR	Agriculture/(Agriculture in)General		1) 36,555	14,333	22,222		
4. REFERENCE NO.			2) US\$1=18P				
5. TYPE OF STUDY	F/S	3. CONTENTS OF MAJOR PROJECT(S)	3)				
6. COUNTERPART AGENCY	National Irrigation Authority	1) Water Resources Development of Warig River and other rivers in the area. 2) Arrangement of irrigation, drainage, farm roads and other on-farm facilities. 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					
7. OBJECTIVES OF STUDY	Agricultural development plan with irrigation facilities	Imp. Period: 1987.1-1991.12					
8. DATE OF SAV	1984/2	4. FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 15.40 EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)		
9. CONSULTANT(S)	Sanyu Consultants Inc. Nihon Suido Consultants Co., Ltd. Naigai Engineering Co., Ltd. Aero Asahi Cor.	Conditions and Development Impacts: 1) Improvement of Living Standard of Regional Farmers. 2) Supply of Drinking Water (3.9 l/s or 366 m <sup>3</sup> /day). 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.					
10. STUDY TEAM	No. of Members 12 Period Dec. 1984-Feb. 1985 (20 months)	5. TECHNICAL TRANSFER					
	Total M/M          Japan          Field 51.13                  19.10          32.03						
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	None	To the counterpart in the process of implementation.					
12. EXPENDITURE	Total 197,006 (¥'000) Contracted 189,602						
		2. MAJOR REASONS FOR PRESENT STATUS					
		3. PRINCIPAL SOURCE OF INFORMATION					
		①, ②, ③					

# PROJECT SUMMARY (F/S)

Compiled Mar.1990  
Revised Mar.1996

ASE PHL/A 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"/> Partially Completed <input checked="" type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Discontinued or Cancelled	
2.NAME OF STUDY Asue River Basin Agricultural Development Project		2.PROJECT COST		Total Cost	Local Cost			Foreign Cost
		(US\$1,000)	1)	38,470	16,927	21,543		
			2)	72,813	40,408	32,405		
			3)					
3.SECTOR Agriculture/(Agriculture in)General		3.CONTENTS OF MAJOR PROJECT(S)				(Description) Some F/S on the irrigation development in the Philippines have implemented other than this project, however they have not been realized because of the deterioration of domestic financial situation. NIA has been hoping to implement this project but the realization has not yet been put into any shape. (FY1991 Overseas Survey) The Government of the Philippines has no plan to obtain finance for the project. (FY1993 Overseas Survey) According to CORPLAN of NIA, this project is expected to be implemented from 1999 to 2005, however, the realization cannot be put into any shape without the improvement of national financial situation same as the other irrigation development projects. It is expected that this project will contribute to activate the agriculture in Panay Island with the production increase of rice, vegetables and others if this Project can be realized. The Gov't of Philippines is eager to implement this Project because one of the priority policies is to smooth out the regional differentials as announced on the Mid-Term Development Plan. (FY1994 Domestic Survey) No information. (FY1995 Domestic Survey) This project is given lower priority among the projects included in the Long Term List of NIA at this moment. Accordingly, the possibility of implementation seems to be very low.		
4.REFERENCE NO.		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. The Cost 1) above is based on the effective exchange rate as of Oct. 1984, and the Cost 2) includes price changes.						
5.TYPE OF STUDY		F/S						
6.COUNTERPART AGENCY National Irrigation Authority								
7.OBJECTIVES OF STUDY Integrated rural development in Asue River and adjoining basin including investigation from the viewpoints of technological and economical adequacy.								
8.DATE OF SAW		1983/1		Imp. Period: 1988. -1990.    1991. -1995.				
9.CONSULTANT(S) Chuo Kaihatsu International Corp. Sanyu Consultants Inc. Tamano Consultants Co., Ltd.		4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 13.20 EIRR2) EIRR3)	FIRR1) 9.70 FIRR2) FIRR3)		
10.STUDY TEAM		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. Improvement of farmer incentive to participate in project through irrigation facility O/M groups						
No. of Members 12 Period May.1984-Aug.1985(16 months)								
Total M/M		Japan		Field		2.MAJOR REASONS FOR PRESENT STATUS  (FY 1992 Overseas Survey) Economic and political circumstances.		
70.43		31.26		39.17				
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY None								
12.EXPENDITURE		5.TECHNICAL TRANSFER						
Total		Training in Japan						
225,492 (¥'000)								
Contracted								
210,094								
		3.PRINCIPAL SOURCE OF INFORMATION						
		①, ②, ③						

# PROJECT SUMMARY (F/S)

Compiled Mar.1988  
Revised Mar.1996

ASE PHIL/S 318/85

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"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Philippine Road Disaster Prevention Project, Stage II	1) Lucena - Calawag (N. Luzon)    2) Allen - Calbayog (Samar) 3) Bauang - Baguio (N. Luzon)					
3. SECTOR	Transportation/Road	2. PROJECT COST		Total Cost	Local Cost	Foreign Cost	
4. REFERENCE NO.		(US\$1,000)	1)	3,725	1,438	2,287	
5. TYPE OF STUDY	F/S	(US\$1=236.4 Yen)	2)				
6. COUNTERPART AGENCY	Ministry of Public Works and Highways	3)	3. CONTENTS OF MAJOR PROJECT(S)				
7. OBJECTIVES OF STUDY	Formulation of disaster prevention measures for 3 selected sections of national highways	Protection of shoulder slope: Lucena - Calawag    95.7 km Allen - Calbayog    72.9 km Nagilian Road    47.2 km Total    215.8 km				(Description) (FY1992 Overseas Survey) After the construction of the Pan-Philippine Highway started in 1969, the pavement has deteriorated and numerous bridges also have shown signs of wear and tear. Disaster spots are found especially along mountainous sections of the Highway. The progress of the construction to rectify the deficiencies is as follows. 1. Lucena - Calawag Section May 1988 OECF loan (Ph-P93) L/A signed (special Rehabilitation 14,000 million yen) Project: Rehabilitation of Laoag-Allacapan, Allacapan - Aritao - Sta. Rita, and Calamba - Calauag Sections. Detailed design (Pavement, Bridges, drainage & disaster prevention) on the Lucena - Calauag Section (96km) completed (Toko Consultants). Total investment 461.7 million pesos (OECF 379.2 million, GOP 82.5 million) Jun. 1991 Construction commenced (scheduled to be completed in Jun. 1996) 2. Allen - Calbayog Section (73km) and Naguilian Road (47km) Feb. 1990 OECF loan (Ph-P105) L/A signed (Disaster Prevention and Rehabilitation 5,708 million yen) Project: Disaster prevention of Calauag - Matnog and Allen - Calbayog Section (353km) and Naguilian Road Jan. 1991 - Sep. 1992 Detailed design (Pavement, Bridges, drainage & disaster prevention) completed on Allen - Calbayog Section and Naguilian Road (PCI) Sep. 1992 Construction commenced (scheduled to be completed in Jul. 1995) Construction of Naguilian Road is in progress. (FY1993 Overseas Survey) The proposed projects have been under implementation as shown below. 1) Calamba-Calauag Road Construction began in July 1991 to be completed in June 1996. Total investment cost: 1,343.2 million pesos (foreign currency 825.7 million pesos equivalent; local currency 517.5 million pesos) Calauag-Matnog Road and Allen-Calbayog Road were dropped because of the increased cost and budget shortfalls. The application to be 19th Yen Credit is being considered for part of these roads. 2) Naguilian Road Construction began in Sept. 1992 to be completed in March 1995. Total investment cost: 618.7 million pesos (foreign currency 534 million pesos equivalent; local currency 84.7 million pesos) (FY1994 Domestic Survey) (1) Lucena-Calauag Section: Rehabilitation of the section has been implemented as a part of Calamba-Calauag Road Rehabilitation Project. Rehabilitation works for the section will be completed by January 1996. (2) Allen-Calbayog Section: Although detailed design for this section has been completed as a part of Disaster Prevention and Road Rehabilitation Project (PH-P105), construction is not scheduled yet.	
8. DATE OF SAW	1984/8	Imp. Period:		1990.1-1991.8			
9. CONSULTANT(S)	Nippon Engineering Consultants Co., Ltd. Katahira & Engineers International	4. FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes/No	FIRR1) 16.00    FIRR1) FIRR2) 14.40    FIRR2) FIRR3) 15.40    FIRR3)		
10. STUDY TEAM	No. of Members    7 Period    Sep. 1984-Jul. 1985 (9 months)	Conditions and Development Impacts: Conditions: (1) Traffic projections for 1990, 2000 and 2010 are estimated. (2) Road closure by disasters are 8 days/year for Lucena - Calawag, 9 days for Allen - Calbayog and 4 days for Nagilian Road. Development impacts: (1) Better access to isolated areas. (2) Recovery of road reliability. (3) Stimulation of private investments (4) Saving of rehabilitation costs Note) The above EIRRs indicate 1) Lucena-Calawag, 2) Allen-Calbayog, 3) Nagilian Road.					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Geological and topographic surveys	5. TECHNICAL TRANSFER		OJT and JICA training program for counterparts			
12. EXPENDITURE	Total    99,822 (¥'000) Contracted    93,173						2. MAJOR REASONS FOR PRESENT STATUS
							- large impact - high priority
							3. PRINCIPAL SOURCE OF INFORMATION
							①, ②, ③, ④



## 状況 (要約表添付文書)

ASE PHIL/S 318/85	(F/S)
Name of Study Philippine Road Disaster Prevention Project, Stage II	
Country Philippines	
Type of Study F/S	
Sector Transportation/Road	
Present Status: Partially Completed	
(Description)	
<p>(FY1992 Overseas Survey)            After the construction of the Pan-Philippine Highway started in 1969, the pavement has deteriorated and numerous bridges also have shown signs of wear and tear. Disaster spots are found especially along mountainous sections of the Highway. The progress of the construction to rectify the deficiencies is as follows.</p> <p>1. Lucena - Calauag Section            May 1988 OECF loan(Ph-P93) L/A signed(special Rehabilitation 14,003 million yen) Project: Rehabilitation of Laoag-Allacapan, Allacapan - Aritao - Sta. Rita, and Calamba - Calauag Sections. Detailed design(Pavement, Bridges, drainage &amp; disaster prevention) on the Lucena - Calauag Section(96km) completed(Toko Consultants) Total investment 461.7 million pesos(OECF379.2 million, GOP82.5 million)</p> <p>Jun.1991 Construction commenced(scheduled to be completed in Jun.1996)</p> <p>2. Allen - Calbayog Section(73km) and Naguilian Road(47km) Feb.1990 OECF loan(Ph-P105) L/A signed(Disaster Prevention and Rehabilitation 5,708 million yen) Project: Disaster prevention of Calauag - Matnog and Allen - Calbayog Section(353km) and Naguilian Road</p> <p>Jan.1991 - Sep.1992 Detailed design(Pavement, Bridges, drainage &amp; disaster prevention) completed on Allen - Calbayog Section and Naguilian Road(PCI) Sep.1992 Construction commenced(scheduled to be completed in Jul.1995) Construction of Naguilian Road is in progress.</p> <p>(FY1993 Overseas Survey) The proposed projects have been under implementation as shown below.</p> <p>1) Calamba-Calauag Road            Construction began in July 1991 to be completed in June 1996. Total investment cost: 1,343.2 million pesos (foreign currency 825.7 million pesos equivalent; local currency 517.5 million pesos) Calauag-Matnog Road and Allen-Calbayog Road were dropped because of the increased cost and budget shortfalls. The application to be 19th Yen Credit is being considered for part of these roads.</p> <p>2) Naguilian Road            Construction began in Sept. 1992 to be completed in March 1995. Total investment cost: 618.7 million pesos (foreign currency 534 million pesos equivalent; local currency 84.7 million pesos)</p> <p>(FY1994 Domestic Survey)</p> <p>(1) Lucena-Calauag Section: Rehabilitation of the section has been implemented as a part of Calamba-Calauag Road Rehabilitation Project. Rehabilitation works for the section will be completed by January 1996.</p> <p>(2) Allen-Calbayog Section: Although detailed design for this section has been completed as a part of Disaster Prevention and Road Rehabilitation Project(Ph-P105), construction is not scheduled yet.</p> <p>(3) Naguilian Road: Detailed design and construction have been/are being undertaken as a part of Disaster Prevention and Road Rehabilitation project(Ph-P105). The construction was commenced in September 1992 and is scheduled to be completed in August 1996.</p> <p>(FY1995 Domestic Survey)</p> <p>Lucena - Calauag Section            The repairment work for Calamba - Calauag Section including above is now implementing by OECF Loan (Ph-P93). Segment No.1, 3 and 5 were constructed, No.4 will be constructed until Oct., 1995 and No.2A will also be constructed until Feb., 1997. However, No.2B is not commenced as yet due to the lack of fund. Allen - Calbayog Section            It is planned to request to make it a project under the 21st Yen Credit. Naguilian Road Completed on Aug., 1995.</p>	

# PROJECT SUMMARY (F/S)

Compiled Mar.1988  
Revised Mar.1996

ASE PHL/S 317/85

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 type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Discontinued or Cancelled																																
2.NAME OF STUDY	San Roque Multi-Purpose Project (Re-Study)	Upstream reach of Agno River, middle Luzon island				(Description) Suspended after F/S.  Note: A hydroelectric power project is required in view of the large load demand in Luzon Island. The existing nuclear power station is not operated, and this raises the need for hydroelectric power generation. Although the proposed project is not included in the NPC list, the project is likely to be adopted if NPC decides to implement new projects.  (FY1993 Overseas Survey) According to National power supply program, this project will have implemented from the year of 2001 and expecting to power supply from the year of 2004, thus this project has no progress unless project will composed through the BOT.  (FY1994 Domestic Survey) When the President Ramos visited Europe, the Italian private group offered to review the feasibility of the project and to implement the project by the BOT method, if the project is viable. Responding this offer, the President Ramos announced to form a national Committee, the implementation Agency of which is the Pangasinan Province. Although progress of the project for implementation is unclear, implementation by the BOT method is judged to be not easy due to the nature of the project, i.e. multipurpose project.  (FY1995 Domestic Survey) No additional information.																																	
3.SECTOR	Social Infrastructure/Water Resource Development	2.PROJECT COST		Total Cost	Local Cost			Foreign Cost																															
4.REFERENCE NO.		(US\$1,000)	1) 1,200,000																																				
5.TYPE OF STUDY	F/S	(US\$1=9.00P)	2)																																				
6.COUNTERPART AGENCY	National Power Corporation (NPC)		3)																																				
7.OBJECTIVES OF STUDY		3.CONTENTS OF MAJOR PROJECT(S)				(FY1993 Overseas Survey) According to National power supply program, this project will have implemented from the year of 2001 and expecting to power supply from the year of 2004, thus this project has no progress unless project will composed through the BOT.  (FY1994 Domestic Survey) When the President Ramos visited Europe, the Italian private group offered to review the feasibility of the project and to implement the project by the BOT method, if the project is viable. Responding this offer, the President Ramos announced to form a national Committee, the implementation Agency of which is the Pangasinan Province. Although progress of the project for implementation is unclear, implementation by the BOT method is judged to be not easy due to the nature of the project, i.e. multipurpose project.  (FY1995 Domestic Survey) No additional information.																																	
- Review of hydrological study - Evaluation on quality of irrigation water		structure		Scale																																			
		Main Dam (filldam)	Gross storage	990 million cu.m																																			
8.DATE OF SAW	1983/10	Installed Capacity		390MW																																			
		Effective storage		670 million cu.m																																			
9.CONCONSULTANT(S)	Nippon Koei Co., Ltd.	Imp. Period:																																					
		4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)																																	
		Conditions and Development Impacts: 1. JICA preliminary study team pointed out to carry out additional investigations for the review of hydrological analysis and the evaluation of water quality. 2. Although there was a slight difference between the estimated low flow and those of F/S (by Italian Consultant), the scale of reservoir was proposed as the same of the F/S. 3. On the basis of the forecasted water quality in the reservoir, the increasing ratio of copper concentration in the soil of paddy field and the damage of crop were studied. The data shows that the damage will be tangible after 150 years.																																					
10.STUDY TEAM		<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">No.of Members</td> <td colspan="2">17</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">Period</td> <td colspan="2">Nov.1983-Mar.1985 (17 months)</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">Total M/M</td> <td>Japan</td> <td>Field</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2"></td> <td>38.35</td> <td>12.69</td> <td>25.66</td> <td colspan="2"></td> <td></td> </tr> </table>						No.of Members		17						Period		Nov.1983-Mar.1985 (17 months)						Total M/M		Japan	Field							38.35	12.69	25.66			
No.of Members		17																																					
Period		Nov.1983-Mar.1985 (17 months)																																					
Total M/M		Japan	Field																																				
		38.35	12.69	25.66																																			
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		Survey of Water Quality, Soil Test																																					
12.EXPENDITURE		5.TECHNICAL TRANSFER																																					
Total		117,374 (¥'000)		1. Training in Japan (JICA trainee): 2 persons (first year) and 1 person (second year)		3.PRINCIPAL SOURCE OF INFORMATION																																	
Contracted		102,244		2. Supply of equipment and the instruction on operation.		①, ③																																	

和名 サンロケ多目的ダム開発計画

# PROJECT SUMMARY (M/P+F/S)

Compiled Mar. 1990  
Revised Mar. 1996

ASE PHL/S 204B/86

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 type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled		
2. NAME OF STUDY		Two cities (Angeles and Dagupan) and two groups of towns (Cabayao, Santa Rosa and Biniyan; Bayombong and Sorano)							
Municipal Water Supply Project		2. PROJECT COST (US\$1,000)		M/P 1) 813,271 Local Cost	70,514 Foreign Cost	(Description) D/D was completed for Dagupan and Laoag. The project is under implementation with OECF financing.  Jan. 1988 OECF loan agreement (1,272 million yen) Nov. 1994 Construction to be completed  With regard to Angeles, D/D is underway with the 17th OECF finance.  May 1992 OECF loan agreement (1,094 million yen) 1992 Construction started Mar. 1996 Construction to be completed  (FY1993 Overseas Survey) 1. The projects have been included in the Medium Term Public Investment Program, the objectives of which are to provide safe and adequate water supply and sanitation services and to raise the service ratio from the present 66% to 79% of the total population.  2. The following projects are under implementation with OECF financing. 1) PCWSP-I for Dagupan and Laoag: Total investment cost: 344.14 million pesos (foreign currency 1,272 million yen; local currency 26.14 million pesos) 2) PCWSP-II for Angeles City Total investment cost: 358.07 million pesos (foreign currency 1,094 million yen; local currency 84.57 million pesos)  3. Consultations with concerned local governments must be conducted during the early stage of the F/S in order to ascertain the institutional requirement of the project implementation and to avoid the problem like the Bayombong-Solano and Cabuyao-Sta. Rosa projects.  (FY1995 Domestic Survey) No additional information.			
3. SECTOR		(US\$1=20.50P)		FS 1) 43,678	18,573				
Public Utilities/Water Supply		2)		2)	25,105				
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)							
5. TYPE OF STUDY		<M/P>							
M/P+F/S		(1) Angeles City: Construction of 13 tube wells, 3 distribution reservoir and booster pumping station							
6. COUNTERPART AGENCY		(2) Dagupan City: Construction of 19 tube wells, chlorinator treatment facilities and transmission pipeline							
Local Water Utilities Administration (LWUA)		(3) Cabuyao-Sta. Rosa-Binan: Construction of new distribution reservoir, distribution pipeline and booster pumping station							
7. OBJECTIVES OF STUDY		(4) Bayombong-Solano: Construction of radial well facilities, chlorinator treatment facilities and transmission and distribution pipeline							
Formulation of a master plan for water supply in seven local cities and towns		<F/S>							
8. DATE OF S/W		Phase I (1986-95)							
1985/10		Phase II (1996-2010)							
9. CONSULTANT(S)		(1) Source Facility test well							
Nippon Jogesuido Sekkei Co., Ltd.		(2) Transmission Facility Construction of Transmission facility (3,500m)							
		(3) Treatment Facility Chlorination Facilities							
		(4) Distribution Facility Construction of Reservoir (2400sq.m)							
		Extension of Reservoir to 7000sq.m							
		Note: EIRRs and FIRRs below are for 1) Angeles, 2) Dagupan, 3) Cabuyao-Santa Rosa - Biniyan. EIRR and FIRR for Bayombong - Sorano are 13.5% and 4.3%.							
		Imp. Period: 1988. -1995.							
		4. FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 13.70 EIRR2) 13.10 EIRR3) 13.40	FIRRI) 17.60 FIRR2) 6.00 FIRR3) 12.30			
10. STUDY TEAM		Conditions and Development Impacts:							
No. of Members 10		Conditions: EIRR: End of construction 1995; project life of 20 years; own fund 5%, government subsidy 5%, government loan 10 - 12%, and annual reserve of 5 - 10%, etc.							
Period Feb. 1986-Mar. 1987 (14 months)		FIRR: Increase of land price, improvement of health and economic value of water are taken into account. The shadow pricing factor is 1.3 for foreign exchange, 0.5 for the premium of unskilled labor, and 1.0 for other components.							
Total M/M		Impacts: As the direct benefit, the following impacts are expected:							
Japan		- Increase in the area and population to be served.							
Field		- Continuous supply of safe water							
40.97		1) Improvement of living environment							
19.93		2) Economic impacts are as follows:							
22.04		- Decrease of water-borne diseases    - Reduction of medical expenses							
		- Increase of working hours    - Increase of land prices							
		- Reduction of fire damages							
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER				2. MAJOR REASONS FOR PRESENT STATUS			
Qualitative Analysis of Water		- On-the-job training on development planning and tube well construction				- Development of water supply systems has high priority among BRN-related projects.			
		- JICA training program for counterparts				- Effectiveness of LWUA			
12. EXPENDITURE						3. PRINCIPAL SOURCE OF INFORMATION			
Total		163,499 (¥'000)				①, ②, ④			
Contracted		149,175							

和名 地方都市上水道整備計画

(M/P+F/S)

# PROJECT SUMMARY (M/P)

Compiled Mar.1990

Revised Mar.1996

ASE/PHL/A 102/87

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS																			
1. COUNTRY	Philippines	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	Improvement Project of the O&M of Magat River Integrated Irrigation	Region II (Isabela, Quirino, Ifugao) 102,000 ha			2. PROJECT COST (US\$1,000) <table style="margin-left: 20px; border: none;"> <tr> <td></td> <td style="text-align: center;">1)</td> <td style="text-align: center;">Total Cost</td> <td style="text-align: center;">Local Cost</td> <td style="text-align: center;">Foreign Cost</td> </tr> <tr> <td></td> <td style="text-align: center;">2)</td> <td style="text-align: center;">51,707</td> <td style="text-align: center;">17,317</td> <td style="text-align: center;">34,390</td> </tr> </table> US\$1=20.5 Pesos		1)	Total Cost	Local Cost	Foreign Cost		2)	51,707	17,317	34,390	(Description) NIA wanted to implement this project as a model for many other ineffective irrigation systems which suffer from inadequate management and lack of proper maintenance in the Philippines, and requested unsuccessfully for a Japanese grant to implement part of the proposals.  (FY1991 Overseas Survey) The project will be revived in the near future.  (FY1993 Overseas Survey) This Project is planned to implement during the period from 1997 to 1999. Since this Project is considered as a typical example to put to an effective use of available water, NIA wishes to make it one of the model case and has requested to JICA's technical cooperation. Similar to the other irrigation projects, the Turn-over program is applied for its maintenance and/or administration. As existing facilities were established about 20 years ago and getting very old, and due to the variety of equipments brought from various countries, it is very hard to supply their spareparts. Additionally, as a matter of fact, the maintenance and the administration of the facilities seem to be insufficient because of the strict budgetary situations of the Government of the Philippines. Therefore, it is necessary to rehabilitate these facilities and improve present circumstances as quick as possible.  (FY1994 Domestic Survey) The World Bank has conducted IOSP(Irrigation Operations Support Project)-1(1987-91) and is conducting IOSP-2(1993-97) for the strengthening the institutional capability of NIA and Irrigator's Associations, and also financial support to O&M costs. The Study area is also part of the target of this Project, but its financial support is enough only to cover the routine O&M cost, and the irrigation facilities in this area are left unrehabilitated.  (FY1995 Domestic Survey) ISOP-2 makes District I, II and IV as the target areas, and they will be implemented until 1998. And the "Water Resources Development Project (WRDP)" of the World Bank makes District II as the target area and is going to commence the implementation from 1996.								
	1)	Total Cost	Local Cost	Foreign Cost																				
	2)	51,707	17,317	34,390																				
3. SECTOR	Agriculture/(Agriculture in)General	3. CONTENTS OF MAJOR PROJECT(S)																						
4. REFERENCE NO.		The Study proposed various improvements to realize more effective utilization of water resources, efficient and equal distribution of irrigation water, and better organizations for maintenance and operation (e.g. preparation of an O&M manual).																						
5. TYPE OF STUDY	M/P	<table style="width: 100%; border: none;"> <tr> <td></td> <td style="text-align: right;">Costs ('000 pesos)</td> </tr> <tr> <td>- Improvement of water control</td> <td style="text-align: right;">: 143,330</td> </tr> <tr> <td>- Improvement of machinery and facilities</td> <td style="text-align: right;">: 36,610</td> </tr> <tr> <td>- Procurement of construction machinery</td> <td style="text-align: right;">: 134,550</td> </tr> <tr> <td>- Improvement of canals</td> <td style="text-align: right;">: 349,820</td> </tr> <tr> <td>- Rehabilitation major structures</td> <td style="text-align: right;">: 63,196</td> </tr> <tr> <td>- Improvement of agricultural dev. facilities</td> <td style="text-align: right;">: 47,700</td> </tr> <tr> <td>- Engineering services</td> <td style="text-align: right;">: 156,050</td> </tr> <tr> <td>- Contingency</td> <td style="text-align: right;">: 123,750</td> </tr> <tr> <td style="text-align: right;">Total</td> <td style="text-align: right;">1,060,000</td> </tr> </table> * Project costs above are in 1986 prices.				Costs ('000 pesos)	- Improvement of water control	: 143,330	- Improvement of machinery and facilities	: 36,610	- Procurement of construction machinery	: 134,550	- Improvement of canals	: 349,820	- Rehabilitation major structures	: 63,196	- Improvement of agricultural dev. facilities	: 47,700	- Engineering services	: 156,050	- Contingency	: 123,750	Total	1,060,000
	Costs ('000 pesos)																							
- Improvement of water control	: 143,330																							
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- Rehabilitation major structures	: 63,196																							
- Improvement of agricultural dev. facilities	: 47,700																							
- Engineering services	: 156,050																							
- Contingency	: 123,750																							
Total	1,060,000																							
6. COUNTERPART AGENCY	National Irrigation Administration	4. CONDITIONS AND DEVELOPMENT IMPACTS																						
7. OBJECTIVES OF STUDY	Improvement in the central-method of water by repairing existing irrigation facilities	The proposed project will strengthen O & M activities of Magat Dam and irrigation facilities, which were constructed by NIA with funds from ADB and IBRD.  Development impacts: 1) The irrigated area will reach 97,400ha 2) The average paddy yield will rise to 4.1 tons/ha, with the total production reaching 760,000 tons. 3) The quality of rice will improve. 4) The paddy production cost will drop by 640 pesos/ha, which will raise the net profit. 5) Estimated FIRR 10%, and estimated EIRR 14%																						
8. DATE OF SAV	1985/11	2. MAJOR REASONS FOR PRESENT STATUS																						
9. CONSULTANT(S)	Sanyu Consultants Inc. Naigai Engineering Co., Ltd. Nihon Suiko Consultant Co., Ltd.																							
10. STUDY TEAM	No. of Members 18 Period Feb.1986-Mar.1987(14 months)	3. PRINCIPAL SOURCE OF INFORMATION																						
	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">Japan</td> <td style="text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">130.35</td> <td style="text-align: center;">54.07</td> <td style="text-align: center;">70.78</td> </tr> </table>				Total M/M	Japan	Field	130.35	54.07	70.78														
Total M/M	Japan	Field																						
130.35	54.07	70.78																						
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	None	5. TECHNICAL TRANSFER																						
12. EXPENDITURE	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total</td> <td style="text-align: right;">361,520 (¥000)</td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td style="text-align: right;">330,294</td> </tr> </table>	Total	361,520 (¥000)	Contracted	330,294	1) OJT 2) Acceptance of Trainee (Maintenance & Operation Soft Ware)																		
Total	361,520 (¥000)																							
Contracted	330,294																							

和名 マガットかんがいシステム維持管理強化計画

[M/P, Basic Study, Other]

# PROJECT SUMMARY (M/P)

Compiled Mar.1990

Revised Mar.1996

ASE PHL/S 108/87

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS												
1.COUNTRY	Philippines	1.SITE OR AREA	Cagayan River Basin in Luzon Island, 27,300 sq.km		1.PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued											
2.NAME OF STUDY	Cagayan River Basin Water Resources Development	2.PROJECT COST				<table style="width: 100%; border-collapse: collapse;"> <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> </tr> <tr> <td style="text-align: center;">(US\$1,000)</td> <td style="text-align: center;">1) 1,608,927</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">(US\$1=20.5p)</td> <td style="text-align: center;">2)</td> <td></td> <td></td> </tr> </table>			Total Cost	Local Cost	Foreign Cost	(US\$1,000)	1) 1,608,927			(US\$1=20.5p)
	Total Cost	Local Cost	Foreign Cost													
(US\$1,000)	1) 1,608,927															
(US\$1=20.5p)	2)															
3.SECTOR	Social Infrastructure/Water Resource Development	3.CONTENTS OF MAJOR PROJECT(S)	<p>(Description)</p> <p>A feasibility study had been planned by the DPWH immediately after the completion of this master plan study. However, the F/S was delayed due to the revolution in February 1987. The Government of the Philippines is requesting a feasibility study by JICA.</p> <p>(FY1991 Overseas Survey) Preparations for feasibility studies are being undertaken.</p> <p>(FY1993 Overseas Survey) Cagayan River Basin Water Resources Development: Minor flood control works undertaken by the local fund conducted after completion of the master plan study. These include the construction of bank protection along the selected sections of Cagayan river and its tributaries.</p> <p>DPWH conducted the following preparatory works for F/S 1) Core drilling survey completed in 1988 2) Hydrographic surveys completed 90% 3) Flood damage survey, occurred in 1989.</p> <p>Feasibility study for this project tentatively scheduled in 1998 but it deferred due to unfavorable peace and order and political instability.</p> <p>The DPWH had continuously endorsed the feasibility study as one of its priorities for JICA technical assistance.</p> <p>(FY1994 Domestic Survey) DPWH highly expects that the F/S of this Project will be undertaken by the Gov't of Japan. Due to the security problem in the study area, although the security issue is in fact improved in a high degree, the commitment has not been made yet for carrying out the F/S of the Project.</p> <p>(FY1995 Domestic Survey) No additional information.</p>													
4.REFERENCE NO.		<p>Master Plan : Target year 2005</p> <p>(1) Multi purpose dam scheme Alimit : Storage volume 155 x 10<sup>6</sup> m<sup>3</sup>, dam height 89 m Matuno : 97 x 10<sup>6</sup> m<sup>3</sup>, 147 m Siffo : 93 x 10<sup>6</sup> m<sup>3</sup>, 58 m Mallig : 545 x 10<sup>6</sup> m<sup>3</sup>, 84 m</p> <p>(2) Flood control scheme Tuguegarao dike scheme, Magapit narrow improvement cabagan dike scheme and bank erosion control scheme.</p> <p>(3) Agricultural development scheme Irrigation scheme : 14 projects - Permanent crop land : 30,000 ha - Pasture land : 83,000 ha</p> <p>(4) Hydropower scheme Primary : Ibulao, Tanudam, and Diduyon Secondary (integrated with agricultural development) : Dumnon, Paraman, Zinundungan</p>														
5.TYPE OF STUDY	M/P															
6.COUNTERPART AGENCY	Department of Public Works and Highways															
7.OBJECTIVES OF STUDY	Master Plan of Water Resources															
8.DATE OF S/W	1985/8															
9.CONSULTANT(S)	Nippon Koei Co., Ltd. Nikken Consultants., Inc.															
10.STUDY TEAM	No.of Members 15 Period Oct.1985-Aug.1987(23 months)															
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Total M/M</td> <td style="width: 33%;">Japan</td> <td style="width: 33%;">Field</td> </tr> <tr> <td style="text-align: center;">140.97</td> <td style="text-align: center;">72.29</td> <td style="text-align: center;">68.68</td> </tr> </table>					Total M/M	Japan	Field	140.97	72.29	68.68					
Total M/M	Japan					Field										
140.97	72.29		68.68													
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	None															
12.EXPENDITURE	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Total</td> <td style="width: 15%;">446,671 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td>344,969</td> </tr> </table>	Total	446,671 (¥'000)	Contracted	344,969											
Total	446,671 (¥'000)															
Contracted	344,969															
	4.CONDITIONS AND DEVELOPMENT IMPACTS	<p>5. TECHNICAL TRANSFER</p> <p>(1) 4 special OJT (2) 2 OJT in Japan (3) To finalize report with counterpart</p>		<p>2.MAJOR REASONS FOR PRESENT STATUS</p> <p>Worsening security problems.</p>												
	<p>[Conditions]</p> <p>(1) Flood control projects were selected in order to yield flood control benefit of 10% of estimated total flood damage.</p> <p>(2) Agricultural development scheme was formulated to implement all irrigation projects upto year 2005. Development of permanent crop production, livestock farming and hilland cropping was included in the Master Plan.</p> <p>(3) Hydropower projects proposed by the Luzon Hydropotential Study (by JICA) were involved in the formulation of hydropower scheme.</p> <p>[Development Impacts]</p> <p>(1) Effects on regional water supply and demand balance Realization of stable water supply and flood control project will increase productivity of agriculture, industry and service industry. Eventually it is expected that livelihood standard of inhabitants becomes better.</p> <p>(2) Effects on regional socio-economy Implementation of projects will create numerous opportunity of employment and is expected to improve social security condition in the project area.</p>					<p>3.PRINCIPAL SOURCE OF INFORMATION</p> <p>①, ②, ③</p>										

# PROJECT SUMMARY (F/S)

Compiled Mar. 1990  
Revised Mar. 1996

ASE PHIL/S 320/87

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 type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Manila South Port Rehabilitation Project	Manila					
3. SECTOR	Transportation/Port	2. PROJECT COST		Total Cost	Local Cost	Foreign Cost	
4. REFERENCE NO.		(US\$1,000)	1)	35,366	10,315	25,051	
5. TYPE OF STUDY	F/S	(US\$1=20.5P)	2)				
6. COUNTERPART AGENCY	Philippine Port Authority		3)				
7. OBJECTIVES OF STUDY	Review of Master Plan (year 2000) and establishing Short Term Development Plan for South Harbour.	3. CONTENTS OF MAJOR PROJECT(S)				(Description) Feb. 1988    Government of Philippines applied for an ADB loan 1988 - 1989    Detailed design done by a US consultant Dec. 1989    ADB L/A (US\$43.5 million) for 2nd Manila Port Project (South and North Harbors) Sep. 1991-1st half of 1994    Construction scheduled  Total Project Cost    442.1 million pesos Foreign (60%)    US\$1.3 million Local (40%)    26.8 million  (FY1993 Overseas Survey) Dec. 1987    ADB loan approved (US\$ 43.5 million) PPA internal cash generation (US\$ 43.21 million equiv.) Jul. 1988 - Dec. 1989    D/D conducted (STV Lyon Assoc. Inc.) Sep. 1991    Construction started to be completed in June 1995  Total investment cost: US\$ 89.69 million pesos Foreign currency: US\$ 50.40 million (cost overrun) Local currency : US\$ 36.29 million  (FY1994 Domestic Survey) (FY1995 Domestic Survey) No additional information.	
8. DATE OF SAV	1985/12	The Port of Manila consists of South Port, North Port and the International Container Terminal. Most of the facilities of South Port were constructed immediately after the 2nd World War, and are now largely obsolete. In addition, spaces and facilities for cargo handling and storage are insufficient. The study proposed the following rehabilitation and expansion of the port facilities.					
9. CONSULTANT(S)	Overseas Coastal Area Development Institute Nikken Sekkei Ltd.	4. FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 18.46 EIRR2) EIRR3)	EIRR1) 7.69 EIRR2) EIRR3)	
10. STUDY TEAM	No. of Members    11 Period    Mar. 1986-Jun. 1987 (16 months)	Conditions and Development Impacts: Demand projections are made for the years 1995 and 2005.  The implementation of the project will rehabilitate and expand the superannuated facilities of South Port and thereby improve the efficiency of the port operation and maintenance, reduce cargo handling costs and port charges and waiting time of the calling ships. The social internal rate of return is calculated 18.61%.					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Traffic Survey, Soil Survey, Topographic Survey, Structure Inspection	5. TECHNICAL TRANSFER				2. MAJOR REASONS FOR PRESENT STATUS	
12. EXPENDITURE	Total    228,100 (¥'000) Contracted    214,956	1) A seminar held in Manila; 2) A lecture on F/S methodology; 3) OJT through joint work					
						3. PRINCIPAL SOURCE OF INFORMATION	
						①, ②	

和名 マニラ南港改修計画

[F/S,D/D]

# PROJECT SUMMARY (F/S)

Compiled Mar.1990  
Revised Mar.1996

ASE PHIL/S 319/87

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT		
1.COUNTRY	Philippines	1.SITE OR AREA				I.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled	
2.NAME OF STUDY Road Improvement Project on the Pan-Philippine Highway (Philippines-Japan Friendship Highway)		North Study Section 200km (Sta. Rita-Aritao) South Study Section 181km (Calamba-Calauag)						
3.SECTOR Transportation/Road		2.PROJECT COST		Total Cost	Local Cost	Foreign Cost		
4.REFERENCE NO.		1) (US\$1,000) 55,000		2) (US\$1=160Yen) 23,000				
5.TYPE OF STUDY F/S		3) 3						
6.COUNTERPART AGENCY Department of Public Works and Highways(DPWH)		3.CONTENTS OF MAJOR PROJECT(S)				(Description) (FY1992 Overseas Survey) After the construction of the Pan-Philippine Highway started in 1969, the pavement has deteriorated and numerous bridges also have shown signs of wear and tear. Disaster spots are found especially along mountainous sections of the Highway. The progress of the construction to rectify the deficiencies is as follows. 1. Santa Rita - Aritao Section May 1988 OECF loan (PH-P93) L/A signed (special Rehabilitation 14,000 million yen) Project: Rehabilitation of Laoag - Allacapan, Allacapan - Aritao - Sta. Rita, and Calamba - Calauag Sections. Feb.1990 - May 1991 Detailed design (Pavement, Bridges, drainage & disaster prevention) on the Aritao - SantaRitaSection(200km) completed (Katahira & Engineers) Total investment 1,017.3 million pesos (OECF835.5 million, GOP181.8 million) Jun.1991 Construction commenced (scheduled to be completed in Jan.1996) 2. Calamba - Calauag Section Mar.1990 - Jan 1991 Detailed design (Pavement, Bridges, drainage & disaster prevention) on the Calamba - calauag Section (181km) completed (Toko Consultants) Total investment 461.7 million pesos (OECF 379.2 million, GOP82.5 million) Jun.1991 Construction commenced(scheduled to be completed in Jun.1996) (FY1993 Overseas Survey) The proposed road improvement has been under implementation as show below. 1) Sta.Roasa-Aritao Road Construction began in April 1991 to be completed in Jan. 1996. Total investment cost: 1,822.7 million pesos (foreign currency 1,093.6 million pesos equivalent; local currency 789. million pesos) 2) Calamba-Calauag Road Construction began in July 1991 to be completed in June 1995. Total investment cost: 1,343.2 million pesos (foreign currency 825.7 million pesos equivalent; local currency 517.5 million pesos) (FY1994 Domestic Survey) (1)Sta.Rita-Aritao Section Construction under OECF loan(PH-P93) is scheduled to be completed by June 1996.Detailed design for Alternative Route of Dalton Pass Section is proposed for financing under the 20th OECF Loan Package. (2)Calamba-Calauag Section Of five contract packages, two(P-1&P-5) have been completed.Another two(P-3&P-4) are scheduled to be completed in January 1996.As for Package 2, Contract with a construction period of one year will be signed in January 1996. (FY1995 Domestic Survey) (1)Sta.Rita-Aritao Section The rehabilitation works will be completed on Nov., 1996 by OECF		
7.OBJECTIVES OF STUDY Road Rehabilitation		(1)Rehabilitation of Road Function (Short term 1987-92)						
8.DATE OF SAW 1985/11		Imp. Period: 1989.4-1992.12						
9.CONULTANT(S) Nippon Engineering Consultants Co., Ltd. Katahira & Engineers International		4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 57.20 EIRR2) EIRR3)			FIRR1) FIRR2) FIRR3)
10.STUDY TEAM		Conditions and Development Impacts:						
No.of Members 7 Period Jun.1986-Sep.1987(16 months)		Conditions: (1) Future traffic demand is estimated for the years of 2000 and 2010. (2) For improvement of traffic function, widening of road width, construction of By-pass, etc were suggested. (3) Rehabilitation of pavement for each section was also suggested.  Development Impacts: The improvement of road function in the cities are expected.						
Total M/M 48.13		Japan 2.10		Field 46.03				
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY Topographic Survey and Geotechnical Investigation		5.TECHNICAL TRANSFER						
12.EXPENDITURE		(1) Technical Transfer through Seminar (2) OJT on highway planning and pavement						
Total 168,225 (¥000)								
Contracted 161,111								
		2.MAJOR REASONS FOR PRESENT STATUS						
		- High priority has been given to this project as the road is one of important trunk roads in Philippines. - The project was evaluated to be the most suitable one as Social Rehabilitation Fund by OECF						
		3.PRINCIPAL SOURCE OF INFORMATION						
		①, ②, ③, ④						

## 状況 (要約表添付文書)

ASE PHIL/S 319/87	(F/S)
Name of Road Improvement Project on the Pan-Philippine Highway (Philippines-Japan Friendship Highway)	
Country	Philippines
Type of Study	F/S
Sector	Transportation/Road
Present Status: Implementing	
(Description)	
<p>(FY1992 Overseas Survey)            After the construction of the Pan-Philippine Highway started in 1969, the pavement has deteriorated and numerous bridges also have shown signs of wear and tear. Disaster spots are found especially along mountainous sections of the Highway. The progress of the construction to rectify the deficiencies is as follows.</p> <p>1. Santa Rita - Aritao Section            May 1988 OECF loan (PH-P93) L/A signed (special Rehabilitation 14,003 million yen) Project: Rehabilitation of Laoag - Allacapan, Allacapan - Aritao - Sta. Rita, and Calamba - Calauag Sections. Feb.1990 - May 1991 Detailed design (Pavement, Bridges, drainage &amp; disaster prevention) on the Aritao - SantaRitaSection(200km) completed (Katahira &amp; Engineers) Total investment 1,017.3 million pesos (OECF835.5 million, GOP181.8 million) Jun.1991 Construction commenced (scheduled to be completed in Jan.1996)</p> <p>2. Calamba - Calauag Section            Mar.1990 - Jan 1991 Detailed design (Pavement, Bridges, drainage &amp; disaster prevention) on the Calamba - calauag Section (181km) completed (Toko Consultants) Total investment 461.7 million pesos (OECF 379.2 million, GOP82.5 million) Jun.1991 Construction commenced(scheduled to be completed in Jun.1996)</p> <p>(FY1993 Overseas Survey)            The proposed road improvement has been under implementation as show below.</p> <p>1) Sta.Roasa-Aritao Road            Construction began in April 1991 to be completed in Jan. 1996. Total investment cost: 1,822.7 million pesos (foregin currency 1,093.6 million pesos equivalent; local currency 789. million pesos)</p> <p>2) Calamba-Calauag Road            Construction began in July 1991 toba completed in June 1995. Total investment cost: 1,343.2 million pesos (foreign currecy 825.7 million pesos equivalent; local currency 517.5 million pesos)</p> <p>(FY1994 Domestic Survey)            (1)Sta.Rita-Aritao Section            Construction under CECF loan(PH-P93) is scheduled to be completed by June 1996.Detailed design for Alternative Route of Dalton Pass Section is proposed for financing under the 20th OECF Loan Package.</p> <p>(2)Calamba-Calauag Section            Of five contract packages, two(P-1&amp;P-5) have been completed.Another two(P-3&amp;P-4) are scheduled to be completed in Vanuary 1996.As for Package 2, Contract with a construction period of one year will be signed in January 1996.</p> <p>(FY1995 Domestic Survey)            (1)Sta.Rita-Aritao Section            The rehabilitation works will be completed on Nov., 1996 by OECF Loan (PH-P93).</p> <p>(2)Calamba-Calauag Section            The equipment works are now carried on by OECF Loan (PH-P93).            Segment No.3 and 5 were constructed already. Segment No.4 will be constructed until Oct., 1995 and No.2A among the Segment No.2 will also be constructed until Feb., 1997. However, No.2B is not commenced as yet due to the lack of fund.</p>	



# PROJECT SUMMARY (M/P)

Compiled Mar.1990  
Revised Mar.1996

ASE PHL/A 103/88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS		
1.COUNTRY	Philippines	1.SITE OR AREA	Western Samar Province in Samar Island (excluding small islands)			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/Rural Development Project in Western Samar	2.PROJECT COST					
3.SECTOR	Agriculture/(Agriculture in)General		(US\$1,000)	1) 422,500	222,150	(Description) Regarding the Agricultural Development Promotion Project (ADPP) formulated for the top priority area (San Jorge / Ganadara), the FY1989 Japanese grant was approved.  Jan.- Mar. 1990 Basic design study undertaken Jul.1990 E/N signed (Phase I: 712 million yen) Aug.1991 E/N signed (Phase II: 12 million yen) Mar.1993 The completed project formally transferred to the Samar Provincial Government  (FY1993 Overseas Survey) (1) Since the impleted project design was turned over to the Provincial Government of Western Samar, there has been no further development of the project. Under the new Local Government Code, the implementation of the projects (including financing) became the responsibility of the LGU. (2) It is being used by the local government unit of Western Samar as an economic development blueprint, particularly with respect to planning and agricultural/rural development programs / projects / activities.  (FY1994 Domestic Survey)(FY1995 Domestic Survey) No additional information.	
4.REFERENCE NO.		3.CONTENT(S) OF MAJOR PROJECT(S)	2) 200,350				
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 Estimated investment costs are as follows: First 5 years of the first decade 114,600 (US\$1,000) Second 5 years of the first decade 91,450 Second decade 216,450 (The cost above is the total for 20 years)					
6.COUNTERPART AGENCY	Provincial Government of Samar						
7.OBJECTIVES OF STUDY	M/P for the integrated agricultural development in order to vitalize economy in the Province of Samar						
8.DATE OF S/W	1986/12	4.CONDITIONS AND DEVELOPMENT IMPACTS					
9.CONSULTANT(S)	Sanyu Consultants Inc. Pacific Consultants International Taiyo Consultants Co., Ltd.				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.		
10.STUDY TEAM	No.of Members 13 Period Mar.1987-Dec.1988(15 months)						
	Total M/M      Japan      Field						
	95.86      40.17      55.69						
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Discharge Observation				2.MAJOR REASONS FOR PRESENT STATUS		
12.EXPENDITURE		5.TECHNICAL TRANSFER			3.PRINCIPAL SOURCE OF INFORMATION		
	Total 320,574 (¥'000)						1) Acceptance of trainees 2) Direction of measuring equipment (flow meter, etc.) 3) Co-working during report preparation
	Contracted 268,403						

和名 西サマール農業総合開発計画

[M/P,Basic Study,Other]

# PROJECT SUMMARY (Basic Study)

Compiled Mar.1991  
Revised Mar.1996

ASE PHIL/S 502/88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS									
1. COUNTRY	Philippines	1. SITE OR AREA	Approx. 1,500 sq.km of Metro Manila Region		1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued								
2. NAME OF STUDY	Establishment of Graphic Information Base Project of National Capital Region	2. PROJECT COST	Total Cost	Local Cost	(Description) The four kinds of maps are now sold to the public in the Philippines. The maps are widely used for the formulation of various development plans and studies in Metro Manila.  The maps are also utilized by JICA studies and popular among users.  (FY1991 Overseas Survey) No additional information.  (FY1993 Overseas Survey) Establishment of Graphic Information Base Project of National Capital Region Completed and updating information by the local fund.  (FY1994 Domestic Survey) It is said to add some maps which have been sold out from a few years ago, but its detail is unknown.  (FY1995 Domestic Survey) No additional information.									
3. SECTOR	Social Infrastructure/Survey & Mapping	(US\$1,000)	1)	2)										
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)												
5. TYPE OF STUDY	Basic Study	Preparation of : 1. Contoured (Topographic) Mapping (scale 1:10,000) 1500sq.km 2. Planimetric Mapping (scale 1:10,000) 1500sq.km 3. Land Use Mapping (scale 1:10,000) 823sq.km 4. Land Condition Mapping (scale 1:10,000) 476sq.km												
6. COUNTERPART AGENCY	National Mapping and Resource Information Authority (Manila)	4. CONDITIONS AND DEVELOPMENT IMPACTS												
7. OBJECTIVES OF STUDY	Preparation of base maps for urban development planning	By the preparation of the urban base maps, the formulation of urban re-development plans, land use plans, flood control measures, etc. are greatly facilitated to contribute to the regional economic development.												
8. DATE OF SAV	1985/0	10. STUDY TEAM												
9. CONSULTANT(S)	International Engineering Consultants Association	No. of Members 62 Period Jun.1985-Mar.1989 (46 months)												
		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;">Total M/M</td> <td style="width: 15%;">Japan</td> <td style="width: 15%;">Field</td> </tr> <tr> <td></td> <td style="text-align: center;">200.67</td> <td style="text-align: center;">81.48</td> <td style="text-align: center;">119.19</td> </tr> </table>						Total M/M	Japan	Field		200.67	81.48	119.19
	Total M/M	Japan	Field											
	200.67	81.48	119.19											
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		11. ASSOCIATED AND/OR SUBCONTRACTED STUDY												
12. EXPENDITURE		12. EXPENDITURE												
		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;">Total</td> <td style="width: 15%;">761,568 (Y000)</td> </tr> <tr> <td></td> <td>Contracted</td> <td style="text-align: center;">751,731</td> </tr> </table>				Total	761,568 (Y000)		Contracted	751,731				
	Total	761,568 (Y000)												
	Contracted	751,731												
		5. TECHNICAL TRANSFER												
		Technical transfer has been made to the counterparts through the field work in the Philippines and office work in Japan.												
		2. MAJOR REASONS FOR PRESENT STATUS												
		The urban base maps of scale 1:10,000 are prepared for the first time in the Philippines.												
		3. PRINCIPAL SOURCE OF INFORMATION												
		①, ②, ③												

和名 マニラ都市基本図作成

# PROJECT SUMMARY (Other)

Compiled Mar. 1990

Revised Mar. 1996

ASE PH/A 602/88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS					
1. COUNTRY	Philippines	1. SITE OR AREA			1. PRESENT STATUS					
2. NAME OF STUDY Preparation of Forest Information in Wide Area and Forest Management Planning		An Area 29,000 sq.km in the Cagayan River Basin in Northern Luzon				<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued				
3. SECTOR Forestry/Forestry & Forest Conservation		2. PROJECT COST			(Description) (FY1992 Overseas Survey) The results of the study were used as the most comprehensive example of the land evaluation procedure which combines the techniques of Remote Sensing, Geographic Information System (GIS) and ground validation. The project is the first ever large-scale example of a completed GIS application in Southeast Asia. The project used the most sophisticated GIS software available (ARC/INFO) at that time and even up to the present. Results of the study were also widely used as a model for the different thematic maps for the Forestry Master Plan Project, for the ADB-financed Reforestation Project, and for the Survey Mapping and Planning (SMP) of all proposed reforestation projects.  (FY1994 Domestic Survey)(FY1995 Domestic Survey) No additional information.					
4. REFERENCE NO.		Total Cost    Local Cost    Foreign Cost								
5. TYPE OF STUDY Other		(US\$1,000)								
6. COUNTERPART AGENCY Bureau of Forest Development Ministry of Natural Resources		1) 2)								
7. OBJECTIVES OF STUDY The objective of this study is preparation of Forest Management Plan to conserve the natural environment and stable the socio-economic condition in the study area.		3. CONTENTS OF MAJOR PROJECT(S)								
8. DATE OF SAV 1985/5		1. The forest management plan for wide area was formulated on the above mentioned area. 2. A 50,000 ha of Model area was established in the above mentioned area and the forest management plan for Model area was formulated.								
9. CONSULTANT(S) Japan Forest Technical Association Pasco International Inc.		4. CONDITIONS AND DEVELOPMENT IMPACTS								
10. STUDY TEAM No. of Members 14 Period Jul. 1985-Jun. 1988 (36 months)		It is necessary to examine the social demands, economic effects and financing when the forest management plans are implemented. It will bring good results for reduction of the forest devastation and natural environment conservation by setting up the basic forest management plan for the whole country using the above mentioned plans. The basic forest management is to manage the unplanned forest exploitation and forest utilization.								
<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">Total M/M</th> <th style="width: 40%;">Japan</th> <th style="width: 40%;">Field</th> </tr> <tr> <td style="text-align: center;">155.00</td> <td style="text-align: center;">110.00</td> <td style="text-align: center;">45.00</td> </tr> </table>						Total M/M	Japan	Field	155.00	110.00
Total M/M	Japan	Field								
155.00	110.00	45.00								
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY Aerial Photography		5. TECHNICAL TRANSFER			3. PRINCIPAL SOURCE OF INFORMATION					
12. EXPENDITURE		To accept trainees/To guide the way of collecting and arranging the forest information in wide area and to conduct these joint works/To conduct the joint works for formulation of the forest management plans/To conduct the			①, ②					
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">Total</td> <td style="width: 40%;">401,069 (¥000)</td> </tr> <tr> <td>Contracted</td> <td>375,054</td> </tr> </table>							Total	401,069 (¥000)	Contracted	375,054
Total	401,069 (¥000)									
Contracted	375,054									

# PROJECT SUMMARY (F/S)

Compiled Mar. 1990  
Revised Mar. 1996

ASE PH/A 314/88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Philippines	1. SITE OR AREA		Existing National Pump Irrigation Systems (Excluding groundwater irrigation systems)		1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Improvement of Operation and Maintenance in Pumping Irrigation Systems	2. PROJECT COST		Total Cost	Local Cost		
3. SECTOR	Agriculture/Irrigation, Drainage & Reclamation			1) (US\$1,000)	16,715	5,516	11,199
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)		2) US\$1=21 Peso			(Description)  The project was not favorably considered during the annual bilateral consultation between Japan and the Philippines owing to the peace and order problems in the project area.  (FY1993 Overseas Survey) On 1990, the Project was not favorably considered as for a grant aid project during annual bilateral consultation between Japan and Philippines due to the security problems at the project area. After that, the security situations were gradually improved, however, another problem has been closed up so far a new snag that the price of electricity necessary to drive pumps raised up. Most of the farmers may not be able to afford for electricity unless they get some governmental subsidy or new system to supply electricity especially for farmers just as in case of Japan. But, it has been implemented good irrigation by pumps at the some part of area in where diesel pumps applied and is under the good IA (Irrigation Administration). Therefore, this Project is under the study to convert into the irrigation Project utilizing pumps with diesel engine. And also small-scaled hydrogenerators using the head of water level of the irrigation dams are considering. This Project is included in CORPLAN of NIA for the year of 1996/1997.  (FY1994 Domestic Survey) By a structural reform of NIA, the new National Irrigation System including pumping is studying for all over the country.  (FY1995 Domestic Survey) No additional information.
5. TYPE OF STUDY	F/S	The project consists of the rehabilitation and improvement of the following pump irrigation systems:		3)			
6. COUNTERPART AGENCY	NIA (National Irrigation Administration)	1) Bonga #1	(1,204.2)	(US\$000)			
7. OBJECTIVES OF STUDY	To formulate of operation and maintenance for government managed irrigation pumping system	2) Bonga #2	(1,470.2)				
8. DATE OF S/W	1987/2	3) Bonga #3	( 684.5)				
9. CONSULTANT(S)	Nippon Koei Co., Ltd. Construction Project Consultants	4) Alcala - Amilung	(1,433.3)				
10. STUDY TEAM	No. of Members 9 Period Aug. 1987-Dec. 1988 (7 months)	5) Solana	(3,648.9)				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		6) Libman - Cabusao	(3,028.4)				
12. EXPENDITURE	Total 199,448 (¥'000) Contracted 197,131	7) ini-hydropower stations	(5,246.0)				
		4. FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 19.40	FIRR1)	
		Conditions and Development Impacts:			EIRR2) 22.40	FIRR2)	
		Conditions:			EIRR3) 15.60	FIRR3)	
		Benefits of irrigation are the difference in terms of primary profits from crop production between "with project" and "without project" conditions. Benefits of mini-hydropower stations are calculated on the basis of the operational costs of diesel power generation.					
		Development Impacts:					
		1. Increase of crop production					
		2. Supply of electricity at lower costs					
		3. Increase of employment					
		4. Improvement of farm roads and reduction of transportation costs					
		* EIRRs 1) to 3) above correspond to the numbers of the projects shown above. EIRRs for the projects 4) to 7) are 33.7%, 27.4%, 39.5%, and 14.0% respectively.					
		5. TECHNICAL TRANSFER		Technology transfer to counterparts in the course of the study.			
		2. MAJOR REASONS FOR PRESENT STATUS		Peace and order problems in the project areas.			
		3. PRINCIPAL SOURCE OF INFORMATION		①, ②, ③			

# PROJECT SUMMARY (F/S)

ASE PHL/A 313/88

Compiled Mar.1990

Revised Mar.1996

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 checked="" type="checkbox"/> Completed <input type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Highland Intergrated Rural Development Project in La Trinidad, Province of Benguet	2. PROJECT COST					
3. SECTOR	Agriculture/ (Agriculture in) General			1) 12,460	5,220	7,240	
4. REFERENCE NO.				2) US\$1=24.2P in 1988			
5. TYPE OF STUDY	F/S			3)			
6. COUNTERPART AGENCY	Provincial Government of Benguet (PGB)	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			
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.						
8. DATE OF SAV	1987/3	Imp. Period: 1988.12-1992.3		(Description) The proposed project was implemented with the Japanese grant aid. Dec.1988 - Apr.1989 Basic design undertaken Jun.1989 E/N signed (1,643 million yen) for Phase I Jun. - Oct.1989 Phase I detailed design undertaken Nov.1989 - Nov.1990 Phase I construction undertaken Jul.1990 E/N signed (1,142 million yen) for Phase II Jul. - Oct.1990 Phase II detailed design undertaken Nov.1990 - Nov.1991 Phase II construction undertaken The facilities have been formally handed over to the provincial government of Benguet. The impact of the project is substantial, enabling the paddy planting during the dry season in 1992. (FY1991 Overseas Survey) No additional information. (FY1994 Domestic Survey) Road rehabilitation works at two road construction sites which were damaged by the landslide because of the typhoon in Oct.1991 was implemented from Dec.1992 to Mar.1993 under the financial and engineering support of JICA follow-up system.			
9. CONSULTANT(S)	Nippon Giken Inc. Nippon Koei Co., Ltd.	4. FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes				EIRR1) 10.20 EIRR2) EIRR3)
10. STUDY TEAM	No. of Members 10 Period Jul.1987-Nov.1988 (14 months)	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		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.			
	Total M/M      Japan      Field 57.49      23.87      33.62	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					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Rural Road Surveying and Irrigation Canal Surveying. Drilling of Test Wells	5. TECHNICAL TRANSFER		3. PRINCIPAL SOURCE OF INFORMATION ①, ②			
12. EXPENDITURE	Total 196,644 (¥'000) Contracted 170,000	1. Acceptance of Trainee (10 persons)					

和名 トリニダッド高地農村総合開発計画

(F/S,D/D)

# PROJECT SUMMARY (F/S)

Compiled Mar.1990

Revised Mar.1996

ASE PHL/S 321/88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT																																																													
1.COUNTRY	Philippines	1.SITE OR AREA		73 provinces (F/S on four selected provinces: Cavite, Masbate, Bohol and Agusan del Norte)		I.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled																																																												
2.NAME OF STUDY	Rural Road Network Development Project	2.PROJECT COST (US\$1,000)		Total Cost 45,000	Local Cost 17,000			Foreign Cost 28,000																																																											
3.SECTOR	Transportation/Road	3.CONTENTS OF MAJOR PROJECT(S)				(Description) The Government of the Philippines requested JICA to undertake a similar study on the other provinces. The requested study on eleven provinces(Rural Road Network Development Project II) was implemented during Oct. 1989 - Oct.1990. Based on the findings of the two RENDP studies and another (SAPROF), GOP requested OECF finance for rural roads improvement in 20 provinces(6 provinces from the two JICA studies and 13 provinces from the SAPROF). Yen credit was subsequently approved for four provinces(Agusan del Norte was replaced by Tarlac). Jul.1991 OECF loan(PH-P118) signed(Rural Road Network Development 5,266 million yen) Project: Rural roads in Cavite, Masbate, Bohol and Tarlac Provinces. Jul.1992 - May 1993 Detailed design to be completed( Katahira & Engineers) Sep.1993 Construction is scheduled to begin(to be completed in 1996). Total investment 1,009.6 million pesos(OECF848.2 million, GOP161.4 million) Tarlac Province was affected by the eruption of Mt. Pinatubo, and three of the four subprojects in the province were damaged. However, the proposed improvement can be implemented. (FY1993 Overseas Survey) After substantial improvement achieved of the arterial road network, the thrust of the GOP development objective has somewhat shifted to regional roads, in accordance with the updated National Development Plan which aims at poverty alleviation, generation of ore productive employment, promotion of social justice and sustainable growth in rural areas. The proposed projects are under implementation with OECF finance as follows. Aug.1992 - Sep.1993 D/D undertaken Apr.1994 Construction scheduled to begin Oct.1996 Construction to be completed Total investment cost: 841 million pesos (foreign currency 758 million pesos equivalent; local currency 83 million pesos) (FY1994 Domestic Survey) The construction work will be started in Dec.1994, several months behind schedule due to delay in pre-construction activities caused by imperfect pre-qualification documents submitted by bidders, detained approval of short list, change in design of pavement type, etc. July 1992 - Sep.1993 : Detailed Design Sep.1993 - Nov.1994 : Pre-construction Activities																																																													
4.REFERENCE NO.		The road improvement with IRR more than 15 % was proposed to implement Phase I and between 7.5 to 15% for Phase II. -Road Length Proposed for Improvement (km)-																																																																	
5.TYPE OF STUDY	F/S	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Cavite</th> <th>Masbate</th> <th>Bohol</th> <th>Agusan del Norte</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>[Phase I] Major Roads</td> <td>148.9</td> <td>134.5</td> <td>14.7</td> <td>52.6</td> <td>350.7</td> </tr> <tr> <td>Minor Roads</td> <td>157.5</td> <td>73.5</td> <td>107.3</td> <td>12.2</td> <td>350.5</td> </tr> <tr> <td>Total</td> <td>306.4</td> <td>208.0</td> <td>122.0</td> <td>64.8</td> <td>701.2</td> </tr> <tr> <td>[Phase II] Major Roads</td> <td>-</td> <td>152.8</td> <td>46.5</td> <td>49.3</td> <td>248.6</td> </tr> <tr> <td>Minor Roads</td> <td>113.6</td> <td>28.2</td> <td>83.4</td> <td>48.0</td> <td>273.2</td> </tr> <tr> <td>Total</td> <td>113.6</td> <td>181.0</td> <td>129.9</td> <td>97.3</td> <td>521.8</td> </tr> <tr> <td>[Total(Phase I+II)] Major Roads</td> <td>148.9</td> <td>287.6</td> <td>61.2</td> <td>101.9</td> <td>599.3</td> </tr> <tr> <td>Minor Roads</td> <td>271.1</td> <td>101.7</td> <td>190.7</td> <td>60.2</td> <td>623.7</td> </tr> <tr> <td>Total</td> <td>420.0</td> <td>389.0</td> <td>251.9</td> <td>162.1</td> <td>1,223.0</td> </tr> </tbody> </table>							Cavite	Masbate	Bohol	Agusan del Norte	Total	[Phase I] Major Roads	148.9	134.5	14.7	52.6	350.7	Minor Roads	157.5	73.5	107.3	12.2	350.5	Total	306.4	208.0	122.0	64.8	701.2	[Phase II] Major Roads	-	152.8	46.5	49.3	248.6	Minor Roads	113.6	28.2	83.4	48.0	273.2	Total	113.6	181.0	129.9	97.3	521.8	[Total(Phase I+II)] Major Roads	148.9	287.6	61.2	101.9	599.3	Minor Roads	271.1	101.7	190.7	60.2	623.7	Total	420.0	389.0	251.9	162.1	1,223.0
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6.COUNTERPART AGENCY	Dept. of Public Works and Highways (DPWH)	4.FEASIBILITY AND ITS ASSUMPTIONS																																																																	
7.OBJECTIVES OF STUDY	Development of regional roads (secondary trunk road and lower road classes)	Feasibility: Yes		EIRR1) EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)	Conditions and Development Impacts: Conditions: The project life is 25 years (from 1992 to 2016). The benefits taken into account were: Saving of transportation cost, benefit from the agricultural development, road maintenance cost savings. Impacts: The regional road development (roads with EIRR of over 15 % ) will extend the network of all-weather roads in the country and stimulate socio-economic growth and employment creation.																																																													
8.DATE OF SAV	1987/7	Imp. Period: 1991. -1995.																																																																	
9.CONSULTANT(S)	Katahira & Engineers International Nippon Engineering Consultants Co., Ltd.	10.STUDY TEAM				2.MAJOR REASONS FOR PRESENT STATUS The extent of primary road network might be considered adequate especially in built up areas and major municipalities. Rural roads improvement is given high priority in line with the government policy of promoting equity in economic development and social welfare.																																																													
No.of Members 10 Period Nov.1987-Feb.1989(16 months)		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>55.90</td> <td>13.40</td> <td>42.50</td> </tr> </tbody> </table>						Total M/M	Japan	Field	55.90	13.40	42.50																																																						
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11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Road Inventory Traffic survey	5.technical transfer				3.PRINCIPAL SOURCE OF INFORMATION ①, ②, ③, ④																																																													
12.EXPENDITURE	Total 191,294 (¥'000) Contracted 178,598	OJT for the counterparts																																																																	

## 状況 (要約表添付文書)

ASE PHL/S 321/88	(F/S)
Name of Rural Road Network Development Project Study	
Country	Philippines
Type of Study	F/S
Sector	Transportation/Road
Present Status: Implementing	
<b>(Description)</b>	
<p>The Government of the Philippines requested JICA to undertake a similar study on the other provinces. The requested study on eleven provinces(Rural Road Network Development Project II) was implemented during Oct. 1989 - Oct.1990.</p> <p>Based on the findings of the two RRNDP studies and another (SAPROF), GOP requested OECF finance for rural roads improvement in 20 provinces(6 provinces from the two JICA studies and 13 provinces from the SAPROF). Yen credit was subsequently approved for four provinces(Agusan del Norte was replaced by Tarlac).</p> <p>Jul.1991 OECF loan(PH-P118) signed(Rural Road Network Development 5,266 million yen) Project: Rural roads in Cavite, Masbate, Bohol and Tarlac Provinces.</p> <p>Jul.1992 - May 1993 Detailed design to be completed( Katahira &amp; Engineers)</p> <p>Sep.1993 Construction is scheduled to begin(to be completed in 1996). Total Investment 1,009.6 million pesos(OECF848.2 million, GOP161.4 million)</p> <p>Tarlac Province was affected by the eruption of Mt. Pinatubo, and three of the four subprojects in the province were damaged. However, the proposed improvement can be implemented.</p> <p><b>(FY1993 Overseas Survey)</b> After substantial improvement achieved of the arterial road network, the thrust of the GOP development objective has somewhat shifted to regional roads, in accordance with the updated National Development Plan which aims at poverty alleviation, generation of ore productive employment, promotion of social justice and sustainable growth in rural areas. The proposed projects are under implementation with OECF finance as follows. Aug.1992 - Sep.1993 D/D undertaken Apr.1994 Construction scheduled to begin Oct.1996 Construction to be completed Total investment cost: 841 million pesos (foreign currency 758 million pesos equivalent; local currency 83 million pesos)</p> <p><b>(FY1994 Domestic Survey)</b> The construction work will be started in Dec.1994, several months behind schedule due to delay in pre-construction activities caused by imperfect pre-qualification documents submitted by bidders, detained approval of short list, change in design of pavement type, etc. July 1992 - Sep.1993 : Detailed Design Sep.1993 - Nov.1994 : Pre-construction Activities Dec.1994 - Feb.1997 : Construction Total project cost : Y5,737,000 Foreign currency : Y5,266,000 Local currency : Y471,000</p> <p><b>(FY1995 Domestic Survey)</b> The construction works of Phase-I in four(4) provinces are carrying out. Due to the amendment of local government law, DFWH becomes only in charge of the national highways. Yen Credit has been granted for Phase-II covering 2nd class national highways in twelve(12) provinces.</p>	

# PROJECT SUMMARY (M/P)

Compiled Mar.1991  
Revised Mar.1996

ASE PHL/A 104/89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS	
1.COUNTRY	Philippines	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	Fish Transport System	2.PROJECT COST	Total Cost	Local Cost	(Description) This project was combined with the Nationwide Ice Plants and Cold Storage (NIPS) Network Project, which was proposed by the JICA M/P study during 1983 - 1985. The OECF-financed E/S of the combined project was completed in 1989 by the Pacific Consultants International. The E/S selected 4 zones (Camarines Norte, Iloilo, South Cotabato and Zamboanga del Sur) and one prototype (Camarines Sur) out of 11 zones and 52 prototypes in the master plan study and conducted the follow-up study and detailed design and prepared tender documents. Based on the E/S, the Government of the Philippines included this combined project to the application list for the 17th Yen Credit Package. The project was not approved. The PFDA formulated a pilot project, the Integrated Fish Trading Complex, on the basis of the project and submitted its proposal for grant aid to the Japanese Government. The request was not successful.  (FY1993 Overseas Survey) F/S was updated by PFDA in 1993 and Submitted to NEDA-ICC for consideration and possible funding under the 19th Yen Credit Package. Based on the updated F/S, the ICC found the proposal lacking of the basic information to enable the ICC to assess the economic and financial viability of each component of the project. PFDA temporarily withdrew the proposal but plans to re-submit the same in the form as required by the ICC.  (FY1995 Domestic Survey) No additional information.	
3.SECTOR	Fisheries/Fisheries	(US\$1,000)	1) 67,817,000	20,673,000		
4.REFERENCE NO.		3.CONTENTS OF MAJOR PROJECT(S)	US\$1=21Peso	2)		
5.TYPE OF STUDY	M/P	The Project components are: 1) Off-shore facilities of fish transport vessel, training vessel, fish carrier vessels and payao. 2) On-land facilities/building of office building, insulated fish box manufacturing plant, several processing plants, ice making plant, work shop, electrical sub-station, auction hall. 3) On-land facilities of antenna tower, tank water treatment facilities. 4) On-land equipment of mobiles, workshop equipment, information/communication equipment, cooking facilities and demonstration facilities etc.. 5) Infrastructure of rehabilitation for existing NFP, access road, extension for city water taking, wiring electrical power primary line and reclamation.				
6.COUNTERPART AGENCY	Department of Agriculture PFDA					
7.OBJECTIVES OF STUDY	To formulate M/P on Fish Transport System in the Philippines to improve the seafood treatment.	4.CONDITIONS AND DEVELOPMENT IMPACTS				
8.DATE OF SAW	1988/2	Conditions: Social life of the project was assumed to be 30 years. Physical life was assumed as 5 years to 25 years by the components. Prices on 1988. Completion of construction in 5 years after commencement of construction.  Development Impacts: Direct Benefits- the value in saving cost/time through the FTS project. Indirect Benefits: 1.Increase in international competitiveness and with it, the acquisition of foreign exchange 2.Greater employment opportunities 3.Promotion of regional development. 4.Increase in the production of fish products 5.Redistribution of income among fishermen, fish pond operators, traders, and transporters 6.Setting of appropriate fish prices for consumers as well as for fish producers				
9.CONSULTANT(S)	System Science Consultants	5. TECHNICAL TRANSFER				
10.STUDY TEAM	No. of Members 11 Period Mar.1988-Aug.1989(17 months)	1) Acceptance of trainees 2) Joint work for creation of report 3) Fish Quality Testing System				
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		12.EXPENDITURE		2.MAJOR REASONS FOR PRESENT STATUS		
Survey of the marine products markets Survey of freshness of the marine products		Total	149,277 (¥'000)			
		Contracted	140,635	3.PRINCIPAL SOURCE OF INFORMATION ①, ②, ③, ④		

和名 水産物輸送システム総合計画

(M/P, Basic Study, Other)



# PROJECT SUMMARY (M/P)

Compiled Mar.1991  
Revised Mar.1996

ASE PHL/A 105/89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS 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 Project	2. PROJECT COST	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; text-align: center;">(US\$1,000)</td> <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> </tr> <tr> <td></td> <td style="text-align: center;">1)</td> <td style="text-align: center;">265,000</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">2)</td> <td></td> <td></td> <td></td> </tr> </table>		(US\$1,000)		Total Cost	Local Cost	Foreign Cost		1)	265,000				2)				(Description) Of the proposed 230 projects, 39 were selected and approved for an OECF loan.  Jan.1988 OECF L/A signed (Small Reservoirs Development 3,193 million yen, of which 958 million yen for local cost component)  (FY1993 Overseas Survey) (1) Out of the 39 selected projects, 11 were not implemented due to various reasons: 1) security problem (project located in Muslim area) 2) overlapping of irrigable service areas with existing NIA projects 3) unresolved right-of-way problems 4) economic non-viability due to high cost of foundation and access road required. (2) Presently, out of the 25 projects, 10 are under construction, 2 are awaiting concurrence of contract documents by OECF, 2 are for tendering, 10 are under Tender evaluation by the DPWH-PBAC and 1 for approval of bid drawings by the BOD, DPWH. Selection criteria developed in Master Plan Study were used and will be used by the DPWH in the formulation of the program for SWIM projects.  (FY1994 Domestic Survey) In Nov. 1994, out of 25 projects, 22 are under construction and 3 are awaiting Concurrence of contract documents by OECF.  (FY1995 Domestic Survey) No additional information.	
(US\$1,000)		Total Cost	Local Cost	Foreign Cost																	
	1)	265,000																			
	2)																				
3. SECTOR	Agriculture/Irrigation, Drainage & Reclamation	3. CONTENTS OF MAJOR PROJECT(S)	The implementation program of the Small Water Impounding Management (SWIM) Projects was prepared for the next ten years period from 1991 to 2000, according to the following procedure: (1) Total candidate projects has been 501 of which 230 projects were qualified for implementation in light with the selection criteria, i.e. those projects should be of multi-purpose, have impoundment, with dam height of not more than 30 meters, with reservoir capacity of not more than 50 MCM, etc.) and with the availability of existing studies. (2) The 230 qualified projects were prioritized in accordance with the criteria in which the technical, economic and social/environmental aspects were included, and with other factors. Considering the other factors such as economic rate of return, even distribution over the country, etc., an implementation schedule for SWIM projects was prepared. The 118 projects will be implemented within the first five years. (3) The total costs for the SWIM projects are estimated at 6.1 billion pesos, consisting of the implementation of the 230 projects (4.0 billion pesos), identification of new projects (0.1 billion pesos) and price contingency (2.0 billion pesos). Costs for the first five years are estimated at 2.4 billion pesos.																		
4. REFERENCE NO.		4. CONDITIONS AND DEVELOPMENT IMPACTS	The project benefits will be born from irrigation, hydro-power generation, inland fishery and/or water supply. Total annual benefit amount to be born from the 230 projects is estimated at 0.6 billion pesos, of which 0.5 billion is expected to come from irrigation. Overall economic internal rate of return (EIRR) of the 230 projects is calculated at 17.5%, when the irrigation benefit only is considered. The EIRR for first five year is 20.0% while that for second five years is 12.8%. Other socio-economic impacts to be expected are as follows: (1) Flood protection (peak cut of 4,900 m <sup>3</sup> /sec, which is 30% of design flood discharge) (2) Increase in irrigation area (new irrigation area of 28,000 ha which is expected to produce 200,000 tons of paddy) (3) Income increase of beneficiaries (annual incremental income of 14,000 pesos per household) (4) Generation of employment opportunity (3.5 billion man-days) (5) Watershed management effect (45,000 ha will be conserved by constructing check-dams and reforestation)		2. MAJOR REASONS FOR PRESENT STATUS																
5. TYPE OF STUDY	M/P	5. TECHNICAL TRANSFER	Technology transfer to counterparts in the course of the study. Full-time (15 persons), part-time (8 persons).				3. PRINCIPAL SOURCE OF INFORMATION ①, ②														
6. COUNTERPART AGENCY	Department of Public Works and Highways (DPWH)	10. STUDY TEAM	No. of Members 11 Period Aug. 1988-Feb. 1990 (19 months)  <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center;">Total M/M</td> <td style="width: 33%; text-align: center;">Japan</td> <td style="width: 33%; text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">82.41</td> <td style="text-align: center;">25.50</td> <td style="text-align: center;">56.91</td> </tr> </table>		Total M/M	Japan			Field	82.41	25.50	56.91	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY Additional survey on the 96 existing data								
Total M/M	Japan	Field																			
82.41	25.50	56.91																			
7. OBJECTIVES OF STUDY	- Formulation of the M/P for smooth implementation of the project - Preparation of criteria and guidelines for implementation of SWIM project	12. EXPENDITURE	<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;">255,674 (¥000)</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">182,150</td> </tr> </table>				Total	255,674 (¥000)			Contracted	182,150									
		Total	255,674 (¥000)																		
		Contracted	182,150																		

和名 農業用小規模ため池整備計画

(M/P, Basic Study, Other)