

# PROJECT SUMMARY (Other)

ASO PAK/S 601/75

Compiled Mar.1990  
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS													
1.COUNTRY	Pakistan	1.SITE OR AREA	Quasim Port														
2.NAME OF STUDY	Port Muhammad-Bin-Quasim Project (follow-up)	2.PROJECT COST	<table border="1"> <thead> <tr> <th>(US\$1,000)</th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1)</td> <td>59,686</td> <td>32,414</td> <td>27,272</td> </tr> <tr> <td>2)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			(US\$1,000)	Total Cost	Local Cost	Foreign Cost	1)	59,686	32,414	27,272	2)			
(US\$1,000)	Total Cost	Local Cost	Foreign Cost														
1)	59,686	32,414	27,272														
2)																	
3.SECTOR	Transportation/Port	3.CONTENT(S) OF MAJOR PROJECT(S)	<p>In response to the request of the Pakistani Government, the study team explained the results of the study on Quasim Port and offered technical suggestions.</p>														
4.REFERENCE NO.		4.CONDITIONS AND DEVELOPMENT IMPACTS	<p>(Description)</p> <p>(FY 1991 Overseas Survey) 1974-1980 D/D undertaken by consultants of Japan, France, Canada and U.K., and the construction was financed by ADB, U.K., France, Japan etc. and the GOP.</p> <p>1977-1994 Construction undertaken by France, Belgium, Holland, and GOP. Financed by GOP and loans/grants from foreign countries. The project scale was modified.</p>														
5.TYPE OF STUDY	Other																
6.COUNTERPART AGENCY	Quasim Port Authority																
7.OBJECTIVES OF STUDY																	
8.DATE OF S/W	.0	5.TECHNICAL TRANSFER	<p>2.MAJOR REASONS FOR PRESENT STATUS</p>														
9.CONSULTANT(S)	Central Consultant, Inc.																
10.STUDY TEAM	<p>No. of Members 3</p> <p>Period Feb.1976-Mar.1976 (1 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>2.20</td> <td></td> <td>2.20</td> </tr> </tbody> </table>					Total M/M	Japan	Field	2.20		2.20						
Total M/M	Japan					Field											
2.20		2.20															
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY																	
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>Total</td> <td>9,463 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td>3,227</td> </tr> </tbody> </table>			Total	9,463 (¥'000)	Contracted	3,227	3.PRINCIPAL SOURCE OF INFORMATION	①②								
Total	9,463 (¥'000)																
Contracted	3,227																

和名 バンデルカシム港建設計画アフターケア

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

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

Compiled Mar. 1986

Revised Mar. 1993

ASO PAK/S 201A/79

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS	
<b>1.COUNTRY</b>	Pakistan	<b>1.SITE OR AREA</b>	Major parts and shipbuilding yards	<b>1.PRESENT STATUS</b>	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
<b>2.NAME OF STUDY</b>	Shipping & Shipbuilding Development	<b>2.PROJECT COST</b>	Total Cost    Local Cost    Foreign Cost (US\$1,000)              1) 2)	(Description)	
<b>3.SECTOR</b>	Transportation/Marine Transportation & Ships	<b>3.CONTENTES OF MAJOR PROJECT(S)</b>	The study proposed the fleet replacement for the government-owned national shipping line and the improvement of the government-owned shipbuilding yard (KSEW). 1) Shipping 22 obsolete ships (226,800 DWT) will be scrapped during 1980 - 1983 and replaced by 16 new ships (240,000 DWT). 2) Shipbuilding The capacity and operation of KSEW was studied to propose measures for improving productivity. Out of 16 new ships, 4 will be constructed by KSEW.		
<b>4.REFERENCE NO.</b>					
<b>5.TYPE OF STUDY</b>	M/P+ (F/S)				
<b>6.COUNTERPART AGENCY</b>	Ports and Shipping Wing, Ministry of Communications				
<b>7.OBJECTIVES OF STUDY</b>	Development of National Shipbuilding Sector				
<b>8.DATE OF S/W</b>	Mar.1978				
<b>9.CONULTANT(S)</b>	The Shipbuilding Research Centre of Japan	<b>4.CONDITIONS AND DEVELOPMENT IMPACTS</b>	Development impacts: 1. Production increase 2. Saving of foreign currency 3. Increase of employment opportunity 4. Introduction of modern technology 5. Contribution to industrialization		
<b>10.STUDY TEAM</b>	No.of Members    7 Period Aug.1978-Oct.1979(14 months)  <div style="display: flex; justify-content: space-around;"> <span>Total M/M</span> <span>Japan</span> <span>Field</span> </div> <div style="display: flex; justify-content: space-around;"> <span>16.55</span> <span>10.00</span> <span>6.55</span> </div>				
<b>11.ASSOCIATED AND/OR SUBCONTRACTED STUDY</b>					
<b>12.EXPENDITURE</b>	Total                  51,135 (¥'000) Contracted            39,849	<b>5.TECHNICAL TRANSFER</b>			
		<b>2.MAJOR REASONS FOR PRESENT STATUS</b>			
		Due to the high urgency			
		<b>3.PRINCIPAL SOURCE OF INFORMATION</b>			
		①②			

和名 海運・造船振興計画

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

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

Compiled Mar.1986  
Revised Mar.1993

ASO PAK/S 201B/79

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																					
1.COUNTRY	Pakistan	1.SITE OR AREA	Karachi																						
2.NAME OF STUDY	Shipping & Shipbuilding Development	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>226,201</td> <td>14,000</td> <td>212,201</td> </tr> <tr> <td>1)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2)</td> <td>750</td> <td></td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	226,201	14,000	212,201	1)				2)	750			3)			
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(US\$1,000)	226,201	14,000	212,201																						
1)																									
2)	750																								
3)																									
3.SECTOR	Transportation/Marine Transportation & Ships	3.CONTENTES OF MAJOR PROJECT(S)	<p>1) Shipping Construction of 16 multi-purpose vessels (15,000 DWT) (4 vessels to be built at KSEW)</p> <p>2) Shipbuilding Purchase of necessary equipment, overseas manpower training, technical assistance by experts</p>																						
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2)</td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td>FIRR3)</td> </tr> </tbody> </table> <p>20.10</p>			Feasibility:	EIRR1)	FIRR1)	Yes	EIRR2)	FIRR2)		EIRR3)	FIRR3)											
Feasibility:	EIRR1)	FIRR1)																							
Yes	EIRR2)	FIRR2)																							
	EIRR3)	FIRR3)																							
5.TYPE OF STUDY	(M/P)+F/S	Conditions and Development Impacts:	<p>Conditions: 1) Operation of 16 new ships; 2) investment of US\$226.2 million distributed over 5 years (1979-83); 3) the construction of 16 ships to be completed during the same period; 4) annual tariff revenue of US\$14.17 million per ship; 5) 70% of the investment cost to be repaid at the interest rate of 8.5% per annum, and the remaining 30% at the rate of 10.5%, over 7 years; project life of 20 years; and the rate of inflation at 8% per annum.</p> <p>Development impacts: Shipping: 1) 16 new ships will earn US\$300 million in foreign exchange; and 2) improvement of distribution and price stabilization; Shipbuilding: 1) increase of production at KSEW (from US\$6.4 million in 1975/76 to 44.76 million in 1982/83); 2) saving of foreign exchange (12 million); 3) creation of employment (800 skilled workers during 8 years); and 4) enhancement of the level of KSEW technology.</p>																						
6.COUNTERPART AGENCY	Ports and Shipping Wing, Ministry of Communication	5.TECHNICAL TRANSFER	O/T																						
7.OBJECTIVES OF STUDY	Development of National Shipbuilding Sector																								
8.DATE OF S/W	Mar.1978																								
9.CONSULTANT(S)	The Shipbuilding Research Centre of Japan																								
10.STUDY TEAM	<p>No.of Members 6</p> <p>Period Aug.1978-Oct.1979(14 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>16.55</td> <td>10.00</td> <td>6.55</td> </tr> </tbody> </table>	Total M/M	Japan	Field	16.55	10.00	6.55	<p>2.MAJOR REASONS FOR PRESENT STATUS</p>																	
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16.55	10.00	6.55																							
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	None		<p>3.PRINCIPAL SOURCE OF INFORMATION</p> <p>①②④</p>																						
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>51,135 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>39,849</td> </tr> </tbody> </table>		51,135 (¥'000)	Total		Contracted	39,849																		
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和名 海運・造船振興計画

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

# PROJECT SUMMARY (F/S)

ASO PAK/S 301/80

Compiled Mar.1986  
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT															
1.COUNTRY	Pakistan	1.SITE OR AREA	West side of Makran Coast/ South of Baluchistan																
2.NAME OF STUDY	Construction Project of a Mini-Port in Gwadar	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>22,500</td> <td>3,610</td> <td></td> </tr> <tr> <td>(US\$1=RS10)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	22,500	3,610		(US\$1=RS10)					
	Total Cost	Local Cost	Foreign Cost																
(US\$1,000)	22,500	3,610																	
(US\$1=RS10)																			
3.SECTOR	Transportation/Port	3.CONTENTS OF MAJOR PROJECT(S)	<table border="1"> <thead> <tr> <th>Item</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>Breakwater</td> <td>1,030m</td> </tr> <tr> <td>Quay -1.5m</td> <td>200m</td> </tr> <tr> <td>-3.0m</td> <td>740m</td> </tr> <tr> <td>Ice, freezing and refrigeration Plant</td> <td>1 unit</td> </tr> <tr> <td>Refrigeration vessel</td> <td>1 unit</td> </tr> <tr> <td>Revetment</td> <td>500m</td> </tr> </tbody> </table>			Item	Quantity	Breakwater	1,030m	Quay -1.5m	200m	-3.0m	740m	Ice, freezing and refrigeration Plant	1 unit	Refrigeration vessel	1 unit	Revetment	500m
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4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>3.80</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2)</td> <td></td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> </tr> </tbody> </table>			Feasibility:	EIRR1)	3.80	FIRR1)	Yes	EIRR2)		FIRR2)		EIRR3)		FIRR3)		
Feasibility:	EIRR1)	3.80	FIRR1)																
Yes	EIRR2)		FIRR2)																
	EIRR3)		FIRR3)																
5.TYPE OF STUDY	F/S	Conditions and Development Impacts:	<p>Basic condition:</p> <p>(1) Fishing resources in Off-shore Baluchistan are estimated at 400,000tons per year</p> <p>(2) Population of Gwadar in 2000 is estimated at 80,000</p> <p>(3) Increase rate of Baluchistan's GDP 1978-83 is 4.64% and 6.23% until 2000.</p> <p>(4) Population was estimated to increase during 1977-83: 1.35 times</p> <p>84-90: 1.91 times, 91-2000: 3.16 times</p> <p>Development Impacts:</p> <p>(1) Increased fish catch</p> <p>(2) Increased foreign exchange earning by fish exports</p> <p>(3) Increased supply of basic goods through berthing of domestic vessels</p>																
6.COUNTERPART AGENCY	Port and Shipping Wing Ministry of Communication	5.technical transfer	Study team carried out on the job trainings to counterpart for theory of natural condition survey and port planning																
7.OBJECTIVES OF STUDY	Planning a mini-port capable of functioning as a fishing port																		
8.DATE OF S/W	Sep.1978																		
9.CONSULTANT(S)	Overseas Coastal Area Development Institute of Japan Kiso-Jiban Consultants Co., Ltd.																		
10.STUDY TEAM	<p>No.of Members 16</p> <p>Period Sep.1978-Mar.1980 (19 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>72.47</td> <td>56.10</td> <td>16.37</td> </tr> </tbody> </table>	Total M/M	Japan	Field	72.47	56.10	16.37												
Total M/M	Japan	Field																	
72.47	56.10	16.37																	
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Soil condition survey A&I, 630																		
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>Total</th> <th>182,029 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Contracted</td> <td>184,340</td> <td></td> </tr> </tbody> </table>		Total	182,029 (¥'000)	Contracted	184,340													
	Total	182,029 (¥'000)																	
Contracted	184,340																		
		<p>1.PRESENT STATUS</p> <p> <input checked="" type="checkbox"/> Completed or in Progress    <input type="checkbox"/> Promoting  <input type="checkbox"/> Completed    <input type="checkbox"/> Delayed or Suspended  <input type="checkbox"/> Processing    <input type="checkbox"/> Discontinued or Cancelled         </p>																	
		<p>(Description)</p> <p>(FY1991 Overseas Survey) 1985-1988 D/D by Belgium Government, etc. 1988 Loan from Belgium Government: BEC 485, 89 Buyers Credit from Consortium Bank: BEC 841, 77 1988-1992 Construction</p> <p>(FY1992 Overseas Survey) The above D/D has been continued during 1988 and 1992 (a loan from Belgian government). The construction started in October 1988, and is scheduled to be completed in October 1993.</p>																	
		<p>2.MAJOR REASONS FOR PRESENT STATUS</p>																	
		<p>3.PRINCIPAL SOURCE OF INFORMATION</p> <p>①②</p>																	

和名 グアダル・ミニポート開発計画

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

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

Compiled Mar.1986  
Revised Mar.1992

ASO PAK/S 202A/81

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS							
1.COUNTRY	Pakistan	1.SITE OR AREA	Karachi	1.PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued						
2.NAME OF STUDY	Introduction of Containerization	2.PROJECT COST	Total Cost    Local Cost    Foreign Cost (US\$1,000)    1)    218,490    81,893 (US\$1=210Yen=9.9Rp)    2)	(Description) Feasibility study on the introduction of containerization was subsequently undertaken.							
3.SECTOR	Transportation/Port	3.CONTENT(S) OF MAJOR PROJECT(S)	Select and compare two ports, Karachi port and Qasim port, as container terminal. Set up an inland CFS in Lahore. (Main works) Long-term project: Container terminal: 6 berth (New construction) Inland CFS: 50 ha Urgent improvement plan: Container terminal: 2 berth (Qasim) Inland CFS: 30 ha (Lahore), Railway transport								
4.REFERENCE NO.		4.CONDITIONS AND DEVELOPMENT IMPACTS	There is a tendency to increase containerization in the world. It is possible for Karachi Port to make efficient the existing cargo handling facilities and deal with the container cargo which is expected to rapidly increase in the near future, and to improve economic activities in Pakistan by implementing this project.								
5.TYPE OF STUDY	M/P+ (F/S)										
6.COUNTERPART AGENCY	Ports and Shipping Wing Ministry of Communication	7.OBJECTIVES OF STUDY	Preparation of long-term project and short-term development plan of container terminal	2.MAJOR REASONS FOR PRESENT STATUS							
8.DATE OF S/W	Jul.1980	9.CONULTANT(S)	Overseas Coastal Area Development Institute of Ja								
10.STUDY TEAM	No. of Members    10 Period    Nov.1980-Mar.1982 (16 months)  <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>67.40</td> <td>49.60</td> <td>17.80</td> </tr> </tbody> </table>	Total M/M	Japan	Field	67.40	49.60	17.80	11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		3.PRINCIPAL SOURCE OF INFORMATION	
Total M/M	Japan	Field									
67.40	49.60	17.80									
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>Total</td> <td>142,298 (¥000)</td> </tr> <tr> <td>Contracted</td> <td>134,266</td> </tr> </tbody> </table>			Total	142,298 (¥000)	Contracted	134,266	5. TECHNICAL TRANSFER	Counterpart training (4 persons) Instruction on method of port planning and feasibility study		
Total	142,298 (¥000)										
Contracted	134,266										

和名 コンテナ輸送導入計画

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

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

ASO PAK/S 202B/81

Compiled Mar.1986  
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																	
1.COUNTRY	Pakistan	1.SITE OR AREA	Karachi																		
2.NAME OF STUDY	Introduction of Containerization	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1) (US\$1,000)</td> <td>115,472</td> <td>43,299</td> <td></td> </tr> <tr> <td>2)</td> <td>103,018</td> <td>38,594</td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	1) (US\$1,000)	115,472	43,299		2)	103,018	38,594		3)			
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3.SECTOR	Transportation/Port	3.CONTENTES OF MAJOR PROJECT(S)	<p>Urgent Improvement Plan</p> <table border="1"> <thead> <tr> <th></th> <th>Karachi</th> <th>Qasim</th> </tr> </thead> <tbody> <tr> <td>Container berth</td> <td>600m</td> <td>600m</td> </tr> <tr> <td>Container Terminal</td> <td>282,400sq.m</td> <td>282,400sq.m</td> </tr> <tr> <td>Railway</td> <td>11,700m</td> <td>5,500m</td> </tr> <tr> <td>Roads</td> <td>4,700m</td> <td>2,500m</td> </tr> </tbody> </table>				Karachi	Qasim	Container berth	600m	600m	Container Terminal	282,400sq.m	282,400sq.m	Railway	11,700m	5,500m	Roads	4,700m	2,500m	
	Karachi	Qasim																			
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4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>14.30</th> <th>FIRR1)</th> <th>11.20</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2)</td> <td>12.20</td> <td>FIRR2)</td> <td></td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> <td></td> </tr> </tbody> </table>			Feasibility:	EIRR1)	14.30	FIRR1)	11.20	Yes	EIRR2)	12.20	FIRR2)			EIRR3)		FIRR3)		
Feasibility:	EIRR1)	14.30	FIRR1)	11.20																	
Yes	EIRR2)	12.20	FIRR2)																		
	EIRR3)		FIRR3)																		
5.TYPE OF STUDY	(M/P) + F/S	Conditions and Development Impacts:	<p>Conditions: Container cargo volume is predicted based on the feasibility study in 1978 and 1980 by import/export, cargo items and sea route. It is assumed that tariff is raised by 25% according to a financial analysis.</p> <p>Development Impact: It is possible for Karachi Port to make efficient the existing cargo handling facilities and deal with the container cargo which is expected to rapidly increase in the near future, and to raise economic activities in Pakistan by implementing this project.</p>																		
6.COUNTERPART AGENCY	Ports and Shipping Wing, Ministry of Communication	5.technical transfer	<p>Counterpart training (4 persons) Instruction on method of port planning and feasibility study</p>																		
7.OBJECTIVES OF STUDY	Preparation of long-term project and short-term development plan of container terminal	12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>Total</th> <th>142,298 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Contracted</td> <td>134,266</td> <td></td> </tr> </tbody> </table>				Total	142,298 (¥'000)	Contracted	134,266											
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9.CONSULTANT(S)	Overseas Coastal Area Development Institute of Ja	2.MAJOR REASONS FOR PRESENT STATUS																			
10.STUDY TEAM	<p>No.of Members 10</p> <p>Period Nov.1980-Mar.1982 (16 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>67.40</td> <td>49.60</td> <td>17.80</td> </tr> </tbody> </table>	Total M/M	Japan	Field	67.40	49.60	17.80	3.PRINCIPAL SOURCE OF INFORMATION	①②												
Total M/M	Japan	Field																			
67.40	49.60	17.80																			
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY																					

和名 コンテナ輸送導入計画

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

# PROJECT SUMMARY (F/S)

ASO PAK/A 301/82

Compiled Mar.1990  
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																					
1.COUNTRY	Pakistan	1.SITE OR AREA	Kachhi Plain, Baluchistan Province (Head of Indus River) Area 250,000 sq.m																						
2.NAME OF STUDY	Agricultural Development Project with Widening of Pat Feeder Canal	2.PROJECT COST	<table border="1"> <thead> <tr> <th>(US\$1,000)</th> <th>1)</th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td></td> <td>1)</td> <td>193,810</td> <td></td> <td></td> </tr> <tr> <td></td> <td>2)</td> <td>172,000</td> <td></td> <td></td> </tr> <tr> <td></td> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost		1)	193,810				2)	172,000				3)			
(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost																					
	1)	193,810																							
	2)	172,000																							
	3)																								
3.SECTOR	Agriculture/Irrigation, Drainage & Reclamation	3.CONTENT OF MAJOR PROJECT(S)	- Desert Pat Feeder canal : 11.1km Pat Feeder canal : 187.2 km Extension of Distributaries : 375 km Improvement and Construction of related canal structure Construction of minor canal: 1,224km Aerial survey Note: The project cost 1) above is for case 3 and 2) is for case 4.																						
4.REFERENCE NO.		(Description) (FY1992 Overseas Survey) The proposed project is under implementation with ADB and OECF co-financing and the Japanese grant aid. Total investment cost: US\$ 142.6 million Local currency: US\$ 70.83 million Foreign currency: US\$ 71.77 million Jan. 1986 ADB L/A signed (Rs.3,067 million) Sep. 1987 OECF L/A signed (1,550 million yen) The ADB loan finances the construction of Pat Feeder Canal (extension) and other facilities. 26% of the construction of the main canal is now completed. (Sir MacDonald & Partners Ltd.) The OECF loan was used for the preparation of maps and the purchase of construction equipment and vehicles. The tender was completed in Sept. 1992. The Japanese grant aid was used to establish a pilot farm in the project area. In Feb. 1990, five Japanese experts have been sent in relation to the management of the pilot farm. An addition short-term expert (irrigation and water management) was sent in Oct. 1992. Mar.1988 E/N signed (396 million yen)																							
5.TYPE OF STUDY	F/S																								
6.COUNTERPART AGENCY	Ministry of Economy, Baluchistan Provincial Bureau of Water Power Generation																								
7.OBJECTIVES OF STUDY	Feasibility study on the improvement planning of irrigation and drainage																								
8.DATE OF S/W	Feb.1982	Imp. Period:	Jun.1982-Dec.1982																						
9.CONSULTANT(S)	Sanyu Consultants Inc.	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 16.00 FIRR1) EIRR2) 14.60 FIRR2) EIRR3) FIRR3)																					
10.STUDY TEAM	No.of Members 12 Period Feb.1982-Jan.1983(12 months) <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>47.80</td> <td>28.70</td> <td>19.10</td> </tr> </tbody> </table>	Total M/M	Japan	Field	47.80	28.70	19.10	Conditions and Development Impacts: Conditions: 1) The incremental crop production was calculated as the direct benefit of the project. 2) The 1982 price is the standard price. 3) The price of the tradable goods is calculated from their world price. 4) The prices of the non-tradable goods were converted into the border price equivalents by making use of the conversion factors estimated in this study. 5) Opportunity cost of capital 12.5% Development Impacts: Planting will be done in 60% or 50% of the field in each planting period in the district of 250,000ha. The EIRRs 1) and 2) above are for Case-3 and for Case-4.																	
Total M/M	Japan	Field																							
47.80	28.70	19.10																							
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.technical transfer	In the process of survey and study, technology was transferred to the local counterparts.																						
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>127,562 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>119,996</td> </tr> </tbody> </table>		127,562 (¥'000)	Total		Contracted	119,996	3.PRINCIPAL SOURCE OF INFORMATION ①②③																	
	127,562 (¥'000)																								
Total																									
Contracted	119,996																								

和名 バットフィーダー水路拡張計画

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

## PROJECT SUMMARY (M/P)

ASO PAK/S 101/83

Compiled Mar.1986  
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS	
<b>1.COUNTRY</b>	Pakistan	<b>1.SITE OR AREA</b>	Entire country	<b>1.PRESENT STATUS</b>	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
<b>2.NAME OF STUDY</b>	National Transport Plan	<b>2.PROJECT COST</b>	Total Cost    Local Cost    Foreign Cost (US\$1,000)         1) 2)	(Description)	The master plan was incorporated into the transport sector of the 6th Five-Year Development Plan (1983-88). Feasibility studies were undertaken on major airports (Karachi, Lahore and Islamabad).
<b>3.SECTOR</b>	Transportation/General	<b>3.CONTENTS OF MAJOR PROJECT(S)</b>	The study covered 1) roads and road transportation, 2) railways, 3) ports, 4) shipping, 5) aviation and airports, and 6) other transportation modes. Major proposals are as follows: - Improvement of database on transport and traffic - Improvement and expansion of MTRC - Comprehensive study on inland water ways - Introduction of containerization and related adjustments of transport modes	(FY 1991 Oversea Survey)	No additional information.
<b>4.REFERENCE NO.</b>		<b>4.CONDITIONS AND DEVELOPMENT IMPACTS</b>	Development impacts: The comprehensive transportation development plan will contribute to the realization of the integrated and efficient transport system by reducing the diseconomy of sectionalism in development planning by mode of transportation. The most important point is to establish optimum mix of modes in development planning.		
<b>5.TYPE OF STUDY</b>	M/P	<b>5.TECHNICAL TRANSFER</b>	1. Participation of 3 counterparts in JICA training program 2. OJT	<b>2.MAJOR REASONS FOR PRESENT STATUS</b>	
<b>6.COUNTERPART AGENCY</b>	Planning and Development Division				
<b>7.OBJECTIVES OF STUDY</b>	Formulation of a master plan for nation-wide transport development				
<b>8.DATE OF S/W</b>	Sep.1981				
<b>9.Consultant(s)</b>	Mitsui Knowledge Industry				
<b>10.STUDY TEAM</b>	No.of Members    18 Period Dec.1981-May.1983(18 months)  <div style="display: flex; justify-content: space-around;"> <span>Total M/M</span> <span>Japan</span> <span>Field</span> </div>				
<b>11.ASSOCIATED AND/OR SUBCONTRACTED STUDY</b>					
<b>12.EXPENDITURE</b>	Total                      326,297 (¥'000) Contracted			<b>3.PRINCIPAL SOURCE OF INFORMATION</b>	
				①②	

和名 全国総合交通計画

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



# PROJECT SUMMARY (F/S)

ASO PAK/S 302/83

Compiled Mar.1990  
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																
1.COUNTRY	Pakistan	1.SITE OR AREA	Bara Bandah, Nowshera, Northwest Frontier Province																	
2.NAME OF STUDY	Pakistan Railways Locomotives Manufacturing Factory Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>66,000</td> <td>40,000</td> <td>26,000</td> </tr> <tr> <td>(US\$1=13.8Rs)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	66,000	40,000	26,000	(US\$1=13.8Rs)						
	Total Cost	Local Cost	Foreign Cost																	
(US\$1,000)	66,000	40,000	26,000																	
(US\$1=13.8Rs)																				
3.SECTOR	Transportation/Railway	3.CONTENTES OF MAJOR PROJECT(S)	<p>Construction of a locomotive factory for domestic production of 25 diesel electric locomotives (50 locomotives in future) per year</p> <p>(1) Locomotive introduction plan --- 1,265 locomotives</p> <p>(2) Domestic production plan</p> <p>1st phase(to be completed in one year after the opening of the factory) --- Domestic production ratio, 20%</p> <p>2nd phase(to be completed in 2 to 5 years after the opening) --- 30-35%</p> <p>3rd phase(to be completed in about 10 years after the opening --- 50%</p>																	
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>12.50</th> <th>FIRR1)</th> <th>10.00</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2)</td> <td></td> <td>FIRR2)</td> <td></td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> <td></td> </tr> </tbody> </table>			Feasibility:	EIRR1)	12.50	FIRR1)	10.00	Yes	EIRR2)		FIRR2)			EIRR3)		FIRR3)	
Feasibility:	EIRR1)	12.50	FIRR1)	10.00																
Yes	EIRR2)		FIRR2)																	
	EIRR3)		FIRR3)																	
5.TYPE OF STUDY	F/S	Conditions and Development Impacts:		<p>(Description)</p> <p>It was decided to implement the project in accordance with the recommendations of the study team, and the work started with OECF loans.</p> <p>Feb.1984 OECF loan agreement on the locomotive plant (9,760 million yen)</p> <p>May 1984 Consulting service agreement signed</p> <p>July 1984 Consulting service started</p> <p>1985 D/D completed</p> <p>1989 Evaluation of tenders completed</p> <p>Feb.1990 Construction started</p> <p>Feb.1991 Installation of equipment started</p> <p>(FY1992 Overseas Survey)</p> <p>Construction is scheduled to be completed in December 1993.</p>																
6.COUNTERPART AGENCY	Ministry of Railways, the Government of Pakistan	10.STUDY TEAM		2.MAJOR REASONS FOR PRESENT STATUS																
7.OBJECTIVES OF STUDY	Transport demand forecast and calculation of the necessary number of locomotives, and F/S and basic design for constructing a locomotive manufacturing factory	<p>No. of Members 12</p> <p>Period Mar.1982-May.1983(14 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>74.44</td> <td>59.70</td> <td>14.74</td> </tr> </tbody> </table>		Total M/M	Japan	Field	74.44	59.70	14.74											
Total M/M	Japan	Field																		
74.44	59.70	14.74																		
8.DATE OF S/W	Mar.1982	11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		3.PRINCIPAL SOURCE OF INFORMATION																
9.CONSULTANT(S)	Japan Railway Technical Service	5.technical transfer		①②④																
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>Total</th> <th>168,180 (¥000)</th> </tr> </thead> <tbody> <tr> <td>Contracted</td> <td>143,335</td> <td></td> </tr> </tbody> </table>		Total	168,180 (¥000)	Contracted	143,335		Two counterparts received training in Japan from JICA under the Colombo Plan.												
	Total	168,180 (¥000)																		
Contracted	143,335																			

和名 国鉄機関車供給計画

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

# PROJECT SUMMARY (F/S)

ASO PAK/S 303/84

Compiled Mar.1988  
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																	
1.COUNTRY	Pakistan	1.SITE OR AREA	Islamabad City ,Rawalpindi City																		
2.NAME OF STUDY	Conduction of Water from Khanpur to Islamabad/Rawalpindi	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1) (US\$1,000)</td> <td>113,235</td> <td>66,435</td> <td>46,800</td> </tr> <tr> <td>2)</td> <td>32,824</td> <td>19,406</td> <td>13,418</td> </tr> <tr> <td>3)</td> <td>24,529</td> <td>15,835</td> <td>8,694</td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	1) (US\$1,000)	113,235	66,435	46,800	2)	32,824	19,406	13,418	3)	24,529	15,835	8,694
	Total Cost	Local Cost	Foreign Cost																		
1) (US\$1,000)	113,235	66,435	46,800																		
2)	32,824	19,406	13,418																		
3)	24,529	15,835	8,694																		
3.SECTOR	Public Utilities/Water Supply	3.CONTENT'S OF MAJOR PROJECT(S)	<p>Equipment &amp; Scale</p> <p>Ran Water Conveyance Intake Tower: 6.74cu.m/sec</p> <p>Facility Aquaduct : 13.1km</p> <p>Water Filtration Max.Capacity 522,000cu.m/day</p> <p>Plant</p> <p>Distribution Main Line 700mm-1.5km(2 lines)</p> <p>1.500mm-1.6km</p> <p>1.500mm-6.5km(2 lines)</p> <p>Distribution Pond 13,000cu.m,PC Type X 2</p> <p>16,000cu.m,PC Type x 1</p> <p>Note: The a/m costs are 1) for Phase I, 2) for Phase II and 3) for Phase III.</p>																		
4.REFERENCE NO.		<p>(Description)</p> <p>Oct.1987 Request for Yen Credit from Pakistan Government</p> <p>Mar.1989 OECF loan agreement (12,518 million yen)</p> <p>As of September 1991 Under procedures of pre-qualification of contractors</p> <p>(FY1991 Overseas Survey)</p> <p>Mar.1990 - Feb.1991 D/D undertaken</p> <p>(FY1992 Overseas Survey)</p> <p>Although the OECF loan is already available, the source of the domestic fund (Rs. 1,870 mil.) has not yet been identified. Presently the Federal government is studying the funding possibilities. However in order for the project to start, funding from the State government would also be required.</p>																			
5.TYPE OF STUDY	F/S																				
6.COUNTERPART AGENCY	Capital Development Authority (CDA)																				
7.OBJECTIVES OF STUDY	Study on the establishment of stable water supply system in Capital Area																				
8.DATE OF S/W	Dec.1983	Imp. Period:	.1985-.1992	.1992-.1995	.1996-.2000																
9.CONSULTANT(S)	Sanyu Consultants Inc. Nihon Suido Consultants Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 6.20 EIRR2) EIRR3)	FIRR1) 6.60 FIRR2) FIRR3)																
10.STUDY TEAM	No.of Members 9 Period Jul.1984-Mar.1985(9 months)	<p>Conditions and Development Impacts:</p> <p>Prior conditions: EIRR FIRR</p> <p>(1) Recovery Period 24 years 36 years</p> <p>(2) Discount Rate 0 % 0 %</p> <p>Benefit(Rp.million) 19,858 27,260</p> <p>Cost ( " ) 6,410 17,040</p> <p>Net Current Value(") 13,248 10,219</p> <p>Benefit Cost Ratio 3.07% 1.60%</p> <p>Development Impacts:</p> <p>Supply of city water (Average 420,000T/day. Max. 523,600T/day)to 2 cities of Islamabad and Rawalpindi.</p> <p>(Target of completion: year 2000)</p> <p>The whole projects is divided into 3 phases and scheduled to take 15 years between 1985 and 2000.</p>																			
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.technical transfer																			
12.EXPENDITURE		3.PRINCIPAL SOURCE OF INFORMATION																			
<table border="1"> <thead> <tr> <th></th> <th>Total</th> <th>Contracted</th> </tr> </thead> <tbody> <tr> <td></td> <td>170,231 (¥'000)</td> <td>166,887</td> </tr> </tbody> </table>			Total	Contracted		170,231 (¥'000)	166,887	<p>②④</p>													
	Total	Contracted																			
	170,231 (¥'000)	166,887																			

和名 カンブールダム・イスラマバード・ラワルピンディ導水計画

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

# PROJECT SUMMARY (M/P)

ASO PAK/A 101/85

Compiled Mar.1990  
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS	
1.COUNTRY	Pakistan	1.SITE OR AREA	Islamabad capital territory (rural area: 59,500ha)	1.PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2.NAME OF STUDY	Integrated Rural Development Project	2.PROJECT COST	Total Cost Local Cost Foreign Cost (US\$1,000) 1) 210,925 US\$1=215Yen in 1985 2)	(Description)	
3.SECTOR	Agriculture/General	3.CONTENTES OF MAJOR PROJECT(S)	(1) Model Integrated Rural Area Development (MIRAD) Project The project is located in rural area of Islamabad capital district. The project components include water supply by way of groundwater, small scale irrigation, road construction (35km), construction of agricultural machinery stations (10 units) and agricultural development stations (6 units). (2) Upper Kurang Irrigation Project (UKIP) The project is located in rural area of Islamabad capital district. Water source will be from the surface water of the Kurang river which runs through the central part of the capital district, and from groundwater to be tapped in the southern part of the project area. The irrigation area will be approximately 6,300ha in total.	(1) Basic design for MIRAD was done in 1988 (Nippon Giken). This was followed by detailed design, and construction in 1989. (2) Feasibility study for UKIP was done in 1988 (FY 1991 Overseas Survey) No additional information. (FY 1992 Overseas Survey) 1989 Grant Aid (1,858 mil. yen) : MIRAD-I 1990 Grant Aid (1,254 mil. yen) : MIRAD-II - The content of the grant aid is as follows: construction of two irrigation dams, three deep wells, 16 waterworks and drainage facilities, improvement of roads (16km), two rural development centers, provision of agricultural machines and automobiles - A detachment of two experts has been requested: an expert was dispatched in November 1992 (irrigation technology). the other (an expert in agricultural technology) has not yet been dispatched. - The c/p has a further request for technical assistance in maintenance and management of the facilities	
4.REFERENCE NO.		4.CONDITIONS AND DEVELOPMENT IMPACTS	1. Increase of agricultural production (increase of food crops production by way of irrigation project and increase in livestock production) 2. Increase of farmers' income (increase in farmers' income as a result of increased production as well as increased employment opportunities) 3. Increase of employment opportunities (increase in overall employment opportunities due to intensive utilization of land resources for agriculture as well as non-agriculture uses) 4. Upgrading of living standards (improvement of living standards of rural population due to increased agricultural production and increased employment opportunities) 5. Environmental improvement (environmental improvement as a result of soil conservation schemes including reforestation, grassland development vegetation protection, etc.)	2.MAJOR REASONS FOR PRESENT STATUS	
5.TYPE OF STUDY	M/P	5.technical transfer	(1) Training in Japan (2 persons) (2) OJT	3.PRINCIPAL SOURCE OF INFORMATION	
6.COUNTERPART AGENCY	Ministry of Local Government and Rural Development, Capital Development Authority (CDA)	10.STUDY TEAM	No.of Members 16 Period Feb.1985-Mar.1986(14 months) Total M/M Japan Field 72.06 47.70	123	
7.OBJECTIVES OF STUDY	Integrated rural development in Islamabad capital territory	11.ASSOCIATED AND/OR SUBCONTRACTED STUDY			
8.DATE OF S/W	Nov.1984	12.EXPENDITURE	Total 212,498 (¥'000) Contracted 195,893		
9.CONSULTANT(S)	Chuo Kaihatsu International Corp. Nippon Giken Inc. Japan Engineering Consultants Co., Ltd.				

和名 農村総合開発計画

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

# PROJECT SUMMARY (M/P)

ASO PAK/A 102/86

Compiled Mar.1990  
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS						
1.COUNTRY	Pakistan	1.SITE OR AREA	Punjab, Sind		1.PRESENT STATUS  <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued					
2.NAME OF STUDY	Paddy/Rice Handling and Processing Improvement Project	2.PROJECT COST	Total Cost Local Cost Foreign Cost (US\$1,000) 1) 569,346 US\$1=154Yen in Aug.1986, Rs1 2)							
3.SECTOR	Agriculture/Agricultural Processing	3.CONTENTES OF MAJOR PROJECT(S)	1. Direct rental operation of harvesting machines to the farmers for the harvest of rice and wheat crops. 2. Rental operation of rubber-roll husker to the collaborating rice mills. 3. Production of edible oil from rice bran through processing facility and relevant technology from which highly sophisticated use of the rice bran is much improved. In addition, the facility can be used for other local oil seeds and will increase efficiency of oil extraction then ultimately will save oil importation and foreign currency be involved. 4. Establishment of facilities for improving and developing postharvest technology in order to meet the farmers' request as well as requirement, necessary test and adjustment shall be made for the relevant postharvest machinery. At the same time necessary training for the handling and operation of the said machinery for the farmers is also implemented for the reasonable use of the by-products of the agricultural produce concerned together with the required implementation of the facility and machinery to go with.							
4.REFERENCE NO.		4.CONDITIONS AND DEVELOPMENT IMPACTS	Development Impacts: 1.Minimizing qualitative and quantitative losses of rice which occurred at each stage of postharvest operation 2.Supplying higher quality rice at low cost to both domestic and foreign markets 3.Increasing the income of farmers by rationalizing their farming practice and increases the foreign currency through the export concerned.							
5.TYPE OF STUDY	M/P									
6.COUNTERPART AGENCY	Ministry of Food and Agriculture									
7.OBJECTIVES OF STUDY	Improvement of postharvest practice of rice									
8.DATE OF S/W	Mar.1985									
9.CONSULTANT(S)	Overseas Merchandise Inspection Co., Ltd. Nihon Keel Co., Ltd. System Science Consultants									
10.STUDY TEAM	No.of Members 13 Period Jul.1985-Aug.1986(14 months)  <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>50.15</td> <td>16.18</td> <td>33.97</td> </tr> </tbody> </table>	Total M/M	Japan	Field	50.15	16.18	33.97			
Total M/M	Japan	Field								
50.15	16.18	33.97								
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY										
12.EXPENDITURE	<table border="1"> <thead> <tr> <th>Total</th> <th>160,150 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Contracted</td> <td>142,126</td> </tr> </tbody> </table>	Total	160,150 (¥'000)	Contracted	142,126	5.TECHNICAL TRANSFER				
Total	160,150 (¥'000)									
Contracted	142,126									
		2.MAJOR REASONS FOR PRESENT STATUS	"Facilities Improvement Project for Export Rice" was positively discussed during this survey. However, it was not materialized because RECP is under Ministry of Commerce and the executing agency for this project is Ministry of Food & Agriculture.							
		3.PRINCIPAL SOURCE OF INFORMATION	①②③							

和名 米穀収獲後処理法改善計画

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

## PROJECT SUMMARY (F/S)

Compiled Mar. 1990  
Revised Mar. 1993

ASO PAK/A 302/86

[illegible]

和名 バルチスタン州地下水かんがい開発計画

$$\{F/S, (M/P) + F/S, D/D\}$$

## PROJECT SUMMARY (M/P)

Compiled Mar. 1990  
Revised Mar. 1992

ASO PAK/S 103/87

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS	
<b>1.COUNTRY</b>	Pakistan	<b>1.SITE OR AREA</b>	Pakistan(whole country)	<b>1.PRESENT STATUS</b>	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
<b>2.NAME OF STUDY</b>	National Transport Plan(follow-up)	<b>2.PROJECT COST</b>	Total Cost    Local Cost    Foreign Cost (US\$1,000)                  1) 2)	<b>(Description)</b>  "Indus Highway Technical and Economic F/S" and D/D were conducted by a Pakistan consulting firm. Financed by OECF loan, Phase I construction is under way. Phase II construction is scheduled to begin before long. The JICA study (M/P) was completed on Lahore urban transport system in Oct.1991.  {FY1991 Overseas Survey} No additional information.	
<b>3.SECTOR</b>	Transportation/General	<b>3.CONTENTES OF MAJOR PROJECT(S)</b>	Improvement of Indus Highway Study on domestic air transportation Basic study on electrification of realized Transit study for Lahore F/S on construction of container berth in Karachi Port		
<b>4.REFERENCE NO.</b>					
<b>5.TYPE OF STUDY</b>	M/P				
<b>6.COUNTERPART AGENCY</b>	Planning Commission, Transport and Communications Section				
<b>7.OBJECTIVES OF STUDY</b>	Integral transportation plan				
<b>8.DATE OF S/W</b>	Nov.1986	<b>4.CONDITIONS AND DEVELOPMENT IMPACTS</b>	Realistic objectives were set and recommendations were made taking into account the existing situation of the transportation sector,possibility of securing adequate budget, and capabilities to implement plans. This is the basic policy of the Seventh Five-year Development Plan (87/88 - 92/93)		
<b>9 CONSULTANT(S)</b>	Pacific Consultants International ALMEC Corporation Japan Railway Technical Service Overseas Coastal Area Development Institute of Ja				
<b>10.STUDY TEAM</b>	No.of Members      15 Period Jan.1987-Mar.1988(15 months)  Total M/M                  Japan                  Field 60.66                  29.62                  31.04				
<b>11.ASSOCIATED AND/OR SUBCONTRACTED STUDY</b>					
<b>12.EXPENDITURE</b>	Total                  285,090 (¥'000) Contracted                  274,030	<b>5.TECHNICAL TRANSFER</b>	(1) JNT Computer use (2) Training in Japan: 2 persons (urban and regional transportation systems, role of government transportation offices)		
			<b>2.MAJOR REASONS FOR PRESENT STATUS</b>		
			<b>3.PRINCIPAL SOURCE OF INFORMATION</b>		
			①②		

和名 全国総合交通計画 (アフターケア)

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

# PROJECT SUMMARY (M/P)

ASO PAK/S 102/87

Compiled Mar.1990  
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS																	
1.COUNTRY	Pakistan	1.SITE OR AREA	Capital Area (the Province of Punjab)		1.PRESENT STATUS																
2.NAME OF STUDY	Water Resources Development Potential for the Metropolitan Area of Islamabad/Rawalpindi	2.PROJECT COST	<table border="1"> <thead> <tr> <th>(US\$1,000)</th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1) 970,588</td> <td>533,823</td> <td>436,765</td> <td></td> </tr> <tr> <td>2) (US\$1=17.0Rs)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		(US\$1,000)	Total Cost	Local Cost	Foreign Cost	1) 970,588	533,823	436,765		2) (US\$1=17.0Rs)				<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued				
(US\$1,000)	Total Cost	Local Cost	Foreign Cost																		
1) 970,588	533,823	436,765																			
2) (US\$1=17.0Rs)																					
3.SECTOR	Social Infrastructures/Water Resource Development	3.CONTENTES OF MAJOR PROJECT(S)	<p>The Study proposed the improvement of the control system for 3 existing dams (Rawal, Simly &amp; Khanpur) and the construction of 5 new dams (Haro, Dor &amp; Soan Rivers) to realize the effective utilization of water sources.</p> <p>1. Projects proposed for the target year of 2000</p> <p>1) Construction of water conveyance facilities from Khanpur (to be completed in 1991)</p> <p>2) Study and project preparation of Cherah Dam (Soan River) and the start of its construction; and study and project preparation of D----- Dam (S---- River)</p> <p>3) Implementation and completion of the improvements proposed in Islamabad and Rawalpindi</p> <p>2. Projects proposed for the target year of 2010</p> <p>1) Completion of R----- Dam</p> <p>2) Construction of D----- Dam (to be completed in 1997)</p> <p>3. Projects proposed for the target year of 2030</p> <p>1) Study, project preparation and construction of R----- Dam, N----- Weir and Dor water conveyance facilities (to be completed in 2015)</p> <p>2) Study, project preparation and construction of P---- Dam (to be completed in 2019)</p> <p>3) Study, project preparation and construction of D----- Dam (to be completed in 2025)</p>																		
4.REFERENCE NO.		4.CONDITIONS AND DEVELOPMENT IMPACTS	<p>Conditions:</p> <p>1) Population in the capital area of 3,267,000 in 2030, and per capita water demand of 475 liters</p> <p>2) Required water totals 830 MCM per year, including irrigation requirements and the water supply to the airport and industries.</p> <p>Rough estimates of selected water demands in 2030, investment costs and EIRRs are shown below.</p> <table border="1"> <thead> <tr> <th></th> <th>Demand</th> <th>Investment</th> <th>EIRR</th> </tr> </thead> <tbody> <tr> <td>General Urban Water Supply</td> <td>428MCM</td> <td>11,530 mil. Rps</td> <td>3.7%</td> </tr> <tr> <td>Irrigation</td> <td>120</td> <td>1,180</td> <td>8.1</td> </tr> <tr> <td>New Airport</td> <td>2.5</td> <td>14.2</td> <td>16.1</td> </tr> </tbody> </table>				Demand	Investment	EIRR	General Urban Water Supply	428MCM	11,530 mil. Rps	3.7%	Irrigation	120	1,180	8.1	New Airport	2.5	14.2	16.1
	Demand	Investment	EIRR																		
General Urban Water Supply	428MCM	11,530 mil. Rps	3.7%																		
Irrigation	120	1,180	8.1																		
New Airport	2.5	14.2	16.1																		
5.TYPE OF STUDY	M/P		<p>(Description)</p> <p>The project components as described below have been under implementation. The other recommended components will be executed based on the supply and demand balance status for urban water supply in Metropolitan area.</p> <p>1) Conduction of water from Khanpur to Islamabad/Rawalpindi Mar. 1989 OECF loan agreement signed (12.52 billion yen)</p> <p>2) Construction of Simly Dam Mar. 1986 OECF loan agreement signed (5,750 million yen)</p> <p>(FY 1991 Overseas Survey)</p> <p>Rs.13 million was allocated for the F/S of Cherah Dam, but the study was postponed until the completion of the Khanpur irrigation project.</p> <p>Rs.12.87 million was approved in Aug. 1989 for undertaking a study on groundwater resources, and the request was made for the JICA assistance. The request was not accepted because a similar study had already been conducted.</p> <p>(FY 1992 Overseas Survey)</p> <p>No additional information</p>																		
6.COUNTERPART AGENCY	Capital Development Authority		2.MAJOR REASONS FOR PRESENT STATUS																		
7.OBJECTIVES OF STUDY	Investigation into the Possibility of water resource development in capital area																				
8.DATE OF S/W	Aug.1986																				
9.CONSULTANT(S)	Sanyu Consultants Inc. Yachiyo Engineering Co., Ltd.																				
10.STUDY TEAM	<p>No.of Members 11</p> <p>Period Nov.1986-Feb.1988(16 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>80.30</td> <td>25.60</td> <td>54.70</td> </tr> </tbody> </table>	Total M/M	Japan	Field	80.30	25.60	54.70														
Total M/M	Japan	Field																			
80.30	25.60	54.70																			
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Investigation of aquifer by electric research method and related survey	5.technical transfer	<p>(1) Explanation of various analysis methods</p> <p>(2) Training of an engineer in charge of geology in Japan (Analysis of aquifer by means of computer)</p>																		
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>227,291 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>212,954</td> </tr> </tbody> </table>		227,291 (¥'000)	Total		Contracted	212,954		3.PRINCIPAL SOURCE OF INFORMATION												
	227,291 (¥'000)																				
Total																					
Contracted	212,954																				
			①②④																		

和名 首都圏水資源開発基本計画

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

# PROJECT SUMMARY (F/S)

ASO PAK/A 303/88

Compiled Mar.1990  
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																
1. COUNTRY	Pakistan	1. SITE OR AREA	Irrigation development with 6,600 ha irrigable area through water resources development of upper Kurang River																	
2. NAME OF STUDY	Upper Kurang River Irrigation Project	2. PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>76,902</td> <td>38,318</td> <td>38,584</td> </tr> <tr> <td>(US\$1=17.3rupee in 1987)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	76,902	38,318	38,584	(US\$1=17.3rupee in 1987)						
	Total Cost	Local Cost	Foreign Cost																	
(US\$1,000)	76,902	38,318	38,584																	
(US\$1=17.3rupee in 1987)																				
3. SECTOR	Agriculture/General	3. CONTENTS OF MAJOR PROJECT(S)	<p>Water resources: K-2 dam (zone-type fill dam whose height and effective capacity is 53 m and 18.5 MCM, respectively)</p> <p>Canal: Total length of main and branch canals is 130 km</p> <p>On-farm facilities: 6,600 ha</p> <p>Road Network: 18.6 km</p> <p>Agriculture-supporting facilities: Buildings, agricultural machinery, etc.</p>																	
4. REFERENCE NO.		4. FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>13.00</th> <th>FIRR1)</th> <th>12.70</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2)</td> <td></td> <td>FIRR2)</td> <td></td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> <td></td> </tr> </tbody> </table>			Feasibility:	EIRR1)	13.00	FIRR1)	12.70	Yes	EIRR2)		FIRR2)			EIRR3)		FIRR3)	
Feasibility:	EIRR1)	13.00	FIRR1)	12.70																
Yes	EIRR2)		FIRR2)																	
	EIRR3)		FIRR3)																	
5. TYPE OF STUDY	F/S	<p>Conditions and Development Impacts:</p> <p>The water resources development of upper Kurang River, together with effective utilization of irrigation water for rainfed paddy production in the rural areas of Islamabad capital territory, brings about better supply of vegetables, fruit, and daily products which requires quick delivery to the neighboring big markets in the capital territory, and improve/stabilize the regional farm households' economy.</p>																		
6. COUNTERPART AGENCY	Islamabad Capital Territory Administration (ICTA)	<p>1. PRESENT STATUS</p> <p><input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting</p> <p><input type="radio"/> Completed <input checked="" type="radio"/> Delayed or Suspended</p> <p><input type="radio"/> Implementing <input type="checkbox"/> Discontinued or Cancelled</p> <p><input type="radio"/> Processing</p>																		
7. OBJECTIVES OF STUDY	Feasibility study on the irrigated agricultural development in the metropolitan area of Islamabad	<p>(Description)</p> <p>After the completion of F/S study, the Government of Pakistan has decided to suspend the project, because the benefitable area of the project engulfs part of city districts (which is called park areas by the Government of Pakistan).</p> <p>However, Sanyu Consultants Inc. is recently requested by the Government of Pakistan to make a conception paper for the project in order to coordinator among the authorities concerned, and it is submitted in Feb., 1990 to the Government of Pakistan.</p> <p>As of September 1991, federal government is being under consideration due to high water cost compared to similar projects in different sectors.</p> <p>(FY 1991 Overseas Survey)</p> <p>1,359 million yen is desired to be funded from OECF.</p> <p>(FY 1992 Overseas Survey)</p> <p>As the result of social and economic changes such as a population increase and urbanization in the Metropolitan Islamabad area, the opening of nearby road that led to a decrease and higher prices of agricultural land, the implementation of the project needs to be reconsideration. Place a higher priority on the of water supply in the metropolitan area.</p>																		
8. DATE OF S/W	Feb.1988	<p>Imp. Period: Jul.1987-Feb.1988</p>																		
9. CONSULTANT(S)	Sanyu Consultants Inc. Nippon Giken Inc.	<p>2. MAJOR REASONS FOR PRESENT STATUS</p> <p>The higher priority is put on the project in the integrated rural development master plan from 1985 to 1986. However, it may be changed water utilization from irrigation to urban water supply due to project economy and cost recovery.</p> <p>(FY 1992 Overseas Survey)</p> <p>The project is under reconsideration due to a change in priority rankings among the competing projects.</p>																		
10. STUDY TEAM	<p>No. of Members 10</p> <p>Period Aug.1987-Mar.1988 (8 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>50.44</td> <td>19.00</td> <td>31.44</td> </tr> </tbody> </table>	Total M/M	Japan	Field	50.44	19.00	31.44	<p>3. PRINCIPAL SOURCE OF INFORMATION</p> <p>①②③</p>												
Total M/M	Japan	Field																		
50.44	19.00	31.44																		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Rock test/Embankment material test/Physical test for field irrigation soil/Water quality test/Soil analysis	<p>5. TECHNICAL TRANSFER</p> <p>Transfer to government officials in Pakistan and Japan was done.</p>																		
12. EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>173,991 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>155,446</td> </tr> </tbody> </table>		173,991 (¥'000)	Total		Contracted	155,446													
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和名 クラング川上流かんがい開発計画

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



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

ASO PAK/A 201A/89

Compiled Mar.1991  
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS																														
1.COUNTRY	Pakistan	1.SITE OR AREA	Swat Area, NSFP Province		1.PRESENT STATUS  <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued																													
2.NAME OF STUDY	Swat District Integrated Rural Development Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th>(US\$1,000)</th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1)</td> <td>745,380</td> <td>339,575</td> <td>405,805</td> </tr> <tr> <td>2)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			(US\$1,000)	Total Cost	Local Cost	Foreign Cost	1)	745,380	339,575	405,805	2)																				
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1)	745,380	339,575	405,805																															
2)																																		
3.SECTOR	Agriculture/General	3.CONTENTES OF MAJOR PROJECT(S)	<p>(Description)</p> <p>In NWFP this masterplan study is utilized as a guidebook for mountain belt area, and the priority development plan is highly evaluated by the local government and applied as one of the standard.</p> <p>Shangla Par district was selected as the first priority project in the masterplan study area for integrated rural development, for which the local government submitted request letter to the Federal government to apply 1992 Grant-aid from the Japanese Government.</p> <p>(FY 1991 Overseas Survey) The project is integrated into the 7th &amp; 8th Five Year Plans.</p> <p>(FY 1992 Overseas Survey) Out of the proposed project in the master plan, the following projects are in process of implementation:            1) Agricultural supporting service development            2) Construction of model farms            3) Road improvement and construction            4) Water Supply System            The total cost is projected to be Rs. 3.1 mil..</p>																															
4.REFERENCE NO.		<table border="1"> <thead> <tr> <th></th> <th>(1990-1995) Short-Term</th> <th>(1995-2000) Middle-Term</th> <th>(2000-2005) Long-Term</th> </tr> </thead> <tbody> <tr> <td>1.Aqri. Infrastructure Development</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2.Aqri.Supporting Service Development</td> <td>2,200ha</td> <td>280ha</td> <td>320ha</td> </tr> <tr> <td>3.Road improvement</td> <td>387.5km</td> <td>123km</td> <td>23km</td> </tr> <tr> <td>4.Rural Electrification</td> <td>29,000H</td> <td>68,700H</td> <td>116,200H</td> </tr> <tr> <td>5.Water Supply System</td> <td>58,800H</td> <td>70,600H</td> <td>72,600H</td> </tr> <tr> <td>6.Rural Infrastructure Development</td> <td></td> <td></td> <td></td> </tr> <tr> <td>7.Village Community Development</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					(1990-1995) Short-Term	(1995-2000) Middle-Term	(2000-2005) Long-Term	1.Aqri. Infrastructure Development				2.Aqri.Supporting Service Development	2,200ha	280ha	320ha	3.Road improvement	387.5km	123km	23km	4.Rural Electrification	29,000H	68,700H	116,200H	5.Water Supply System	58,800H	70,600H	72,600H	6.Rural Infrastructure Development				7.Village Community Development
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7.Village Community Development																																		
5.TYPE OF STUDY	M/P+ (F/S)	<p>*The project cost 1) above is for the entire schemes. The project costs for the different terms are as follows.            Total Cost: Short 186,050 Middle 216,290, Long 343,040.</p>																																
6.COUNTERPART AGENCY	NWFP, Local Government and Rural Development Department	4.CONDITIONS AND DEVELOPMENT IMPACTS																																
7.OBJECTIVES OF STUDY	Master plan study of the rural development and feasibility study of the selected high priority projects	<p>1.Development strategy            - To increase family income and expansion of employment opportunity            - To emphasize rural area development by the infrastructure consolidation</p> <p>2.Impact of development project.            It is envisaged that expansion of agricultural production, employment opportunity and increased income, grading up living standard, infrastructure developments can be secured by the project executions.</p>																																
8.DATE OF S/W	Apr.1988	2.MAJOR REASONS FOR PRESENT STATUS																																
9.CONSULTANT(S)	Sanyu Consultants Inc. Pacific Consultants International	<p>Japanese Government wants to observe the implementation of agricultural development projects being carried out in and around Islamabad before it makes a decision to proceed.</p>																																
10.STUDY TEAM	<p>No.of Members 9            Period Oct.1988-Dec.1989(15 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>49.77</td> <td>20.59</td> <td>29.18</td> </tr> </tbody> </table>	Total M/M	Japan	Field	49.77	20.59	29.18	3.PRINCIPAL SOURCE OF INFORMATION																										
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11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		①②③																																
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>Total</th> <th>Contracted</th> </tr> </thead> <tbody> <tr> <td></td> <td>165,783 (¥'000)</td> <td>158,592</td> </tr> </tbody> </table>		Total	Contracted		165,783 (¥'000)	158,592	5.technical transfer																										
	Total	Contracted																																
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		On-the-job training for the counterpart staff and training in Japan for the staff of Rural Development Department.																																

和名 スワット地域農村総合開発計画

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

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

ASO PAK/A 201B/89

Compiled Mar.1991  
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																																			
1.COUNTRY	Pakistan	1.SITE OR AREA	Shangla Par District in NWFP																																				
2.NAME OF STUDY	Swat District Integrated Rural Development Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>99,710</td> <td>45,270</td> <td>54,140</td> </tr> <tr> <td>US\$1=21R</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	99,710	45,270	54,140	US\$1=21R																									
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3.SECTOR	Agriculture/General	3.CONTENTS OF MAJOR PROJECT(S)	<p>Priority Development Project</p> <p>1.Aqri. Infrastructure Development - Irrigation</p> <ul style="list-style-type: none"> <li>- Small Scale Irrigation Scheme 18 pla.</li> <li>- Spring Water Tank Irrigation 30 pla.</li> <li>- Kabaigram Irri. Scheme 320 ha.</li> <li>- Sandai-Aloch Irri. &amp; Hydel Power Scheme 352 ha.</li> <li>- Choqa Irri. &amp; Hydel Scheme 170 ha.</li> <li>- Chakesar Irri. &amp; Hydel Scheme 110 ha.</li> </ul> <p>2.Aqri. Supporting Service Development</p> <p>3.Road Improvement 103.5km ; Road Construction 176.0km</p> <p>4.Rural Electrification 26,700H</p> <p>5.New Water Supply System 22,300H</p> <p>6.Rural Infrastructure Development</p> <p>7.Village Community Development</p>																																				
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2)</td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td>FIRR3)</td> </tr> </tbody> </table> <p>Conditions and Development Impacts:</p> <p>Conditions: The benefits consist of direct (e.g. aqri. benefits) and indirect benefits. Agricultural benefits are estimated as the difference of net income from crop production between with-project and without-project conditions. Paddy</p> <table border="1"> <thead> <tr> <th></th> <th>without project</th> <th>with project</th> <th>Incremental Benefit</th> <th>Incremental N.P.V</th> </tr> </thead> <tbody> <tr> <td>Maize Veg. Fruits</td> <td>728t</td> <td>607t</td> <td>74t</td> <td>-</td> </tr> <tr> <td></td> <td>910t</td> <td>638t</td> <td>634t</td> <td>126t</td> </tr> <tr> <td></td> <td>182t</td> <td>31t</td> <td>560t</td> <td>126t</td> </tr> <tr> <td></td> <td></td> <td></td> <td>3.7 million Rupees</td> <td></td> </tr> </tbody> </table> <p>Development Impacts: It is envisaged that expansion of agricultural production, employment opportunity and increased income, grading up living standard, infrastructure development can be secured by the project executions. *The EIRRs for Aqri.Infra,Road and Rural Electrification are 10.3%-14.5%, 8.5%-10.5% and 2.8%-9.6% respectively.</p>			Feasibility:	EIRR1)	FIRR1)	Yes	EIRR2)	FIRR2)		EIRR3)	FIRR3)		without project	with project	Incremental Benefit	Incremental N.P.V	Maize Veg. Fruits	728t	607t	74t	-		910t	638t	634t	126t		182t	31t	560t	126t				3.7 million Rupees	
Feasibility:	EIRR1)	FIRR1)																																					
Yes	EIRR2)	FIRR2)																																					
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5.TYPE OF STUDY	(M/P)+F/S	5.technical transfer	On the job training for the counterpart staff and training in Japan for the staff of Rural Development Department																																				
6.COUNTERPART AGENCY	NWFP, Local Government and Rural Development Department	6.PRINCIPAL SOURCE OF INFORMATION	①②③																																				
7.OBJECTIVES OF STUDY		7.PRINCIPAL SOURCE OF INFORMATION	①②③																																				
8.DATE OF S/W	Apr.1988	8.PRINCIPAL SOURCE OF INFORMATION	①②③																																				
9.CONSULTANT(S)	Sanyu Consultants Inc. Pacific Consultants International	9.PRINCIPAL SOURCE OF INFORMATION	①②③																																				
10.STUDY TEAM	<p>No.of Members 9</p> <p>Period Oct.1988-Dec.1989(15 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>49.77</td> <td>20.59</td> <td>29.18</td> </tr> </tbody> </table>	Total M/M	Japan	Field	49.77	20.59	29.18	10.PRINCIPAL SOURCE OF INFORMATION	①②③																														
Total M/M	Japan	Field																																					
49.77	20.59	29.18																																					
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		11.PRINCIPAL SOURCE OF INFORMATION	①②③																																				
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>Total</th> <th>Contracted</th> </tr> </thead> <tbody> <tr> <td></td> <td>165,783 (¥'000)</td> <td>158,592</td> </tr> </tbody> </table>		Total	Contracted		165,783 (¥'000)	158,592	12.PRINCIPAL SOURCE OF INFORMATION	①②③																														
	Total	Contracted																																					
	165,783 (¥'000)	158,592																																					

和名 スワット地域農村総合開発計画

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

# PROJECT SUMMARY (F/S)

ASO PAK/S 304/89

Compiled Mar.1991  
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT													
1.COUNTRY	Pakistan	1.SITE OR AREA	Islamabad City, and around the country														
2.NAME OF STUDY	Establishment of the Second TV Channel for Education	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>130,955</td> <td>81,904</td> <td>49,050</td> </tr> <tr> <td>US\$1=19.57P, Re=130Yen</td> <td>32,000</td> <td>6,100</td> <td>26,900</td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	130,955	81,904	49,050	US\$1=19.57P, Re=130Yen	32,000	6,100	26,900
	Total Cost	Local Cost	Foreign Cost														
(US\$1,000)	130,955	81,904	49,050														
US\$1=19.57P, Re=130Yen	32,000	6,100	26,900														
3.SECTOR	Communications & Broadcasting/Broadcasting	3.CONTENT(S) OF MAJOR PROJECT(S)	<p>The establishment of the second TV channel for education in the Islamic Republic of Pakistan.</p> <p>In the first 2 years project contents are:</p> <ul style="list-style-type: none"> <li>-Construction of a TV programme production centre in Islamabad.</li> <li>-Supply and installation of broadcasting equipment for the above mentioned ETV Centre.</li> <li>-TV programme transmission facilities via satellite(consist of 2 up/down link earth stations and 14 TV ROs).</li> <li>-Supply and installation of ETV transmitter and antenna for each of 12 rebroadcast stations. Upon completion, 56% population coverage is achieved.</li> </ul> <p>In the later 3 years:</p> <ul style="list-style-type: none"> <li>-Construction of ETV centers in Karachi and Lahore.</li> <li>-Supply and installation of ETV production equipment.</li> <li>-ETV transmitter and antennas for the rest 30 rebroadcast stations. Upon completion 98% of population coverage will be achieved.</li> </ul>														
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>15.26</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2)</td> <td></td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> </tr> </tbody> </table> <p>Conditions and Development Impacts:</p> <p>The current literacy rate in Pakistan is about 30%. However, with rapid increase of population (estimated to double in 20 years), the rate is likely to decline without an effective mass education program. The (mass) education of the people is the urgent task of national politics. The establishment of the second TV channel for education is an important step to improve the level of literacy, and to launch mass education programs on family planning, child health. TV is the most suitable media for the purpose.</p>			Feasibility:	EIRR1)	15.26	FIRR1)	Yes	EIRR2)		FIRR2)		EIRR3)		FIRR3)
Feasibility:	EIRR1)	15.26	FIRR1)														
Yes	EIRR2)		FIRR2)														
	EIRR3)		FIRR3)														
5.TYPE OF STUDY	F/S	5.technical transfer	<p>Technical transfer was done on channel allocation, post production, procedure for programme production, audio dubbing and programme transmission via satellite.</p>														
6.COUNTERPART AGENCY	Pakistan Television Corporation Ltd. (PTV)	6.MAJOR REASONS FOR PRESENT STATUS	<p>Although the F/S was conducted on the basis of a loan financial support, Pakistan Government requested grant aid from Japanese Government due to the financial difficulties. Japanese Government accepted the request for the first 2 years project contents.</p>														
7.OBJECTIVES OF STUDY	Feasibility Study	7.PRINCIPAL SOURCE OF INFORMATION	<p>①②</p>														
8.DATE OF S/W	Sep.1988																
9.CONSULTANT(S)	Integrated Technology Inc. Nippon Sogo Architects and Engineers																
10.STUDY TEAM	<p>No.of Members 14</p> <p>Period Jan.1989-Sep.1989(9 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>49.76</td> <td>23.04</td> <td>26.72</td> </tr> </tbody> </table>	Total M/M	Japan	Field	49.76	23.04	26.72										
Total M/M	Japan	Field															
49.76	23.04	26.72															
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY																	
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>157,101 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>159,273</td> </tr> </tbody> </table>		157,101 (¥'000)	Total		Contracted	159,273										
	157,101 (¥'000)																
Total																	
Contracted	159,273																

和名 教育テレビチャンネル設立計画

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

# PROJECT SUMMARY (F/S)

ASO PAK/A 304/90

Compiled Mar.1992  
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																	
1.COUNTRY	Pakistan	1.SITE OR AREA	Malis River Basin situated about 20km north west of Karachi city, Total area is 30,000ha																		
2.NAME OF STUDY	Water Resource Development Project in Malis Basin	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1) (US\$1,000)</td> <td>31,900</td> <td>5,680</td> <td>26,220</td> </tr> <tr> <td>2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	1) (US\$1,000)	31,900	5,680	26,220	2)				3)			
	Total Cost	Local Cost	Foreign Cost																		
1) (US\$1,000)	31,900	5,680	26,220																		
2)																					
3)																					
3.SECTOR	Agriculture/General	3.CONTENT(S) OF MAJOR PROJECT(S)	<ul style="list-style-type: none"> <li>- Construction of Khadeji Dam: the max. amount of pondage 35.5MCM</li> <li>- Construction of Mol Dam: the max. amount of pondage 43.83MCM</li> <li>- Demonstration Pilot Farm</li> <li>- Development of irrigation area (4,350ha)</li> </ul>																		
4.REFERENCE NO.																					
5.TYPE OF STUDY	F/S																				
6.COUNTERPART AGENCY	Government of Sindh																				
7.OBJECTIVES OF STUDY	To Formulate Water Resource Development Project																				
8.DATE OF S/W	Feb.1989	Imp. Period:	Apr.1991-Mar.1995																		
9.CONSULTANT(S)	Nihon Koei Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1</th> <th>10.65</th> <th>FIRR1</th> </tr> </thead> <tbody> <tr> <td>Yes/No</td> <td>EIRR2</td> <td></td> <td>FIRR2</td> </tr> <tr> <td></td> <td>EIRR3</td> <td></td> <td>FIRR3</td> </tr> </tbody> </table>			Feasibility:	EIRR1	10.65	FIRR1	Yes/No	EIRR2		FIRR2		EIRR3		FIRR3				
Feasibility:	EIRR1	10.65	FIRR1																		
Yes/No	EIRR2		FIRR2																		
	EIRR3		FIRR3																		
		Conditions and Development Impacts:	<p>Development Impacts</p> <p>A large improvement in the standard of life of farmers including peasants is expected.</p> <ul style="list-style-type: none"> <li>- Stable Supply of Water</li> <li>- Increase of Employment Opportunity</li> <li>- Increase of Crop Production and Stable Supply of the Products to the Karachi City - Increase of Farmer's Income</li> <li>- Improvement of Water Quality</li> <li>- Food Mitigation Effects</li> <li>- Improvement of Agro-technology</li> <li>- Demonstration Effect of Pilot Farm</li> </ul>																		
10.STUDY TEAM	<p>No.of Members 11</p> <p>Period Aug.1989-Oct.1990(15 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>47.17</td> <td>16.74</td> <td>30.43</td> </tr> </tbody> </table>	Total M/M	Japan	Field	47.17	16.74	30.43														
Total M/M	Japan	Field																			
47.17	16.74	30.43																			
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.technical transfer	<ul style="list-style-type: none"> <li>- Technology transfer to counterparts in the course of the Study</li> <li>- Training of counterparts in JICA training course</li> </ul>																		
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>152,552 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>147,613</td> </tr> </tbody> </table>		152,552 (¥'000)	Total		Contracted	147,613		<p>1.PRESENT STATUS</p> <p><input type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting</p> <p><input type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended</p> <p><input type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled</p> <p><input type="checkbox"/> Processing</p> <p>(Description)</p> <p>Under promotion in the Government of Pakistan for OECF loan.</p> <p>(1991 Survey of JICA overseas office)</p> <p>No additional information.</p> <p>(FY 1992 Overseas Survey)</p> <p>1) A request was made for a OECD loan during the FY 1992 Annual Meeting between the Pakistan and Japanese governments.</p> <p>2) A OECD loan for a detailed design L/A was expected in February or March 1992, the carrying out of D/D in August 1992.</p>												
	152,552 (¥'000)																				
Total																					
Contracted	147,613																				
			2.MAJOR REASONS FOR PRESENT STATUS																		
			3.PRINCIPAL SOURCE OF INFORMATION																		
			①②③																		

和名 マリル川流域農業開発計画

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

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

Compiled Mar. 1993  
Revised

ASO PAK/S 203A/91

I. OUTLINE OF STUDY			II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS														
<b>1.COUNTRY</b>	Pakistan		<b>1.SITE OR AREA</b>	Lahore Metropolitan Area (2,300 Sq. Km)		<b>1.PRESENT STATUS</b>	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued													
<b>2.NAME OF STUDY</b>	Comprehensive Study on Transportation System in Lahore		<b>2.PROJECT COST</b>	(US\$1,000)	Total Cost    Local Cost    Foreign Cost 1)                 910,000 2)	(Description) F/S was carried out after this study.														
<b>3.SECTOR</b>	Transportation/Urban Transportation		<b>3.CONTENTS OF MAJOR PROJECT(S)</b>	<p>Components of the Master Plan (up to 2010):            1) Short-term plan (1992-1995) (Total construction cost of 25 billion Rps): Improvement and construction of roads and improvement of 9 intersections; Improved traffic management in the inner area; Improvement and expansion of the bus system (bigger bus fleet, etc.); Construction of a new bridge across the Ravi River.            2) Medium-term plan (1996-2000) (Total construction cost of 65 billion Rps): Improvement and construction of roads and improvement of 14 intersections; Construction of a new bridge across the Ravi River; Improvement and expansion of the bus system (priority bus lanes, etc.); Improvement of the existing Heavy Rail Transit (HRT) System (40.0km); Improved traffic management in the inner area; Development of mode interchange facilities.            3) Long-term plan (2001-2010) (Total construction cost of 110 billion Rps): Improvement and construction of roads and intersection improvement (92.4km); Construction of a new bridge across the Ravi River; Improvement and expansion of the bus system (priority bus lanes, etc.); Introduction of the Light Rail Transit (LRT) System; Development of mode interchange facilities.</p>		<p>-The Lahore Development Authority is interested in the construction of a new bridge across the Ravi River, and has sounded out the Japanese cooperation for a feasibility study or a basic design of the project.            -A feasibility study on the Lahore loop road is currently on-going using a World Bank loan.</p>														
<b>4.REFERENCE NO.</b>																				
<b>5.TYPE OF STUDY</b>	M/P+ (F/S)																			
<b>6.COUNTERPART AGENCY</b>	Lahore Development Authority																			
<b>7.OBJECTIVES OF STUDY</b>	1) Formulation of Urban Transport Master Plan for 2000/2010 2) Feasibility Study on Priority Projects 3) Technical Transfer to Counterparts																			
<b>8.DATE OF S/W</b>	Oct.1989																			
<b>9.CONULTANT(S)</b>	ALMEC Corporation Pacific Consultants International		<b>4.CONDITIONS AND DEVELOPMENT IMPACTS</b>																	
			<p>Assumptions            The future transport demand (in person trips/day) was projected on the bases of the results of the 1990 person trip survey (HIS) and the project socio-economic framework of population (total, by occupation and by sector), per capita GNP, household income, and the conceptual land use plan for the Lahore Metropolitan Area (LMA).</p> <table border="1"> <thead> <tr> <th></th> <th>1990</th> <th>2010</th> </tr> </thead> <tbody> <tr> <td>Population (over 5 years of age)</td> <td>4,578</td> <td>8,875 (in 1000)</td> </tr> <tr> <td>Person trips/day</td> <td>9,779</td> <td>19,863</td> </tr> <tr> <td>Trip generation rate</td> <td>2.14</td> <td>2.24</td> </tr> </tbody> </table> <p>The master plan was formulated by taking note of the following points.            1) To identify a Transport System in accordance with the future urban transport demand in the LMA, and to formulate the system to suit the role of the state capital of Punjab, 2) To ensure the conservation of urban amenities, 3) To develop a radial/ring road network which will service the future road traffic demand, 4) To introduce a more effective mass transit system which will accommodate the future demand for public transportation, and 5) To take into full consideration of the unique transportation characteristics of the LMA, such as the sizable share of two-wheel vehicles (esp. bicycles) and the diversity of the available transportation means.</p>							1990	2010	Population (over 5 years of age)	4,578	8,875 (in 1000)	Person trips/day	9,779	19,863	Trip generation rate	2.14	2.24
	1990	2010																		
Population (over 5 years of age)	4,578	8,875 (in 1000)																		
Person trips/day	9,779	19,863																		
Trip generation rate	2.14	2.24																		
<b>10.STUDY TEAM</b>	No.of Members    11 Period Jul.1990-Oct.1991( months)  <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>60.95</td> <td>24.86</td> <td>36.09</td> </tr> </tbody> </table>		Total M/M	Japan	Field	60.95	24.86	36.09												
Total M/M	Japan	Field																		
60.95	24.86	36.09																		
<b>11.ASSOCIATED AND/OR SUBCONTRACTED STUDY</b>	Traffic Survey Topographical Survey																			
<b>12.EXPENDITURE</b>	<table border="1"> <thead> <tr> <th></th> <th>226,159 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>218,462</td> </tr> </tbody> </table>			226,159 (¥'000)	Total		Contracted	218,462	<b>5.TECHNICAL TRANSFER</b>			<b>3.PRINCIPAL SOURCE OF INFORMATION</b>								
	226,159 (¥'000)																			
Total																				
Contracted	218,462																			
			1) Joint work with counterparts in Pakistan 2) Counterparts training in Japan, 1991			①														
						<b>2.MAJOR REASONS FOR PRESENT STATUS</b>														

和名 ラホール都市圏総合交通システム開発計画

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

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

ASO PAK/S 203B/91

Compiled Mar.1993  
Revised

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Pakistan	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"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input checked="" type="checkbox"/> Processing
2.NAME OF STUDY		2.PROJECT COST		Total Cost      Local Cost      Foreign Cost (US\$1,000)      1)      13,932      11,332      2,600 2)      288,164      209,707      78,457 3)			
Comprehensive Study on Transportation System in Lahore							
3.SECTOR		3.CONTENT OF MAJOR PROJECT(S)		(Description) (FY1992 Overseas Survey) 1) Detailed designs are prepared for three flyovers.  2) A D/D for LRT is planned to be implemented in time for the scheduled opening. The construction of flyovers is planned to be implemented through funding of the Pakistan Government and World Bank. The scale of LRT project is so large that the government seeks Japanese cooperation in addition to the planned World Bank loan for a part of the construction.  3) The construction of the bridge across Ravi River has started.  4) A D/D for grade separations is in progress.  5) A D/D for link road is also in progress.			
Transportation/Urban Transportation		The TEPA and the other related agencies have been studying and evaluating a number of urgent measures to alleviate the mounting problem of traffic congestions, such as construction of a new bridge or bridges across the Ravi River, connections of missing links and the grade separation at intersections of major corridors. The present study selected two projects for feasibility analysis: namely, 1) improvement of 3 intersections, and 2) a Light Rail Transit System (LRT), which will significantly change the future transportation policy for the LMA. 1) Intersection Improvement (construction of flyovers): Total cost of Rp.302.3 million - Qartaba Chowk - Ferozepur Road / Canal Bridge & Wahdat Road - Kalma Chowk 2) LRT: Total cost of Rp.5,965 million - Construction of a light rail line from the present (CBD to the Model Town in the south (12.5 km) - Related facilities and equipment (elevated stations, signaling and communication, yards and workshops, rolling stocks, acquisition of the right of way, etc.)  * Costs are estimated in the end 1990 prices.					
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS					
5.TYPE OF STUDY		Feasibility:      EIRR1)      FIRR1) Yes/No      EIRR2)      FIRR2) EIRR3)      FIRR3)					
6.COUNTERPART AGENCY		Conditions and Development Impacts: Assumptions: 1) Selection of three intersections Identification of seriously congested intersections on the basis of the hourly traffic volumes by direction; Selection of three sites, by taking note of the on-going improvement works, the importance of each intersection for the future transport planning; and the interrelationship with the future public transportation system. 2) LRT The System is to start operation in the year 2010; The priority route of 12.5 km was selected in reference to the future transportation network formulated by the preceding Master Plan; The System is to be grade-separated from the existing transportation modes in order to avoid traffic congestions and provide on-time and comfortable services; The System will be positioned to ensure convenient transfers to or from other transportation means; Route selection and facility design will ensure the conservation of historical buildings, greenery and other amenable urban landscape; The development of terminals will take into consideration of their redevelopment impacts in the vicinities. Impacts: 1) Intersection Improvement: Alleviation of traffic congestions. 2) LRT: Strengthening of the public transportation capacity, alleviation of traffic congestions, redevelopment in the areas around terminals, etc.; To maintain financial feasibility, it will be necessary to use low-interest public funds and/or					
Lahore Development Authority							
7.OBJECTIVES OF STUDY							
8.DATE OF S/W		Oct.1989		Imp. Period:			
9.CONSULTANT(S)		AIMEC Corporation Pacific Consultants International					
10.STUDY TEAM		No.of Members      11 Period Jul.1990-Oct.1991 (15 months)  Total M/M      Japan      Field 60.95      24.86      36.09		2.MAJOR REASONS FOR PRESENT STATUS			
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY							
12.EXPENDITURE		Total      226,159 (¥'000) Contracted      218,462		3.PRINCIPAL SOURCE OF INFORMATION			
				①②			

和名 ラホール都市圏総合交通システム開発計画

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

# PROJECT SUMMARY (F/S)

ASE PHL/S 303/76

Compiled Mar.1990  
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																					
1.COUNTRY	Philippines	1.SITE OR AREA	Manila																						
2.NAME OF STUDY	Manila Rapid Transit Railway Line No.1	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>547,000</td> <td>282,000</td> <td></td> </tr> <tr> <td>1)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	547,000	282,000		1)				2)				3)			
	Total Cost	Local Cost	Foreign Cost																						
(US\$1,000)	547,000	282,000																							
1)																									
2)																									
3)																									
3.SECTOR	Transportation/Railway	3.CONTENT(S) OF MAJOR PROJECT(S)	<p>Content : Route selection : Station building : Power supply facilities : Communications facilities : Signalling : Operation and Maintenance</p> <p>Length : 20km</p>																						
4.REFERENCE NO.		<p>Imp. Period: Jan.1980-Jul.1987</p> <p>4.FEASIBILITY AND ITS ASSUMPTIONS</p> <table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>20.40</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>No</td> <td>EIRR2)</td> <td></td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> </tr> </tbody> </table> <p>Conditions and Development Impacts:</p> <p>Conditions: - Traffic demand forecast was made on the basis of person trip survey (1971) and mass transit service survey (1975). - survey area was Greater Manila Area including 4 cities and 15 towns.</p> <p>Development impact: It is to meet future traffic demand which cannot be met by roads surface roads.</p>	Feasibility:	EIRR1)	20.40	FIRR1)	No	EIRR2)		FIRR2)		EIRR3)		FIRR3)											
Feasibility:	EIRR1)		20.40	FIRR1)																					
No	EIRR2)			FIRR2)																					
	EIRR3)			FIRR3)																					
5.TYPE OF STUDY	F/S																								
6.COUNTERPART AGENCY	Planning & Project Development office, Public Works Dept., Transport & Communication																								
7.OBJECTIVES OF STUDY	Urban Public Transportation	<p>(Description)</p> <p>The subway project was cancelled as follows.</p> <ol style="list-style-type: none"> <li>1. According to the decision made by the President's Office in 1979, this project was started with a Belgian grant. The original plan was the surface railway transit.</li> <li>2. Afterwards, the plan was changed to the elevated railway transit (LRT) and consequently required additional loans, including Lloyd/Sumitomo, Swiss Transfer Credit, and LTD Bond.</li> <li>3. This LRT No.1 route replaced Subway No.1 route. Total length was about 14 km.</li> <li>4. This LRT project was completed in December 1985. Number of passengers : 250,000/day.</li> </ol>																							
8.DATE OF S/W	Jul.1974	<p>2.MAJOR REASONS FOR PRESENT STATUS</p> <p>The alternative transit system was implemented.</p>																							
9.CONSULTANT(S)	Pacific Consultants International Japan Overseas Consultants Co., Ltd.	<p>3.PRINCIPAL SOURCE OF INFORMATION</p> <p>①</p>																							
10.STUDY TEAM	<p>No.of Members 12</p> <p>Period Apr.1975-Jun.1976(14 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>90.42</td> <td>53.34</td> <td>37.08</td> </tr> </tbody> </table>	Total M/M	Japan	Field	90.42	53.34	37.08	<p>5. TECHNICAL TRANSFER</p> <p>-Technique for future traffic demand forecasting -Overseas training in Japan -Environmental assessment method</p>																	
Total M/M	Japan	Field																							
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11.ASSOCIATED AND/OR SUBCONTRACTED STUDY																									
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>178,914 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>242,970</td> </tr> </tbody> </table>		178,914 (¥'000)	Total		Contracted	242,970																		
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和名 マニラ地下鉄 (1号線) 計画

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

# PROJECT SUMMARY (F/S)

ASE PHL/S 301/76

Compiled Mar.1990  
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																																																	
1.COUNTRY	Philippines	1.SITE OR AREA	Subic Bay in southwestern Luzon (100km from Manila)																																																		
2.NAME OF STUDY	Construction Plan of Subic Ship Repair Yard	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1) (US\$1,000)</td> <td>66,530</td> <td>29,370</td> <td>37,160</td> </tr> <tr> <td>2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	1) (US\$1,000)	66,530	29,370	37,160	2)				3)																																			
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3.SECTOR	Transportation/Marine Transportation & Ships	3.CONTENTIS OF MAJOR PROJECT(S)	<p>1. Facility plan</p> <p>1) Total site: 158,000sq.m</p> <p>2) Dredging and reclamation: 1 million cu.m</p> <p>3) Dock yard: 350m x 65m x 13m, sufficient for 300,000D.W.</p> <p>4) Dock side crane: 30t x 2</p> <p>5) Repair plant: main bldg. 150m x 35m x 12-17m, ancillary bldg. 150m x 15m x 7m</p> <p>6) Quay and dolphin: 25m x 160m, of which dolphin 20m x 25m, obliquely intersection steel pile standard</p> <p>7) Oxygen and acetylene generator: obtained from outside.</p> <p>8) Service and industrial water: well used, Water tank 500t for service water, 2,000t for industrial water.</p> <p>9) Control pollution: Equipment for treating waste water from living and from sashing engine parts is to be installed.</p> <p>10) Construction cost: \$71.86 million</p> <p>2. Management plan</p> <p>Organization of New company</p> <p>Capital 20 million US\$ (60% from Philippine government 40% from partner) It is built in Manila. The head office should smoothly obtain ship repairing orders and purchase materials while making close contact with the plant in Subic.</p>																																																		
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>25.00</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2)</td> <td></td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> </tr> </tbody> </table>			Feasibility:	EIRR1)	25.00	FIRR1)	Yes	EIRR2)		FIRR2)		EIRR3)		FIRR3)																																				
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Yes	EIRR2)		FIRR2)																																																		
	EIRR3)		FIRR3)																																																		
5.TYPE OF STUDY	F/S	<p>Conditions and Development Impacts:</p> <p>Conditions:</p> <p>1. Initial investment: recovered in 17.5 years after beginning of operation.</p> <p>2. Residual book value: 10%</p> <p>3. Long-term loan: Interest 4.25% on the average. 7 year deferment 18 year payment</p> <p>4. Sales: 65% is received before the end of a year, 35% in the following year.</p> <p>5. Production cost: 10% is paid in the present year and 90% in the following year.</p> <p>Development impacts:</p> <table border="1"> <thead> <tr> <th></th> <th>1979</th> <th>1980</th> <th>1981</th> <th>1982</th> <th>1983</th> <th>1984</th> <th>1985</th> </tr> </thead> <tbody> <tr> <td>1. Sales (mil\$)</td> <td>2.42</td> <td>9.46</td> <td>13.2</td> <td>17.2</td> <td>19.1</td> <td>21.4</td> <td>24.2</td> </tr> <tr> <td>2. Foreign exchange earnings and savings</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3. Increase of employment opportunity</td> <td>1,600</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4. Increased market for domestic materials: The dependence on imported raw materials will be lowered gradually in the course of this project.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5. Others: The construction of a dock in Subic will either decrease or prevent various useless expenditures attributable to the congestion around Manila.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					1979	1980	1981	1982	1983	1984	1985	1. Sales (mil\$)	2.42	9.46	13.2	17.2	19.1	21.4	24.2	2. Foreign exchange earnings and savings								3. Increase of employment opportunity	1,600							4. Increased market for domestic materials: The dependence on imported raw materials will be lowered gradually in the course of this project.								5. Others: The construction of a dock in Subic will either decrease or prevent various useless expenditures attributable to the congestion around Manila.							
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6.COUNTERPART AGENCY	Maritime Industry Authority	<p>10.STUDY TEAM</p> <p>No.of Members 6</p> <p>Period Jan.1976-Apr.1976(3 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total M/M	Japan	Field																																													
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		<p>1.PRESENT STATUS</p> <p> <input checked="" type="checkbox"/> Completed or in Progress         <input type="checkbox"/> Promoting           <input checked="" type="radio"/> Completed         <input type="checkbox"/> Delayed or Suspended           <input type="radio"/> Implementing         <input type="checkbox"/> Discontinued or Cancelled           <input type="radio"/> Processing       </p> <p>(Description)</p> <p>Sep.1977 OECF loan agreement (E/S, 265 million yen)</p> <p>Mar.1979 OECF loan agreement (10,855 million yen)</p> <p>For the construction of Subic Repair Yard</p> <p>Oct.1979 Construction started</p> <p>Dec.1981 Construction completed</p> <p>OECF financing:</p> <p>1) Construction of a dry dock (350m x 65m x 12.5m)</p> <p>2) Berths (two 300,000DWT berths, one 150,000DWT berth, and one 20,000DWT berth)</p> <p>3) Cranes (one 80t crane, one 30t crane and one 15t crane)</p> <p>4) Buildings</p>																																																			
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		<p>3.PRINCIPAL SOURCE OF INFORMATION</p> <p>④</p>																																																			

和名 スービック修理用造船所建設計画

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



## PROJECT SUMMARY (F/S)

Compiled Mar. 1986  
Revised Mar. 1992

ASE PHL/S 302/76

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Philippines	1.SITE OR AREA	Bataan Shipyard (Manila Bay and Marivelez)		1.PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="radio"/> Completed <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2.NAME OF STUDY	Pan-Philippine Highway Ferry Service Plan	2.PROJECT COST	Total Cost 9,904 Local Cost 1,707 Foreign Cost 8,197 (US\$1,000) (US\$1=292.8yen)		
3.SECTOR	Transportation/Marine Transportation & Ships	3.CONTENTS OF MAJOR PROJECT(S)	1. Ferry 1) Scale: 59m Diesel engine, 2 ferry 2) Capacity: Passenger 400, Truck (8t) 14 3) Term for construction: 26 months 4) Technical employee: 20 engineers 3 months, 40 managers 6 months 2. Ferry terminal 1) Mooring Crest elevation: MHHW +2.5m Depth: -4.5m 2) Building Size: 1,200sq.m Structure: 2 floor Ferro-concrete 3) Car park, shore protection, breakwater constructed.		(Description) Jan.1978 OECF loan agreement (3,000 million yen) For the construction of two ferry boats and four ferry terminals Jan.1983 1st ferry boat delivered Oct.1983 Terminals completed Jun.1984 2nd ferry boat delivered (FY 1991 Overseas Survey) No additional information.
4.REFERENCE NO.		7.OBJECTIVES OF STUDY	Feasibility analysis of the construction car ferries		
5.TYPE OF STUDY	F/S	8.DATE OF S/W	.0		
6.COUNTERPART AGENCY	Dept.of Public Highway	9.CONULTANT(S)			
		Imp. Period:	.1978-.1980		
		4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 10.00 EIRR2) EIRR3)	FIRR1) 8.00 FIRR2) FIRR3)
		Conditions and Development Impacts: Conditions: 1. Forecasted demand: assumed 2 round-trips per day (target year: 1985) 2. Staff: 20(officer 8, clue 12) 3. Continental regime: A center is set on oneside, managers is set. 4. Capacity of transport/day (passenger) 1978 1980 1985 1990 310 390 710 1,270 Development impacts: 1. Reduction of transportation cost: 11 pesos/man 2. Reduction of transportation time: 0.8 pesos/man 3. Loss of taking on board is saved: 20 pesos/T 4. Saving the maintenance of other shore: 76,000 pesos year/1,000 passengers 5. Other impacts 1) Several functions of service will be established around terminal. 2) Increase of sightseers			
10.STUDY TEAM	No.of Members 4 Period Jan.1976-Jun.1976(5 months)  Total M/M Japan Field				2.MAJOR REASONS FOR PRESENT STATUS
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY					
12.EXPENDITURE	Total 8,550 (¥'000) Contracted	5.technical transfer			3.PRINCIPAL SOURCE OF INFORMATION ①②④

## 和名 フェリー計画

$$\{F/S, (M/P) + F/S, D/D\}$$

# PROJECT SUMMARY (F/S)

ASE PHL/A 301/76

Compiled Mar.1990  
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																																									
1.COUNTRY	Philippines	1.SITE OR AREA	Cagayan River Basin of Cagayan Province																																										
2.NAME OF STUDY	Cagayan Integrated Agricultural Development Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1) (US\$1,000)</td> <td>31,309</td> <td>15,831</td> <td>15,478</td> </tr> <tr> <td>2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	1) (US\$1,000)	31,309	15,831	15,478	2)				3)																											
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3.SECTOR	Agriculture/General	3.CONTENTS OF MAJOR PROJECT(S)	<table border="1"> <thead> <tr> <th>Scheme</th> <th>1) Aparri-Lallo</th> <th>2) Pared</th> <th>3) Iguig</th> </tr> </thead> <tbody> <tr> <td>Irrigation areas (total: 14,300ha)</td> <td>12,000ha</td> <td>1,500ha</td> <td>800ha</td> </tr> <tr> <td>Pumping facilities</td> <td>1,200mm x 7sets</td> <td>600mm x 4sets</td> <td>450mm x 4 sets</td> </tr> <tr> <td>Canals (irrigation)</td> <td>Main 30km Lateral 240km Farm ditch 480km</td> <td>8km 30km 105km</td> <td>4.5km 16km 32km</td> </tr> <tr> <td>Canals (drainage)</td> <td>Main 50km Lateral 360km</td> <td>45km</td> <td>16km</td> </tr> <tr> <td>Farm Road</td> <td>108km</td> <td>27.5km</td> <td>12km</td> </tr> </tbody> </table> <p>The project cost 1) above is for the entire schemes. The project costs for the individual schemes are as follows.</p> <table border="1"> <thead> <tr> <th></th> <th>Total</th> <th>Local</th> <th>Foreign (US\$1,000)</th> </tr> </thead> <tbody> <tr> <td>Aparri-Lallo</td> <td>11,923</td> <td>12,530</td> <td>11,923</td> </tr> <tr> <td>Pared</td> <td>2,158</td> <td>2,418</td> <td>2,158</td> </tr> <tr> <td>Iguig</td> <td>1,397</td> <td>883</td> <td>1,397</td> </tr> </tbody> </table>			Scheme	1) Aparri-Lallo	2) Pared	3) Iguig	Irrigation areas (total: 14,300ha)	12,000ha	1,500ha	800ha	Pumping facilities	1,200mm x 7sets	600mm x 4sets	450mm x 4 sets	Canals (irrigation)	Main 30km Lateral 240km Farm ditch 480km	8km 30km 105km	4.5km 16km 32km	Canals (drainage)	Main 50km Lateral 360km	45km	16km	Farm Road	108km	27.5km	12km		Total	Local	Foreign (US\$1,000)	Aparri-Lallo	11,923	12,530	11,923	Pared	2,158	2,418	2,158	Iguig	1,397	883	1,397
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5.TYPE OF STUDY	F/S	5.technical transfer	Overseas training was done during the period of project implementation																																										
6.COUNTERPART AGENCY	CIADP related agencies NIA, NEA, PW	5.technical transfer	Overseas training was done during the period of project implementation																																										
7.OBJECTIVES OF STUDY		5.technical transfer	Overseas training was done during the period of project implementation																																										
8.DATE OF S/W	.0	5.technical transfer	Overseas training was done during the period of project implementation																																										
9.CONSULTANT(S)	Sanyu Consultants Inc.	5.technical transfer	Overseas training was done during the period of project implementation																																										
10.STUDY TEAM	No.of Members 10 Period May.1975-Jun.1976 (13 months)  Total M/M Japan Field	5.technical transfer	Overseas training was done during the period of project implementation																																										
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.technical transfer	Overseas training was done during the period of project implementation																																										
12.EXPENDITURE	Total 91,893 (¥'000) Contracted 82,482	5.technical transfer	Overseas training was done during the period of project implementation																																										
		1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="radio"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="radio"/> Processing																																										
		(Description)	<p>The proposed project was implemented by the OECF finance.</p> <p>Apr.1977 OECF L/A signed (6.16 billion yen)  1978 Construction started  Dec.1988 Construction completed</p> <p>OECF Loan:  - 3 pump stations  - Irrigation canals (930km)  - Drainage canals (414km)  - Roads (759km)  - Power transmission (70km)</p> <p>(FY1991 Overseas Survey)  No additional information.</p>																																										
		2.MAJOR REASONS FOR PRESENT STATUS																																											
		3.PRINCIPAL SOURCE OF INFORMATION	①②④																																										

和名 カガヤン農業総合開発

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

# PROJECT SUMMARY (F/S)

ASE PHL/S 304/77

Compiled Mar.1986  
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT		
1.COUNTRY	Philippines	1.SITE OR AREA	Agno, Bicol and Cagayan Rivers / Luzon Island		1.PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="radio"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="radio"/> Processing	
2.NAME OF STUDY	Flood-Forecasting Systems in the Agno, Bicol and Cagayan River Basins	2.PROJECT COST	Total Cost Local Cost Foreign Cost (US\$1,000) 1) 6,535 440 6,094 (US\$1=291Yen=7.39P) 2) 3)			
3.SECTOR	Social Infrastructures/River & Erosion Control	3.CONTENT(S) OF MAJOR PROJECT(S)	1. Facilities and network 2. Provision of personnel 1) Flood forecasting center: Supervisor (4) Hydrologist (5) Telecommunication engineer (6) 2) Monitor station: Hydrologist (8) Telecommunication engineer (11)			
4.REFERENCE NO.		5.TYPE OF STUDY	F/S	(Description) Jan.1978 OECF L/A signed (1,774 million yen) Feb.1979 D/D completed Mar.1982 Construction completed and operation started  Realized project: Flood forecasting center 1 location Relay stations 4 locations Monitor stations 3 locations Telemeter stations 21 locations Subcenters 3 locations Transmission & receiving stations 2 locations  Total project cost: US\$8.83 million (OECF US\$7.38 million) (US\$1=240yen)		
6.COUNTERPART AGENCY	Weather Bureau P.A.G.A.S.A.	7.OBJECTIVES OF STUDY	Establishment of flood forecasting and warning systems over the three river basins of the Luzon Island			
8.DATE OF S/W	Nov.1975	9.CONCONSULTANT(S)	CTI Engineering Co., Ltd. Imp. Period: Jan.1979-Jul.1982			
10.STUDY TEAM	No.of Members 15 Period Nov.1976-Aug.1977 (9 months)  Total M/M Japan Field 15.70 6.30 9.40	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes EIRR1 EIRR2 EIRR3 FIRR1 FIRR2 FIRR3	2.MAJOR REASONS FOR PRESENT STATUS 1. Magnitude of effects 2. Factor of continuation 3. High degree of priority 4. Strength of supporting organizations		
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Survey Radio wave propagation Test	Conditions and Development Impacts: Conditions: Target areas of Flood forecasting system 1. Agno river basin: Entire Pangasinan Plain, Central part of Tarlac Province. 2. Bicol river basin: Central part of the basin, from lake Bato to lake Baao and the flood plain surrounding Naga city. 3. Cagayan river basin: Flood plain along the middle reaches from Ilagan to Tumauni, Flood plain along the lower reaches from Tuquegarao to Apari. Development impacts: 1. Save life: Flood information services contributes to effective execution of flood fighting activities, mitigation of loss of lives and personal and public assets, furthermore, it contributes to maintain stability of social economy and public welfare. 2. Promotion of development project 3. Increase of labor incentive				
12.EXPENDITURE	Total 102,520 (¥'000) Contracted 39,133	5.technical transfer 1. OJT: During two years of construction period, total of 34 trainees were received for training. 2. Acceptance of trainees: Trainees consisting of 8 specializing hydrology and 11 telecommunication were				
				3.PRINCIPAL SOURCE OF INFORMATION ①②		

和名 Agno川、Bicol川、Cagayan 川における洪水予警報システムの総合計画設立のための調査

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

# PROJECT SUMMARY (F/S)

ASE PHL/A 302/77

Compiled Mar.1990  
Revised Mar.1993

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="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Discontinued or Cancelled																
2.NAME OF STUDY	Grain Terminal Construction Projects in Manila and Cebu	Manila and Cebu																					
3.SECTOR	Agriculture/Irrigation, Drainage & Reclamation	2.PROJECT COST				(Description) (FY1991 Overseas Survey) The Government of the Philippines has no plan to secure financing for the project.																	
4.REFERENCE NO.		<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1) (US\$1,000)</td> <td>13,800</td> <td>7,800</td> <td>6,000</td> </tr> <tr> <td>2)</td> <td>6,600</td> <td>3,700</td> <td>2,900</td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>							Total Cost	Local Cost	Foreign Cost	1) (US\$1,000)	13,800	7,800	6,000	2)	6,600	3,700	2,900	3)			
	Total Cost	Local Cost	Foreign Cost																				
1) (US\$1,000)	13,800	7,800	6,000																				
2)	6,600	3,700	2,900																				
3)																							
5.TYPE OF STUDY	F/S	3.CONTENTS OF MAJOR PROJECT(S)																					
6.COUNTERPART AGENCY	National Grains Authority	Manila: Construction of 26,000 tons grain terminal silo. Installation of 300 tons/hour pneumatic unloaders. Cebu: Construction of 10,000 tons grain terminal silo. Installation of 150 tons/hour pneumatic unloaders and construction of 2,000 tons/month corn grits mill.																					
7.OBJECTIVES OF STUDY		The Cost 1) above pertains to Manila, and the Cost 2) to Cebu (end 1979 prices).																					
8.DATE OF S/W	.0	Imp. Period:				2.MAJOR REASONS FOR PRESENT STATUS (FY 1991 Overseas Survey) The government is no longer interested in pursuing the project due to the policy of deregulation and privatization.																	
9.CONSULTANT(S)	Nissin Engineering Co., Ltd.	<table border="1"> <thead> <tr> <th>4.FEASIBILITY AND ITS ASSUMPTIONS</th> <th>Feasibility: Yes/No</th> <th>EIRR1)</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>EIRR2)</td> <td>FIRR2)</td> </tr> <tr> <td></td> <td></td> <td>EIRR3)</td> <td>FIRR3)</td> </tr> </tbody> </table>						4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes/No	EIRR1)	FIRR1)			EIRR2)	FIRR2)			EIRR3)	FIRR3)				
4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes/No	EIRR1)	FIRR1)																				
		EIRR2)	FIRR2)																				
		EIRR3)	FIRR3)																				
10.STUDY TEAM	No.of Members 12 Period Oct.1976-Apr.1977 (7 months)  <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Total M/M	Japan	Field				Conditions and Development Impacts: 1. Cost reduction of imported grain transportation, unloading and storage. 2. Extermination of damage from insects and rodents and prevention of deterioration of grain															
Total M/M	Japan	Field																					
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER				3.PRINCIPAL SOURCE OF INFORMATION ①②																	
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>72,011 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>61,397</td> </tr> </tbody> </table>		72,011 (¥'000)	Total				Contracted	61,397														
	72,011 (¥'000)																						
Total																							
Contracted	61,397																						

和名 穀物ターミナルサイロ建設プロジェクト (マニラ・セブ地区)

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

## PROJECT SUMMARY (Basic Study)

ASE PHL/A 501/77

Compiled Mar. 1990  
Revised Mar. 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS	
<b>1.COUNTRY</b>	Philippines	<b>1.SITE OR AREA</b>	The Gulf of Leyte and the Gulf of Davao	<b>1.PRESENT STATUS</b>	<input type="checkbox"/> In Progress or In Use <input checked="" type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
<b>2.NAME OF STUDY</b>	Fish Finding (skipjack) Survey	<b>2.PROJECT COST</b>	Total Cost    Local Cost    Foreign Cost	(Description) No information is available.	
<b>3.SECTOR</b>	Fisheries/Fisheries	(US\$1,000)	1) 2)		
<b>4.REFERENCE NO.</b>		<b>3.CONTENTES OF MAJOR PROJECT(S)</b>			
<b>5.TYPE OF STUDY</b>	Basic Study	During the period of the study, it was a poor catch period in the Gulf of Leyte, and it was between a poor catch period and the beginning of fish visiting period in the Gulf of Davao, therefore the haul was poor. It is necessary to conduct survey in different time to observe the difference of the hauls by the time and to judge the overall situation through a year.			
<b>6.COUNTERPART AGENCY</b>	Bureau of Marine Resources				
<b>7.OBJECTIVES OF STUDY</b>					
<b>8.DATE OF S/W</b>	.0	<b>4.CONDITIONS AND DEVELOPMENT IMPACTS</b>		<b>2.MAJOR REASONS FOR PRESENT STATUS</b>	
<b>9 CONSULTANT(S)</b>	Japan Marine Fishery Resource Research Center				
<b>10.STUDY TEAM</b>	No.of Members Period  Total M/M          Japan          Field				
<b>11.ASSOCIATED AND/OR SUBCONTRACTED STUDY</b>					
<b>12.EXPENDITURE</b>	Total      99,851 (¥'000) Contracted      94,682	<b>5.TECHNICAL TRANSFER</b>		<b>3.PRINCIPAL SOURCE OF INFORMATION</b> ①	

和名 水産資源開発調査

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

# PROJECT SUMMARY (Other)

ASE PHL/S 601/77

Compiled Mar.1990  
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS													
1.COUNTRY	Philippines	1.SITE OR AREA	Shipyards (27ha) in Marivelez		1.PRESENT STATUS												
2.NAME OF STUDY	Pan-Philippine Highway Ferry Service (follow-up)	2.PROJECT COST	<table border="1"> <thead> <tr> <th>(US\$1,000)</th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1)</td> <td>10,870</td> <td>2,010</td> <td>8,860</td> </tr> <tr> <td>2)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		(US\$1,000)	Total Cost	Local Cost	Foreign Cost	1)	10,870	2,010	8,860	2)				<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
(US\$1,000)	Total Cost	Local Cost	Foreign Cost														
1)	10,870	2,010	8,860														
2)																	
3.SECTOR	Transportation/Marine Transportation & Ships	3.CONTENTES OF MAJOR PROJECT(S)	(Description) Jan.1978 OECF loan agreement (3,000 million yen)														
4.REFERENCE NO.		Technical advice on the ferry construction which has been proposed by the F/S (FY 1976).															
5.TYPE OF STUDY	Other																
6.COUNTERPART AGENCY	Dept.of Public Highway, Maritime Industry Authority																
7.OBJECTIVES OF STUDY	Technical guidance on the construction of ferries	4.CONDITIONS AND DEVELOPMENT IMPACTS	2.MAJOR REASONS FOR PRESENT STATUS														
8.DATE OF S/W	.0	- Efficient in-island and coastal transportation - Transfer of shipbuilding technology															
9.CONSULTANT(S)	The Shipbuilding Research Centre of Japan																
10.STUDY TEAM	No.of Members 4 Period Jul.1977-Jul.1977(1 months)  <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Total M/M	Japan	Field				5. TECHNICAL TRANSFER	3.PRINCIPAL SOURCE OF INFORMATION								
Total M/M	Japan	Field															
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY																	
12.EXPENDITURE	<table border="1"> <thead> <tr> <th>Total</th> <th>Contracted</th> </tr> </thead> <tbody> <tr> <td>4,554 (¥000)</td> <td></td> </tr> </tbody> </table>	Total	Contracted	4,554 (¥000)													
Total	Contracted																
4,554 (¥000)																	

和名 フェリー計画アフターケア

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

# PROJECT SUMMARY (M/P)

ASE PHL/S 101/78

Compiled Mar.1986  
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS																
1.COUNTRY	Philippines	1.SITE OR AREA	Pampanga Province (70km westward from Manila)		1.PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued														
2.NAME OF STUDY	Pasig-Potrero River Flood Control and Sabo Project	2.PROJECT COST	Total Cost Local Cost Foreign Cost (US\$1,000) 1) 31,820 (US\$1=7.4P) 2)		(Description) 1) One sabo dam was constructed by DPWH. River improvement works in the downstream reach is subsequently under way.  2) The construction works are managed by the budget of the Government of the Philippines.  (FY 1991 Overseas Survey) No additional information.															
3.SECTOR	Social Infrastructures/Water Resource Development	3.CONTENTES OF MAJOR PROJECT(S)	The pasig and Potolero rivers in the western region of Luzon Island causes the flood damage because of the remarkable denudation of mountain region.  The project consists of the following sabo works preventing sediment deposit in the river.  <table border="0"> <tr> <td>Structure</td> <td>Scale</td> </tr> <tr> <td>- Sabo dam</td> <td>10 nos.(height 14~15m, crest length 31~68m)</td> </tr> <tr> <td>- Pondage for sediment deposit</td> <td>about 56 ha</td> </tr> <tr> <td>- Levee</td> <td>17,220m(new), 2,530m(tentative)</td> </tr> <tr> <td>- Ground sill</td> <td>13 nos.</td> </tr> <tr> <td>- Groyne</td> <td>349 nos.</td> </tr> <tr> <td>- sluice</td> <td>3 nos</td> </tr> </table> * Above project cost is in 1979 price.				Structure	Scale	- Sabo dam	10 nos.(height 14~15m, crest length 31~68m)	- Pondage for sediment deposit	about 56 ha	- Levee	17,220m(new), 2,530m(tentative)	- Ground sill	13 nos.	- Groyne	349 nos.	- sluice	3 nos
Structure	Scale																			
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- sluice	3 nos																			
4.REFERENCE NO.		4.CONDITIONS AND DEVELOPMENT IMPACTS		2.MAJOR REASONS FOR PRESENT STATUS																
5.TYPE OF STUDY	M/P	The Project has the following far-reaching effects: 1) To mitigate the damage due to flood and sedimentation 2) To increase the agricultural production. 3) To stabilize public welfare 4) To create the chance of employment 5) To transfer the knowledge on sabo works and river improvement works.																		
6.COUNTERPART AGENCY	Dept. of Public Works and Highways (DPWH)	5.technical transfer				3.PRINCIPAL SOURCE OF INFORMATION														
7.OBJECTIVES OF STUDY	Flood control																			
8.DATE OF S/W	Mar.1977																			
9.CONSULTANT(S)	Nihon Koei Co., Ltd. CTI Engineering Co., Ltd.																			
10.STUDY TEAM	No.of Members 15 Period Aug.1977-Sep.1978(14 months)  <table border="0"> <tr> <td>Total M/M</td> <td>Japan</td> <td>Field</td> </tr> <tr> <td>42.97</td> <td>7.17</td> <td>35.80</td> </tr> </table>	Total M/M	Japan	Field	42.97	7.17	35.80													
Total M/M	Japan	Field																		
42.97	7.17	35.80																		
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY																				
12.EXPENDITURE	Total 158,282 (¥000) Contracted 89,719																			

和名 小水系河川総合開発計画

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

# PROJECT SUMMARY (F/S)

ASE PHL/S 305/78

Compiled Mar.1986  
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																													
1.COUNTRY	Philippines	1.SITE OR AREA	Metropolitan Manila (Ayal Ave to R-9, 15km and Edsa to C-5, 8km, totaling 23km in length)																														
2.NAME OF STUDY	C-3 and R-4 and Related Roads Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>116,250</td> <td>76,375</td> <td>39,875</td> </tr> <tr> <td>(US\$1=8P)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	116,250	76,375	39,875	(US\$1=8P)																			
	Total Cost	Local Cost	Foreign Cost																														
(US\$1,000)	116,250	76,375	39,875																														
(US\$1=8P)																																	
3.SECTOR	Transportation/Road	3.CONTENT(S) OF MAJOR PROJECT(S)	<p>1. Road</p> <p>1) C-3 Road: 15.5km (South Superhighway - Rizal Av. Balintawak Interchange) 6 lanes</p> <p>2) R-4 Road: 7.2km (C-4 - Juan Luna with sections overlapping C-5) 4 lanes for R-4 and 6 lanes for the rest</p> <p>2. Construction plan</p> <p>Phase-1. southern Section of C-3 Road (1978-1985)</p> <p>Stage-1. Construction of a four-lane road (1979-1983)</p> <p>Stage-2. Construction of two additional lanes (1983-1985)</p> <p>Phase-2. Northern Section of C-3 road (1982-1987)</p> <p>Stage-1. Construction of a four-lane road on C-3 road (1983-1984)</p> <p>Stage-2. Construction of two additional lanes on C-3 road and of grade separation at Quezon-C-3 intersection (1986-1987)</p> <p>Stage-3. Construction of Balintawak branch (1986-1987)</p> <p>Phase-3. R-4 and its Related roads (1983-1988)</p> <p>Phase-4. Construction of Grade Separation at four intersections (1987-1989)</p>																														
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1</th> <th>49.90</th> <th>FIRR1</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2</td> <td></td> <td>FIRR2</td> </tr> <tr> <td></td> <td>EIRR3</td> <td></td> <td>FIRR3</td> </tr> </tbody> </table>			Feasibility:	EIRR1	49.90	FIRR1	Yes	EIRR2		FIRR2		EIRR3		FIRR3																
Feasibility:	EIRR1	49.90	FIRR1																														
Yes	EIRR2		FIRR2																														
	EIRR3		FIRR3																														
5.TYPE OF STUDY	F/S	<p>Conditions and Development Impacts:</p> <p>Conditions:</p> <table border="1"> <thead> <tr> <th></th> <th>Traffic projection (1980)</th> <th>Average annual traffic growth (1980-2000)</th> </tr> </thead> <tbody> <tr> <td>C-3 Road</td> <td>629,000 vehicle-km/day</td> <td>4.4%</td> </tr> <tr> <td>R-4 Road</td> <td>201,800 vehicle-km/day</td> <td>3.6%</td> </tr> </tbody> </table> <p>Development Impacts:</p> <p>1. Unit time value saved: Calculated on the basis of the annual income of families and the annual working hours by non-car owners and car owners. The estimated time value of passengers was reduced by 50 percent in the calculation of time cost because these passengers could not normally fully utilize the time they have.</p> <table border="1"> <thead> <tr> <th>(peso)</th> <th>Non-car owner</th> <th>Car owner</th> </tr> </thead> <tbody> <tr> <td>1) To/From work</td> <td>0.73</td> <td>2.62</td> </tr> <tr> <td>2) Business</td> <td>1.47</td> <td>5.25</td> </tr> </tbody> </table> <p>2. Vehicle-operating cost saved</p> <table border="1"> <thead> <tr> <th></th> <th>1) Passenger car</th> <th>0.29(peso)</th> <th>2) Truck</th> <th>2.55</th> </tr> </thead> <tbody> <tr> <td>3) Bus</td> <td>2.73</td> <td>4) Jeepney</td> <td>1.78</td> <td></td> </tr> </tbody> </table> <p>3. Traffic volume decreased: 12,000 vehicles/day</p>					Traffic projection (1980)	Average annual traffic growth (1980-2000)	C-3 Road	629,000 vehicle-km/day	4.4%	R-4 Road	201,800 vehicle-km/day	3.6%	(peso)	Non-car owner	Car owner	1) To/From work	0.73	2.62	2) Business	1.47	5.25		1) Passenger car	0.29(peso)	2) Truck	2.55	3) Bus	2.73	4) Jeepney	1.78	
	Traffic projection (1980)	Average annual traffic growth (1980-2000)																															
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3) Bus	2.73	4) Jeepney	1.78																														
6.COUNTERPART AGENCY	Dept. of Public Works and Highways (DPWH)	<p>10.STUDY TEAM</p> <p>No.of Members 12</p> <p>Period Mar.1977-Mar.1978(12 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>65.31</td> <td>36.60</td> <td>28.71</td> </tr> </tbody> </table>				Total M/M	Japan	Field	65.31	36.60	28.71																						
Total M/M	Japan	Field																															
65.31	36.60	28.71																															
7.OBJECTIVES OF STUDY	Technical and Economical F/S of C-3 and R-4 and its related road in Metro Manila, Philippines	<p>11.ASSOCIATED AND/OR SUBCONTRACTED STUDY</p>																															
8.DATE OF S/W	Mar.1977	<p>5.technical transfer</p> <p>Used local consultants efficiently in air photography, soil and material survey and geotechnical survey.</p>																															
9.CONSULTANT(S)	Japan Overseas Consultants Co., Ltd. International Development Center of Japan	<p>3.PRINCIPAL SOURCE OF INFORMATION</p> <p>①③④</p>																															
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>172,920 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>159,884</td> </tr> </tbody> </table>		172,920 (¥'000)	Total		Contracted	159,884	<p>2.MAJOR REASONS FOR PRESENT STATUS</p> <p>1) Efficient relief of traffic congestion in the Metropolitan area was recognized.</p> <p>2) This study was given high priority.</p>																									
	172,920 (¥'000)																																
Total																																	
Contracted	159,884																																

和名 マニラ首都圏道路計画 (C-3・R-4道路建設計画)

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



# PROJECT SUMMARY (F/S)

ASE PHL/S 306/78

Compiled Mar.1986  
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT													
1.COUNTRY	Philippines	1.SITE OR AREA	Ilocos, Cagayan														
2.NAME OF STUDY	Telecommunications Network Project in the Northern Part of Luzon	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>83,047</td> <td>30,176</td> <td>52,871</td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	83,047	30,176	52,871				
	Total Cost	Local Cost	Foreign Cost														
(US\$1,000)	83,047	30,176	52,871														
3.SECTOR	Communications & Broadcasting/Telecommunication	3.CONTENTIS OF MAJOR PROJECT(S)	<p>1. Project</p> <p>1) Local exchanges (45), IPTSS (50)</p> <p>2) Toll switching centers (8)</p> <p>3) Microwave network (20 hops, 732kms)</p> <p>4) UHF system (43), VHF system (30)</p> <p>5) PCM system (4 sections), Multiplexing equipment (about 3100ch)</p> <p>6) Truck cable (about 457km)</p> <p>7) Local cable (about 640km)</p> <p>8) Telex exchange (2), Telex concentrator (7), General station (32)</p> <p>2. Charging system</p> <p>1) Charge per call: 0.30 pesos</p> <p>2) Unit time: Inter-provincial call-30 sec</p> <p>Inter-provincial call-5 case</p>														
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>6.31</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2)</td> <td></td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> </tr> </tbody> </table>			Feasibility:	EIRR1)	6.31	FIRR1)	Yes	EIRR2)		FIRR2)		EIRR3)		FIRR3)
Feasibility:	EIRR1)	6.31	FIRR1)														
Yes	EIRR2)		FIRR2)														
	EIRR3)		FIRR3)														
5.TYPE OF STUDY	F/S	<p>Conditions and Development Impacts:</p> <p>Conditions:</p> <p>1. Estimated telephone demand: 140,000 (Target year: 2002)</p> <p>2. Range of installation: 1982-1987, 1,300-1,400 per year</p> <p>3. A loss probability: 0.01</p> <p>Development impacts:</p> <p>1. Increase of telephone:9,000</p> <p>2. Subscriber Toll Dialing Service available from Ilocos and Cagayan areas.</p> <p>3. Toll call available to Manila</p> <p>4. Establishment for protection against calamities</p> <p>5. Development in sightseeing business</p> <p>6. Technology transfer</p> <p>7. Cultural and social integrity</p> <p>8. Maintenance of public order</p>															
6.COUNTERPART AGENCY	Bureau of Telecommunications	5.technical transfer	On the Job Training was concluded for the counterpart staff.														
7.OBJECTIVES OF STUDY	Feasibility study of the telecommunications Network Project in the Northern part of Luzon.	12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>Total</th> <th>61,035 (¥000)</th> </tr> </thead> <tbody> <tr> <td>Contracted</td> <td>2,356</td> <td></td> </tr> </tbody> </table>				Total	61,035 (¥000)	Contracted	2,356							
	Total	61,035 (¥000)															
Contracted	2,356																
8.DATE OF S/W	Dec.1977	<p>Imp. Period: Jul.1980-.1982</p>															
9.CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.	<p>2.MAJOR REASONS FOR PRESENT STATUS</p> <p>Effectiveness</p> <p>- large impact</p> <p>- high priority</p>															
10.STUDY TEAM	<p>No.of Members 13</p> <p>Period Feb.1978-Dec.1978 (10 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td></td> <td>1.30</td> <td></td> </tr> </tbody> </table>	Total M/M	Japan	Field		1.30		<p>3.PRINCIPAL SOURCE OF INFORMATION</p> <p>①④</p>									
Total M/M	Japan	Field															
	1.30																
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY																	

和名 ルソン島北部電気通信網建設計画

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

# PROJECT SUMMARY (F/S)

ASE PHL/A 303/78

Compiled Mar.1990  
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT													
1.COUNTRY	Philippines	1.SITE OR AREA	Wahig-Pamacsaran River Basin of Bohol Island														
2.NAME OF STUDY	Bohol Integrated Agricultural Development Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>43,600</td> <td>18,400</td> <td>25,200</td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	43,600	18,400	25,200				
	Total Cost	Local Cost	Foreign Cost														
(US\$1,000)	43,600	18,400	25,200														
3.SECTOR	Agriculture/General	3.CONTENTES OF MAJOR PROJECT(S)	<p>1)Pamascaran dam: height 67.5m, Malinao diversion dam: height 24.5m</p> <p>2)Irrigation area</p> <p>Pamascaran Lower area 4,800ha, Upper area 120ha</p> <p>Wahig Upper area: Single cropping 256ha, Double cropping 400ha</p> <p>Total: Single cropping 5,176ha, Double cropping 5,320ha</p> <p>3)Irrigation facilities</p> <p>Diversion weir 2 places (Upper area)</p> <p>Irrigation canal 131km (Upper area 18km, Lower area 113km)</p> <p>Drainage canal 98km (Upper area 8.4km, Lower area 89.4km)</p> <p>Farm road 118km</p> <p>4)Power station: Installed capacity 1,700KW</p> <p>Annual power generation 5,175MWH</p> <p>5)Consolidation of terminal facilities</p>														
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>17.00</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2)</td> <td></td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> </tr> </tbody> </table> <p>Conditions and Development Impacts:</p> <p>Conditions:</p> <p>Economic benefits are expected of agricultural development and power generation. Agricultural benefits are estimated as the annual net increase in production benefits.</p> <p>Development Impacts:</p> <p>1.Increase of agricultural production by introduction of irrigation system</p> <p>2.Contribution to self-sufficiency of the staple food</p> <p>3.Increase of employment</p> <p>4.Correction of imbalanced income distribution</p> <p>5.Alleviation of energy restriction</p> <p>6.Improvement of traffic network</p> <p>7.Dissemination of agricultural technology</p>			Feasibility:	EIRR1)	17.00	FIRR1)	Yes	EIRR2)		FIRR2)		EIRR3)		FIRR3)
Feasibility:	EIRR1)	17.00	FIRR1)														
Yes	EIRR2)		FIRR2)														
	EIRR3)		FIRR3)														
5.TYPE OF STUDY	F/S	5.technical transfer															
6.COUNTERPART AGENCY	NIA (National Irrigation Administration) and two others	5.technical transfer															
7.OBJECTIVES OF STUDY	F/S on the Integrated Agricultural Development Project in which the irrigation plan is a main component.	5.technical transfer															
8.DATE OF S/W	Mar.1977	5.technical transfer															
9.CONSULTANT(S)	Sanyu Consultants Inc.	5.technical transfer															
10.STUDY TEAM	<p>No.of Members 13</p> <p>Period Aug.1977-Nov.1977 (3 months)</p> <p>Total M/M Japan Field</p>	5.technical transfer															
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.technical transfer															
12.EXPENDITURE	<p>Total 122,815 (¥'000)</p> <p>Contracted 111,856</p>	5.technical transfer															
		1.PRESENT STATUS	<p>Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="checkbox"/></p> <p>Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/></p> <p>Implementing <input checked="" type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/></p> <p>Processing <input type="checkbox"/></p>														
		(Description)	<p>Jun.1980 OECF loan agreement signed (E/S 90 million yen)</p> <p>Sep.1983 OECF loan agreement signed (4,600 million yen)</p> <p>The loan is for the construction of an earth dam (height 20.8m, cap. 5.99 million cu.m), irrigation and drainage canals, farm roads and on-farm facilities.</p> <p>(FY1991 Overseas Survey)</p> <p>The Bohol Project (I) was initially scheduled to be implemented during 1983 - 1989 by the OECF loan. The completion date was later revised from April 30, 1989 to Dec. 1995.</p>														
		2.MAJOR REASONS FOR PRESENT STATUS															
		3.PRINCIPAL SOURCE OF INFORMATION	①②④														

和名 ボホール農業総合開発計画

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

# PROJECT SUMMARY (Other)

Compiled Mar.1990  
Revised Mar.1993

ASE PHL/A 601/78

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	Review on the Feasibility Study of Fishing Port Package-1	whole country			<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued	
3.SECTOR	Fisheries/Fisheries	2.PROJECT COST			(Description)	
4.REFERENCE NO.		(US\$1,000)	Total Cost	Local Cost		Foreign Cost
5.TYPE OF STUDY	Other	1)	120,366	59,756		60,610
6.COUNTERPART AGENCY	Department of Public Works, Transportation, and Communication (1977) Dept. of Construction (1978)	2)				
7.OBJECTIVES OF STUDY	Review of the feasibility studies of five ports undertaken by the Government of the Philippines and supplementary economic analysis	3.CONTENTS OF MAJOR PROJECT(S)				
8.DATE OF S/W	Mar.1978	The Study reviewed the following components of the feasibility studies of five fishing ports shown below, with supplementary economic evaluation. 1. Construction of basic port facilities (mooring gear, sea banks, berths, embankments, anchorages, etc.) 2. Improvement of functional facilities (fish markets, ice plants and cold storage facilities, water supply stations, oil stations, etc.) - Zamboanga Port - Iloilo Port - Camaligan Port - Lucena Port - Sual Port				
9.CONSULTANT(S)	Overseas Coastal Area Development Institute of Japan System Science Consultants	4.CONDITIONS AND DEVELOPMENT IMPACTS				
10.STUDY TEAM	No.of Members 3 Period  Total M/M Japan Field	Conditions: 1. Project life is twenty years after the start of fishing ports operation. 2. 1978 price 3. Discount rate : 15% Direct impacts: (1) increase of hauls (2) improvement of fish freshness Indirect impacts: (1) improvement of self-sufficiency of marine products (2) modernization of fishing (3) increase of incentive for investment (4) stabilization of fish price (5) creation of employment opportunities				
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER				
12.EXPENDITURE	Total 33,866 (¥'000) Contracted	3.PRINCIPAL SOURCE OF INFORMATION				
		①②④				
		2.MAJOR REASONS FOR PRESENT STATUS				
		The Government of the Philippines assigned high priority to the fishing ports in the application for the 6th Yen Credit Package.				

和名 漁港整備計画レビュー調査

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

# PROJECT SUMMARY (M/P)

ASE PHL/S 102/79

Compiled Mar.1991  
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS	
1.COUNTRY	Philippines	1.SITE OR AREA	<div>Bohol Province (4,120 sq.km, pop.0.76 million)</div>		
2.NAME OF STUDY	Bohol Integrated Area Development Project	2.PROJECT COST	<div> <div>(US\$1,000)</div> <div> <div>Total Cost</div> <div>Local Cost</div> <div>Foreign Cost</div> </div> <div> <div>1) 549,300</div> <div>2)</div> </div> </div>		
3.SECTOR	Development Plan/Integrated Regional Development Plan	3.CONTENT(S) OF MAJOR PROJECT(S)	<div> <div>The study formulated the area development plan with central focus on the irrigation development project in the Wahig-Pamacsalan River basin (the F/S conducted by JICA). Major proposals are as follows.</div> <div> <div>1) Water resource development:</div> <div>- Wahig-Pamacsalan irrigation development</div> <div>- Taqbilan pumping station 2) Agriculture:</div> <div>- Establishment of a center for soil technology development and agricultural promotion</div> <div>- Establishment of a Wahig-Pamacsalan pilot farm</div> <div>- Development of the livestock sector</div> <div>3) Fisheries: Establishment of a fish processing base at the port of Coqtong</div> <div>4) Forestry: Reforestation/rehabilitation of the basin</div> <div>5) Mining and industry: Skill development of small industries</div> </div> </div>		
4.REFERENCE NO.		4.CONDITIONS AND DEVELOPMENT IMPACTS	<div>Bohol Province is one of the underdeveloped provinces included in the Central Visayas (or Region VII). The integrated area development will contribute to the narrowing of regional income disparities through strengthening the inter-sector linkages in development.</div> <div>Major development impacts are (1) increase of income, (2) creation of employment, (3) creation of demands, etc.</div>		
5.TYPE OF STUDY	M/P				
6.COUNTERPART AGENCY	National Council on Integrated Area Development (NACIAD)				
7.OBJECTIVES OF STUDY	Formulation of a area development plan centering on the Wahig-Pamacsalan River basin				
8.DATE OF S/W	Aug.1978				
9.CONSULTANT(S)	Pacific Consultants International Mitsubishi Research Institute				
10.STUDY TEAM	<div>No.of Members 14</div> <div>Period Jun.1979-Feb.1980(8 months)</div> <div> <div>Total M/M</div> <div>Japan</div> <div>Field</div> </div>				
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY					
12.EXPENDITURE	<div>Total 96,994 (¥'000)</div> <div>Contracted 85,175</div>	5.TECHNICAL TRANSFER	<div> <div>QJT for the counterparts and participation of the counterparts in the JICA training program</div> </div>		
		1.PRESENT STATUS	<div> <div><input checked="" type="checkbox"/> In Progress or In Use</div> <div><input type="checkbox"/> Delayed</div> <div><input type="checkbox"/> Discontinued</div> </div>		
		(Description)	<div> <div>1) Based on the recommendations of the study, the irrigation and drainage development project, including the construction of rural roads and tertiary irrigation facilities are under implementation by the National Irrigation Administration (NIA) with OECF finance.</div> <div>Jun.1980 OECF E/S loan agreement (90 million yen)</div> <div>Sep.1983 OECF loan agreement (4,600 million yen)</div> <div>Apr.1985 Construction started</div> <div>Jun.1993 Construction to be completed</div> <div>Realized project:</div> <div>- Earth dam (hight 20.8m)</div> <div>- Irrigation &amp; drainage canals, rural roads &amp; on-farm development</div> <div>2) The Bohol Agricultural Promotion Center (BAPC) was established by the Japanese grant (E/N in July 1983, 970 million yen).</div> <div>3) Technical cooperation (Bohol Agricultural Promotion Center Project) was implemented by JICA during 1983-1990.</div> <div>(FY 1991 Overseas Survey)</div> <div>BAPC was integrated to the research program of the regional outreach station for the lowland irrigated rice developmental zone.</div> </div>		
		2.MAJOR REASONS FOR PRESENT STATUS			
		3.PRINCIPAL SOURCE OF INFORMATION	①②④		

和名 ボホール州総合開発計画

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

# PROJECT SUMMARY (F/S)

ASE PHL/S 307/79

Compiled Mar.1986  
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT												
1.COUNTRY	Philippines	1.SITE OR AREA	Ilocos and Cagayan Valley Provinces		1.PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Discontinued or Cancelled											
2.NAME OF STUDY	Hospital Development Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>128,388</td> <td>128,388</td> <td></td> </tr> <tr> <td>(US\$1=7.415P)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	128,388	128,388		(US\$1=7.415P)		
	Total Cost	Local Cost	Foreign Cost													
(US\$1,000)	128,388	128,388														
(US\$1=7.415P)																
3.SECTOR	Social Infrastructures/Architecture & Housing	3.CONTENT(S) OF MAJOR PROJECT(S)	1)Medical centers: 4 locations, 900 beds 2)Regional hospitals: 2 locations, 500 beds 3)Provincial hospitals: 13 locations, 1,500 beds • Implementation period is 6 years.		(Description) Cancelled after the completion of the feasibility study.  (FY 1991 Overseas Survey) No additional information.											
4.REFERENCE NO.																
5.TYPE OF STUDY	F/S															
6.COUNTERPART AGENCY	Ministry of Health															
7.OBJECTIVES OF STUDY																
8.DATE OF S/W	Dec.1978	Imp. Period:														
9.CONSULTANT(S)	Nihon Sekkei, Inc.	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) FIRR1) EIRR2) FIRR2) EIRR3) FIRR3)												
10.STUDY TEAM	No.of Members 15 Period Mar.1979-Feb.1980(11 months)  <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>30.32</td> <td>20.26</td> <td>10.06</td> </tr> </tbody> </table>	Total M/M	Japan	Field	30.32	20.26	10.06	Conditions and Development Impacts: Conditions: 1)Containment of communicative diseases. 2)Old buildings to be renovated as wards and new diagnostic and treatment facilities to be added. 3)Improvement of water supply and drainage systems. 4)Power generation to maintain the minimum basic functions in case of power failures. Development impacts: - Increased supply of healthy labor force - Creation of medical employment - Promotion of local medical industries		2.MAJOR REASONS FOR PRESENT STATUS						
Total M/M	Japan	Field														
30.32	20.26	10.06														
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.technical transfer		3.PRINCIPAL SOURCE OF INFORMATION												
12.EXPENDITURE	<table border="1"> <tbody> <tr> <td>Total</td> <td>82,114 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td>76,174</td> </tr> </tbody> </table>	Total	82,114 (¥'000)	Contracted	76,174			①②								
Total	82,114 (¥'000)															
Contracted	76,174															

和名 病院整備計画

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

# PROJECT SUMMARY (M/P)

ASE PHL/S 103/80

Compiled Mar.1986  
Revised Mar.1993

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 Mayon volcano in the southeast of Luzon		1.PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued									
2.NAME OF STUDY	Mayon Volcano Sabo and Flood Control Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th>(US\$1,000)</th> <th>1)</th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1=7.5P)</td> <td>2)</td> <td>200,900</td> <td>128,500</td> <td>72,400</td> </tr> </tbody> </table>			(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost	(US\$1=7.5P)	2)	200,900	128,500
(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost										
(US\$1=7.5P)	2)	200,900	128,500	72,400										
3.SECTOR	Social Infrastructures/River & Erosion Control	3.CONTENTES OF MAJOR PROJECT(S)	<p>(Description)</p> <p>The Government of the Philippines had budgeted the project in the five-year development plan. But this budget was used for other projects. The project area was seriously affected by the typhoon in 1981, and the JICA follow-up study was undertaken to review the master plan. Based on the findings of this study, the Philippine Government implemented some of the proposed jetties with its own funds.</p> <p>(FY 1991 Overseas Survey) No additional information</p>											
4.REFERENCE NO.		Construction of sabo facilities for sabo and flood control in the surrounding area of Mayon volcano and establishment of disaster prediction and warning system												
5.TYPE OF STUDY	M/P	<p>Sabo : Sabo Dam 2nos. Consolidation dam 4nos.</p> <p>Facilities Jetty 15nos. Spur Dike 43nos.</p> <p>Groyne 4nos. Consolidation 34nos</p>												
6.COUNTERPART AGENCY	Dept. of Public Works and Highways (DPWH)	<p>Disaster Prediction and warning system: Telemetering Rainfall/ waterlevel gabying stations, Automatic warning system, warning cars, connection with the existing forecasting and warning system of Bicol river basin.</p> <p>* Above project costs are in 1980 prices.</p>												
7.OBJECTIVES OF STUDY	Sabo and Flood Control plan for the Quinali (A) River The Quinali (B)River and the Yawa River	4.CONDITIONS AND DEVELOPMENT IMPACTS	2.MAJOR REASONS FOR PRESENT STATUS											
8.DATE OF S/W	Jun.1978	<p>This Sabo project will performed as the social works to insure the social stability of the region. This project will contribute to the insurance of better livelihood of people in the region.</p> <p>Beside the sabo project, river improvement, irrigation and disaster prediction and warning system shall be done as the one of the total measures for disaster.</p>												
9.CONSULTANT(S)	Nihon Koei Co., Ltd. Sabo Technical Center	10.STUDY TEAM	3.PRINCIPAL SOURCE OF INFORMATION											
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		<p>No.of Members 23</p> <p>Period Sep.1979-Mar.1981(9 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>72.38</td> <td>40.36</td> <td>32.02</td> </tr> </tbody> </table>				Total M/M	Japan	Field	72.38	40.36	32.02			
Total M/M	Japan	Field												
72.38	40.36	32.02												
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>241,998 (¥000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>231,034</td> </tr> </tbody> </table>		241,998 (¥000)	Total		Contracted	231,034	5.technical transfer	①②					
	241,998 (¥000)													
Total														
Contracted	231,034													
		<p>1) OJT : The lecture for Sabo technology was held in the local office</p> <p>2) Acceptance of trainee: JICA accepted two trainees for one month including the lecture (for Sabo, hydrology, river and survey,) by the study Team for 5days.</p>												

和名 マヨン火山砂防基本計画

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

# PROJECT SUMMARY (F/S)

ASE PHL/S 308/80

Compiled Mar.1986  
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT													
1.COUNTRY	Philippines	1.SITE OR AREA	Metro Manila area, in the Central west zone of Luzon Island														
2.NAME OF STUDY	Manila-Bataan Coastal Road and its Telated Roads	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>297,000</td> <td>99,000</td> <td></td> </tr> <tr> <td>(US\$1=215Yen)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	297,000	99,000		(US\$1=215Yen)			
	Total Cost	Local Cost	Foreign Cost														
(US\$1,000)	297,000	99,000															
(US\$1=215Yen)																	
3.SECTOR	Transportation/Road	3.CONTENTES OF MAJOR PROJECT(S)	<table border="1"> <thead> <tr> <th>Description</th> <th>Scale</th> </tr> </thead> <tbody> <tr> <td>Construction of new Harbour Road</td> <td>7.0km</td> </tr> <tr> <td>Construction of new C-5 Road</td> <td>8.6km</td> </tr> <tr> <td>Reclamation and social infrastructure facilities</td> <td>900ha</td> </tr> <tr> <td>Flyovers and repavement</td> <td>5 sites &amp; 15.6km</td> </tr> </tbody> </table>			Description	Scale	Construction of new Harbour Road	7.0km	Construction of new C-5 Road	8.6km	Reclamation and social infrastructure facilities	900ha	Flyovers and repavement	5 sites & 15.6km		
Description	Scale																
Construction of new Harbour Road	7.0km																
Construction of new C-5 Road	8.6km																
Reclamation and social infrastructure facilities	900ha																
Flyovers and repavement	5 sites & 15.6km																
4.REFERENCE NO.		<p>(Description)</p> <p>Jan.1988 OECF L/A signed (E/S package loan 2 billion yen)</p> <p>With part of the E/S loan (108 million yen), the detailed design study was undertaken on the western and southern sections of C-5 (Katahira &amp; Engineers International, and TCGI Engineers). In 1990, the Government decided to implement the project by BOT, after scaling down the project.</p> <p>(FY 1992 Overseas Survey)</p> <p>Jun.1992 After the eruption of Mt. Pinatubo in Nov.1991, the road was somewhat moved toward inland, and the D/D was completed on C-5.</p> <p>The construction of C-5 has been delayed owing to the problem of land acquisition. The D/D of C-6 is yet to be undertaken, and the similar problem of land acquisition is expected.</p>															
5.TYPE OF STUDY	F/S																
6.COUNTERPART AGENCY	Dept. of Public Works and Highways (DPWH)																
7.OBJECTIVES OF STUDY	Road plan																
8.DATE OF S/W	Aug.1978	Imp. Period:	1981-1987														
9.CONSULTANT(S)	Pacific Consultants International Japan Overseas Consultants Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 22.60 EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)												
10.STUDY TEAM	No.of Members 13 Period Jan.1979-Mar.1980 (14 months)	<p>Conditions and Development Impacts:</p> <p>The project consists of 2 components: Road and Reclamation. The value of EIRR/FIRR was calculated from both projects.</p> <p>Condition:</p> <p>1) Existing price mechanism does not change when general price increases as price of petroleum products go up.</p> <p>2) Existing mode of public transportation service does not change.</p> <p>Development impact:</p> <p>1) Formulation of well-organized city function in suburban area as well as expansion of urban area.</p> <p>2) Expansion of new industrial/commercial district as a result of superiority of commercial location.</p> <p>3) Promotion of regional development through industrial district.</p>															
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.technical transfer															
12.EXPENDITURE	Total 168,421 (¥'000) Contracted 164,825	<p>1) Overseas training 2) Report writing with counterpart staff</p>															
		2.MAJOR REASONS FOR PRESENT STATUS															
		3.PRINCIPAL SOURCE OF INFORMATION															
		①②③															

和名 マニラ・バターン道路およびC-5、C-6道路建設計画

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

# PROJECT SUMMARY (F/S)

ASE PHL/A 304/80

Compiled Mar.1990  
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																																											
1.COUNTRY	Philippines	1.SITE OR AREA	Ilocos Norte Province in northwest end of Luzon Island																																												
2.NAME OF STUDY	Ilocos Norte Irrigation Project:Phase II	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>331,000</td> <td>120,600</td> <td>210,500</td> </tr> <tr> <td>US\$1=7.4peso</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	331,000	120,600	210,500	US\$1=7.4peso																																	
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(US\$1,000)	331,000	120,600	210,500																																												
US\$1=7.4peso																																															
3.SECTOR	Agriculture/General	3.CONTENT(S) OF MAJOR PROJECT(S)	<table border="1"> <thead> <tr> <th></th> <th>Phase 1</th> <th>Phase 2</th> </tr> </thead> <tbody> <tr> <td>(1)Irrigation area</td> <td>10,200 ha</td> <td>12,400ha</td> </tr> <tr> <td>(2)Diversion Weir</td> <td>5 places</td> <td>2 places</td> </tr> <tr> <td>(3)Irrigation canal(total)</td> <td>200 km</td> <td>430km</td> </tr> <tr> <td>link</td> <td></td> <td>96.0km</td> </tr> <tr> <td>main</td> <td></td> <td>96.6km</td> </tr> <tr> <td>branch</td> <td></td> <td>240.2km</td> </tr> <tr> <td>(4)Drainage canal(total)</td> <td>150 km</td> <td>120km</td> </tr> <tr> <td>main</td> <td></td> <td>75.3km</td> </tr> <tr> <td>branch</td> <td></td> <td>47.8km</td> </tr> <tr> <td>(5)Farm road(total)</td> <td></td> <td>431.6km</td> </tr> <tr> <td>(6)Power station</td> <td></td> <td></td> </tr> <tr> <td>Bongca: installed capacity 36,000KW, annual power generation 159.7GWh</td> <td></td> <td></td> </tr> <tr> <td>Nueva Era: installed capacity 6,800KW, annual power generation 39.54GWh</td> <td></td> <td></td> </tr> </tbody> </table>				Phase 1	Phase 2	(1)Irrigation area	10,200 ha	12,400ha	(2)Diversion Weir	5 places	2 places	(3)Irrigation canal(total)	200 km	430km	link		96.0km	main		96.6km	branch		240.2km	(4)Drainage canal(total)	150 km	120km	main		75.3km	branch		47.8km	(5)Farm road(total)		431.6km	(6)Power station			Bongca: installed capacity 36,000KW, annual power generation 159.7GWh			Nueva Era: installed capacity 6,800KW, annual power generation 39.54GWh		
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4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>13.20</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2)</td> <td>14.00 <td>FIRR2)</td> </td></tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> </tr> </tbody> </table>			Feasibility:	EIRR1)	13.20	FIRR1)	Yes	EIRR2)	14.00 <td>FIRR2)</td>	FIRR2)		EIRR3)		FIRR3)																														
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Yes	EIRR2)	14.00 <td>FIRR2)</td>	FIRR2)																																												
	EIRR3)		FIRR3)																																												
5.TYPE OF STUDY	F/S	5.technical transfer	Survey method and development planning method in each sector were transferred to counterparts assigned during the period of the survey																																												
6.COUNTERPART AGENCY	National Irrigation Administration	5.technical transfer	Survey method and development planning method in each sector were transferred to counterparts assigned during the period of the survey																																												
7.OBJECTIVES OF STUDY		5.technical transfer	Survey method and development planning method in each sector were transferred to counterparts assigned during the period of the survey																																												
8.DATE OF S/W	Nov.1975	Imp. Period:	1980-1984 1982-1987																																												
9.CONSULTANT(S)	Sanyu Consultants Inc.	Imp. Period:	1980-1984 1982-1987																																												
10.STUDY TEAM	No.of Members 16 Period Aug.1978-Dec.1980 (17 months)  <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>96.92</td> <td>37.18</td> <td>59.74</td> </tr> </tbody> </table>	Total M/M	Japan	Field	96.92	37.18	59.74	Conditions and Development Impacts: [Conditions] Economic benefits are expected of agricultural development and electric power generation. Agricultural benefits are estimated as the difference of net income from crop production between with-project and without-project conditions. Benefits net income from crop production. (million pesos) <table border="1"> <thead> <tr> <th></th> <th>1984</th> <th>1987</th> <th>1992</th> </tr> </thead> <tbody> <tr> <td>with project</td> <td>120</td> <td>147</td> <td>374</td> </tr> <tr> <td>without project</td> <td>117</td> <td>122</td> <td>129</td> </tr> </tbody> </table> [Development Impacts] Increased crop production, improved farmers' income and living standard, increased employment opportunities.  The EIRR 1) above is for phase I, and 2) is for Phase II.		1984	1987	1992	with project	120	147	374	without project	117	122	129	1.PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing  (Description) The Phase I of the proposed project is under implementation with OECF financing.  Jun.1980 OECF L/A signed (E/S 70 million yen) Jun.1981 OECF L/A signed (5,000 millio yen) The loan finances the construction of 5 diversion weirs, irrigation and drainage canals, farm roads, and other related facilities. Apr.1982 Construction started Dec.1993 Construction to be completed  A pilot project of on-farm irrigation facilities was implemented by the Japanese grant during 1981-1982.  (FY1991 Overseas Survey) The financial arrangement for the project (Phase II) was not successful. The project is likely to be revived, but the timing is not known.																										
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11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		2.MAJOR REASONS FOR PRESENT STATUS																																													
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>328,554 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>290,172</td> </tr> </tbody> </table>		328,554 (¥'000)	Total		Contracted	290,172	3.PRINCIPAL SOURCE OF INFORMATION	①②④																																						
	328,554 (¥'000)																																														
Total																																															
Contracted	290,172																																														

和名 イロコスノルテかんがい計画

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



## PROJECT SUMMARY (M/P)

ASE PHL/S 104/81

Compiled Mar. 1986  
Revised Mar. 1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS	
<b>1.COUNTRY</b>	Philippines	<b>1.SITE OR AREA</b>	Davao in Mindanao	<b>1.PRESENT STATUS</b>	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
<b>2.NAME OF STUDY</b>	Davao City Urban Transport cum Land Use	<b>2.PROJECT COST</b>	Total Cost    Local Cost    Foreign Cost  (US\$1,000)              1) 2)	(Description)	
<b>3.SECTOR</b>	Transportation/Urban Transportation	<b>3.CONTENT'S OF MAJOR PROJECT(S)</b>	Part of the recommendation on public transportation (e.g. improvement of jeepney transportation) was implemented, but the utilization of the entire plan has not been realized.  (FY 1991 Overseas Survey) Some of the projects recommended by this study were implemented by the IBRD - assisted Regional Cities Development Project (RCDP).		
<b>4.REFERENCE NO.</b>		1)Regional development 7 industrial estates; 6 commercial centers; 2 educational urban centers; 1 administrative center; 2 port expansion 2)Road 25 new trunk road sections; 40 improvement sections 3)Public transportation introduction of bus transport 4)Traffic control improvement of interchanges; signals; exclusive bus lanes			
<b>5.TYPE OF STUDY</b>	M/P				
<b>6.COUNTERPART AGENCY</b>	Dept. of Public Works and Highways (DPWH)				
<b>7.OBJECTIVES OF STUDY</b>	Formulation of a land use plan and a transportation master plan through 2000				
<b>8.DATE OF S/W</b>	Mar.1979	<b>4.CONDITIONS AND DEVELOPMENT IMPACTS</b>	The proposed plan will contribute to the alleviation of the existing transportation problems and to the planning on land use, public transportation, road network development and traffic control to meet the future demand.		
<b>9.CONSULTANT(S)</b>	Nippon Engineering Consultants Co., Ltd. Nihon Koei Co., Ltd.	<b>2.MAJOR REASONS FOR PRESENT STATUS</b>			
<b>10.STUDY TEAM</b>	No.of Members    17 Period   Jun.1979-Dec.1981(30 months)  Total M/M          Japan          Field 136.93              17.33          119.60	<b>3.PRINCIPAL SOURCE OF INFORMATION</b>			
<b>11.ASSOCIATED AND/OR SUBCONTRACTED STUDY</b>	Topographic maps (scale: 1/10,000 and 1/5,000)	①②			
<b>12.EXPENDITURE</b>	Total                      326, 652 (¥'000) Contracted              323, 320	<b>5.technical transfer</b>	1)OJT on transport planning 2)Participation of counterparts in JICA training program 3)Employment of local consultants		

和名 ダバオ都市交通計画

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

# PROJECT SUMMARY (F/S)

ASE PHL/S 310/81

Compiled Mar.1990  
Revised Mar.1993

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"/> Delayed or Suspended <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing																
2.NAME OF STUDY		Panpanga River Basin (0.32 million ha) in Luzon																					
Pampanga Delta Development Project																							
3.SECTOR		2.PROJECT COST				(Description)																	
Social Infrastructures/River & Erosion Control		<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1) (US\$1,000)</td> <td>182,666</td> <td>102,666</td> <td>80,000</td> </tr> <tr> <td>2) (US\$1=8.2pesos)</td> <td>84,000</td> <td>49,333</td> <td>33,333</td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>							Total Cost	Local Cost	Foreign Cost	1) (US\$1,000)	182,666	102,666	80,000	2) (US\$1=8.2pesos)	84,000	49,333	33,333	3)			
	Total Cost	Local Cost	Foreign Cost																				
1) (US\$1,000)	182,666	102,666	80,000																				
2) (US\$1=8.2pesos)	84,000	49,333	33,333																				
3)																							
4.REFERENCE NO.		3.CONTENT(S) OF MAJOR PROJECT(S)																					
5.TYPE OF STUDY		1) Flood control river channel improvement 40km; revetment 97km; excavation of low-water channel in a volume of 33 million cu.m; embankment of existing levee to be heightened 35.6km; embankment of base mound 48.8km; revetment 4km; outlet culvert 19 places; outlet culverts incl. fishpond intakes of 26nos; bridges 2 places 2) Irrigation development - 1 weir, irrigable area of 14,000 ha - Main canals 37 km, secondary and tertiary canals 145 km * Implementation 1) is 10 years. Implementation 2) is 7 years.				May 1986 OECF E/S loan agreement (705 million yen) Oct.1987-May 1990 Detailed Design Jun.1989 OECF Appraisal of Flood Control Component Feb.1990 OECF loan agreement (8.63 billion yen) for flood control Mar.1991 OECF Appraisal of Irrigation Component Jul.1991 OECF loan agreement (9.43 billion yen) for irrigation Jan.1992 Construction (flood control) started Dec.1992 Construction (irrigation) started Mar.1997 Construction (flood control) to be completed Oct.1998 Construction (irrigation) to be completed																	
6.COUNTERPART AGENCY																							
Dept. of Public Works and Highways (DPWH) and National Irrigation Administration																							
7.OBJECTIVES OF STUDY																							
Review of the master plan and feasibility analysis of priority projects																							
8.DATE OF S/W		Imp. Period:																					
May.1980																							
9.CONSULTANT(S)		4.FEASIBILITY AND ITS ASSUMPTIONS																					
Nihon Koei Co., Ltd. Nikken Consultants., Inc.		<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>10.80</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2)</td> <td>15.40 <td>FIRR2)</td> </td></tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> </tr> </tbody> </table>				Feasibility:	EIRR1)	10.80	FIRR1)	Yes	EIRR2)	15.40 <td>FIRR2)</td>	FIRR2)		EIRR3)		FIRR3)						
Feasibility:	EIRR1)	10.80	FIRR1)																				
Yes	EIRR2)	15.40 <td>FIRR2)</td>	FIRR2)																				
	EIRR3)		FIRR3)																				
10.STUDY TEAM		Conditions and Development Impacts:				2.MAJOR REASONS FOR PRESENT STATUS																	
No.of Members 20 Period Jul.1980-Feb.1982 (7 months) <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>107.48</td> <td>45.94</td> <td>61.54</td> </tr> </tbody> </table>		Total M/M	Japan	Field	107.48	45.94	61.54	[Conditions] Flood control benefits are the expected reduction of flood damages for farm crops, fisheries, private properties, public facilities and so on, and the expected production increase for the land having not been utilized during the wet season. Irrigation benefits are the increment of farm income of crops between with and without project conditions. [Impacts] 1) The land area of 19,000 ha and 13,400 buildings will be protected from floods by the flood control project, and annual rice production will increase by 15,000 tons and annual fishery production by 2,400 tons. 2) Rice production will be increased by 47,000 tons by irrigation development. Farmers' income will increase from four to six times.															
Total M/M	Japan	Field																					
107.48	45.94	61.54																					
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.technical transfer				3.PRINCIPAL SOURCE OF INFORMATION																	
Topographic mapping						①②④																	
12.EXPENDITURE		(1) Technical meetings and transfer of knowledge through monthly meetings (2) Trainee: Four trainees visited Japan (3) Working with counterparts was conducted for field surveys, design works, cost estimates and so on.																					
<table border="1"> <thead> <tr> <th></th> <th>435,309 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>267,522</td> </tr> </tbody> </table>			435,309 (¥'000)	Total		Contracted	267,522																
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Total																							
Contracted	267,522																						

和名 バンパンガデルタ開発計画

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

# PROJECT SUMMARY (F/S)

ASE PHL/S 309/81

Compiled Mar.1990  
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																																																	
1.COUNTRY	Philippines	1.SITE OR AREA	Luzon, Mindoro, Lubang, Palawan, Panai, Tablas, Romblon																																																		
2.NAME OF STUDY	Rural Telecommunications Project in Regions III (Central Luzon) and IV (Southern Tagalog)	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>82,670</td> <td>8,470</td> <td>74,200</td> </tr> <tr> <td>(US\$1=215Yen=28.3P)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	82,670	8,470	74,200	(US\$1=215Yen=28.3P)																																							
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(US\$1=215Yen=28.3P)																																																					
3.SECTOR	Communications & Broadcasting/Telecommunication	3.CONTENTIS OF MAJOR PROJECT(S)	<table border="1"> <thead> <tr> <th></th> <th>Phase 1(1991)</th> <th>Phase 2(1994)</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Telephone Installation Plan</td> <td>8,210</td> <td>5,510</td> <td>13,720</td> </tr> <tr> <td>SHF system</td> <td>9 spans/466.3km</td> <td>2/115.4km</td> <td>11/581.7km</td> </tr> <tr> <td>UHF/VHF system</td> <td>34 spans</td> <td>110 spans</td> <td>144 spans</td> </tr> <tr> <td>Telex exchanges</td> <td>2</td> <td>5</td> <td>7</td> </tr> <tr> <td>Telex concentrator</td> <td>9</td> <td>5</td> <td>14</td> </tr> <tr> <td>Telex and dentex equipment</td> <td>38</td> <td>84</td> <td>122</td> </tr> <tr> <td>Trunk cable length</td> <td>78.2</td> <td>113.5</td> <td>191.7</td> </tr> <tr> <td>Local cable length</td> <td>238km</td> <td>133km</td> <td>371km</td> </tr> <tr> <td>Buildings</td> <td>54</td> <td>123</td> <td>177</td> </tr> <tr> <td>(Radio station, Telephone Office etc.)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Access roads</td> <td>32.5km</td> <td>55.7km</td> <td>88.2km</td> </tr> </tbody> </table>				Phase 1(1991)	Phase 2(1994)	Total	Telephone Installation Plan	8,210	5,510	13,720	SHF system	9 spans/466.3km	2/115.4km	11/581.7km	UHF/VHF system	34 spans	110 spans	144 spans	Telex exchanges	2	5	7	Telex concentrator	9	5	14	Telex and dentex equipment	38	84	122	Trunk cable length	78.2	113.5	191.7	Local cable length	238km	133km	371km	Buildings	54	123	177	(Radio station, Telephone Office etc.)				Access roads	32.5km	55.7km	88.2km
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4.REFERENCE NO.		(Description)  Dec.1987 OECF E/S loan agreement (707 million yen) Nov.1988 Contract signed with a consulting firm. Feb.1990 OECF loan agreement (21,752 million yen) The loan finances the telecommunication network connecting 71 cities in Regions III, IV and V with Manila and intra- and inter-city telephone exchanges.  May 1991 Contract signed with a contractor Jun.1991 Construction started Jul.1993 Construction is scheduled to be completed																																																			
5.TYPE OF STUDY	F/S																																																				
6.COUNTERPART AGENCY	Bureau of Telecommunications																																																				
7.OBJECTIVES OF STUDY	To determine the feasibility of the Rural Telecommunications Project in Regions III and IV.																																																				
8.DATE OF S/W	Apr.1980	Imp. Period:	.1982-.1986																																																		
9.CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1</th> <th>FIRR1</th> <th></th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>72.53</td> <td>7.26</td> <td></td> </tr> <tr> <td></td> <td>11.75</td> <td>6.89</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			Feasibility:	EIRR1	FIRR1		Yes	72.53	7.26			11.75	6.89																																					
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10.STUDY TEAM	No.of Members 13 Period Mar.1981-Mar.1982(12 months)  <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Total M/M	Japan	Field				Conditions and Development Impacts: 1) Rehabilitation of the existing old telecommunicating facilities at the objected areas. 2) Improvement of the telecommunications services at the objected areas. 3) Development in administrative efficiency and enhancement of timely administration. 4) Progress of regional industries and regional development. 5) Contribution to tourism and the tourist industry. 6) Development in living environment in rural areas. 7) Development of reliability of telecommunication and spread of demand for telecommunication.  Note: The EIRRs and FIRRs 1) and 2) above are for the Phase 1 and the entire project.																																													
Total M/M	Japan	Field																																																			
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.technical transfer	(1) Trainee acceptance; 2 counterparts invited to Japan (2) On-the-Job-Training for counterparts																																																		
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>46,006 (¥000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>15,139</td> </tr> </tbody> </table>		46,006 (¥000)	Total		Contracted	15,139	2.MAJOR REASONS FOR PRESENT STATUS (1) Effectiveness (2) High priority  3.PRINCIPAL SOURCE OF INFORMATION ①④																																													
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和名 中部ルソン電気通信網整備計画

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

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

ASE PHL/S 202A/82

Compiled Mar.1986  
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS																					
1.COUNTRY	Philippines	1.SITE OR AREA	Laoag district (Ilocos Norte Province), Legaspi City and Daraga Municipality (Albay Province), Tagbilaran City (Bohol Province)																						
2.NAME OF STUDY	Local Water Supply Projects	2.PROJECT COST	<table border="1"> <thead> <tr> <th>(US\$1,000)</th> <th>1)</th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1=7.80P)</td> <td>2)</td> <td>56,480</td> <td>21,860</td> <td>34,620</td> </tr> </tbody> </table>			(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost	(US\$1=7.80P)	2)	56,480	21,860	34,620										
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3.SECTOR	Public Utilities/Water Supply	3.CONTENTS OF MAJOR PROJECT(S)	<p>Phase Served Water (Target year) /Population /Demand(cu.m/day) / Facilities</p> <p>Basis (1982) 76,500 14,800</p> <p>Phase-1(1987) 116,760 28,933 Improvement of existing facilities Expansion of distribution pipelines</p> <p>Phase-2(1993) 206,690 45,608 Expansion of water facilities including new water resources</p> <p>Phase-3(2010) 358,811 71,231 More expansion of Phase-2</p> <p>The project cost 1)above is for the entire schemes. The project costs for different districts are as follows.</p> <table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <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>89,00</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> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	Laoag	24,280	9,200	15,080	Legaspi	11,940	4,740	7,200	Daraga	89,00	3,500	5,400	Tagbilaran	11,360	4,420	6,940
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4.REFERENCE NO.		4.CONDITIONS AND DEVELOPMENT IMPACTS	<p>Assumptions: Based on the served population, which was assumed to rise gradually, future water demand was projected.</p> <p>Development impacts: (1) Full utilization of the existing water sources. (2) Alleviation of the chronic water shortage (3) Expansion of the water supply system</p>																						
5.TYPE OF STUDY	M/P+(F/S)	5.technical transfer	<p>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 at project site.</p>																						
6.COUNTERPART AGENCY	Local Water Utilities Administration	6.PRINCIPAL SOURCE OF INFORMATION	①																						
7.OBJECTIVES OF STUDY	Planning on the water supply expansion plan up to the year 2010 and selection of emergency project.	7.MAJOR REASONS FOR PRESENT STATUS	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.																						
8.DATE OF S/W	Mar.1981	8.PRINCIPAL SOURCE OF INFORMATION	①																						
9.CONSULTANT(S)	Nihon Suido Consultants Co., Ltd.	9.PRINCIPAL SOURCE OF INFORMATION	①																						
10.STUDY TEAM	<p>No.of Members 9</p> <p>Period Jun.1981-Jun.1982(12 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>79.95</td> <td>34.72</td> <td>45.23</td> </tr> </tbody> </table>	Total M/M	Japan	Field	79.95	34.72	45.23	10.PRINCIPAL SOURCE OF INFORMATION	①																
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和名 地方都市上水道計画

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