

PROJECT SUMMARY (M/P+F/S)

Compiled Mar.1986
Revised Mar.1996

ASO PAK/S 202B/81

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 checked="" type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled													
2.NAME OF STUDY	Introduction of Containerization	Karachi																		
3.SECTOR	Transportation/Port	2.PROJECT COST (US\$1,000)				(Description) -The basic infrastructure was constructed in 1986 as 1st stage with ADB loan in the Qasim Port. -After the 1st stage project, there was an expansion project in the port, but the Master Plan proposed in the JICA study did not suit the actual conditions of the port. Therefore, a review of the Master Plan was required and the Government of Pakistan contacted the UK for assistance. However, no action has been taken to date to implement the restudy. (FY1991 Overseas Survey) Container Terminals at Karachi Port and Port Qasim will be developed by private sector. (FY1993 Overseas Survey) It is going to be implemented during the period from June, 1994 to June, 1996 by means of the financing to be arranged by the private sector in Australia with an amount of Rs. 160 million. The location of the container terminal at Port Qasim has been changed by the private sector who wishes to save the investment. And the private sector offered to establish two berths of container terminal, each berth having 300 meters quay wall. (FY1994 Domestic Survey) No additional information. (FY1994 Overseas Survey) (1)Container terminal : Both Karachi and Qasim ports were reluctant to build container terminals just after the F/S. No progress was found even when 12years passed after the F/S. : JICA's M/P is not reconciled. : According to the policy change of the government, a policy of privatization promotion was employed. The private sector is now examining a plan to change the existing berth at Karachi and Qasim ports to the container terminals thereat. : A private firm is negotiating with Karachi port authority about a transformation project of a container terminal based upon BOT method. : An Australian private firm is planning to transform existing two berths (total cost: A\$ 160mil., June 1994-June1996). A civil lawsuit concerning the company's bid is under deliberation (the Australian firm won at the high court). The container terminal plan at Qasim port was partially changed (some buildings were relocated from the west bank, according to the JICA plan, to the south). The size of the terminal is not changed.														
4.REFERENCE NO.		M/P 1)	313,432 Local	112,917 Foreign	200,515															
5.TYPE OF STUDY	M/P+F/S	2)	301,984 Cost	107,472 Cost	194,512															
6.COUNTERPART AGENCY	Ports and Shipping Wing, Ministry of Communication	F/S 1)	115,472	43,299	72,173															
7.OBJECTIVES OF STUDY	Preparation of long-term project and short-term development plan of container terminal	2)	103,018	38,594	64,424															
8.DATE OF SAW	1980/7	3)	65,904	20,560	45,344															
9.CONSULTANT(S)	Overseas Coastal Area Development Institute	3.CONTENTS OF MAJOR PROJECT(S)																		
10.STUDY TEAM	No.of Members 10 Period Nov.1980-Mar.1982(16 months)	<M/P> 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 <F/S>Urgent Improvement Plan <table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">Karachi</td> <td style="text-align: center;">Qasim</td> </tr> <tr> <td>Container berth</td> <td style="text-align: center;">600m</td> <td style="text-align: center;">600m</td> </tr> <tr> <td>Container Terminal</td> <td style="text-align: center;">282,400sq.m</td> <td style="text-align: center;">282,400sq.m</td> </tr> <tr> <td>Railway</td> <td style="text-align: center;">11,700m</td> <td style="text-align: center;">5,500m</td> </tr> <tr> <td>Roads</td> <td style="text-align: center;">4,700m</td> <td style="text-align: center;">2,500m</td> </tr> </table> Budget 1) for Karachi Port, 2) for Qasim Port and FIRR 3) for Inland CFS					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																		
Container berth	600m	600m																		
Container Terminal	282,400sq.m	282,400sq.m																		
Railway	11,700m	5,500m																		
Roads	4,700m	2,500m																		
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	None	4.FEASIBILITY AND ITS ASSUMPTIONS																		
12.EXPENDITURE	Total 142,298 (¥000) Contracted 134,266	Imp. Period: 1982.1-1986.12 <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Feasibility:</td> <td style="width: 15%;">EIRR1)</td> <td style="width: 15%;">14.30</td> <td style="width: 15%;">FIRR1)</td> <td style="width: 15%;">11.20</td> </tr> <tr> <td></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> </table> Conditions and Development Impacts: <M/P>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. <F/S>[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. [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.				Feasibility:	EIRR1)	14.30	FIRR1)	11.20		EIRR2)	12.20	FIRR2)			EIRR3)		FIRR3)	
Feasibility:	EIRR1)	14.30	FIRR1)	11.20																
	EIRR2)	12.20	FIRR2)																	
	EIRR3)		FIRR3)																	
		5. TECHNICAL TRANSFER				2.MAJOR REASONS FOR PRESENT STATUS														
		Counterpart training (4 persons) Instruction on method of port planning and feasibility study				3.PRINCIPAL SOURCE OF INFORMATION														
						①, ③, ⑥ Port and Shipping Wing, Ministry of Communication														

和名 コンテナ輸送導入計画

状況 (要約表添付文書)

ASO PAK/S 202B/81	(M/P+F/S)
Name of Introduction of Containerization Study	
Country	Pakistan
Type of Study	M/P+F/S
Sector	Transportation/Port
Present Status: Partially Completed	
(Description)	
<p>-The basic infrastructure was constructed in 1986 as 1st stage with ADB loan in the Qasim Port.</p> <p>-After the 1st stage project, there was an expansion project in the port, but the Master Plan proposed in the JICA study did not suit the actual conditions of the port. Therefore, a review of the Master Plan was required and the Government of Pakistan contacted the UK for assistance. However, no action has been taken to date to implement the restudy.</p> <p>(FY1991 Overseas Survey) Container Terminals at Karachi Port and Port Qasim will be developed by private sector.</p> <p>(FY1993 Overseas Survey) It is going to be implemented during the period from June, 1994 to June, 1996 by means of the financing to be arranged by the private sector in Australia with an amount of Rs. 160 million. The location of the container terminal at Port Qasim has been changed by the private sector who wishes to save the investment. And the private sector offered to establish two berths of container terminal, each berth having 300 meters quay wall.</p> <p>(FY1994 Domestic Survey) No additional information.</p> <p>(FY1994 Overseas Survey) (1) Container terminal : Both Karachi and Qasim ports were reluctant to build container terminals just after the F/S. No progress was found even when 12 years passed after the F/S. : JICA's M/P is not reconciled. : According to the policy change of the government, a policy of privatization promotion was employed. The private sector is now examining a plan to change the existing berth at Karachi and Qasim ports to the container terminals thereat. : A private firm is negotiating with Karachi port authority about a transformation project of a container terminal based upon BOT method. : An Australian private firm is planning to transform existing two berths (total cost: A\$ 160mil., June 1994-June 1996). A civil lawsuit concerning the company's bid is under deliberation (the Australian firm won at the high court). The container terminal plan at Qasim port was partially changed (some buildings were relocated from the west bank, according to the JICA plan, to the south). The size of the terminal is not changed. (2) Inland container freight station (ICFS) : The ICFS is not built yet at Lahore. : In December 1994, Pakistan Railways presented a conceptual design to build ICFS changing the construction site. Sheikhupura at the northwestern district was selected for the location instead of Kahna Kacha at the south of Lahore. Implementation based upon private funds, such as BOT, is now under deliberation.</p> <p>(FY1995 Domestic Survey) No additional information.</p>	

PROJECT SUMMARY (F/S)

Compiled Mar.1990
Revised Mar.1996

ASO PAK/A 301/82

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		1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled	
2. NAME OF STUDY	Agricultural Development Project with Widening of Pat Feeder Canal	2. PROJECT COST		Total Cost	Local Cost			Foreign Cost
3. SECTOR	Agriculture/Irrigation, Drainage & Reclamation			(US\$1,000)	1) 193,810	2) 172,000	(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. In addition short-term expert (irrigation and water management) was sent in Oct. 1992. Mar.1988 E/N signed (396 million yen) Aug.1988 E/N signed (1,668 million yen) (FY 1993 Overseas Survey) Unlined water courses were proposed. But now 10-30% Lining of water courses is provided like OEW project. This change will be implemented in the proposed Pat Feeder Command Area Development Project co-financed by IFAD. It is expected to start on July-1994. (FY1995 Domestic Survey) ADB is implementing the construction work. (FY1995 Overseas Survey) 10% Lining of water courses is scheduled to be completed in June, 2002 with IFAD fund.	
4. REFERENCE NO.		3. CONTENTS 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.				
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS		Feasibility:	EIRR1) 16.00	FIRR1)		
6. COUNTERPART AGENCY	Ministry of Economy, Baluchistan Provincial Bureau of Water Power Generation			Yes	EIRR2) 14.60	FIRR2)		
7. OBJECTIVES OF STUDY	Feasibility study on the improvement planning of irrigation and drainage				EIRR3)	FIRR3)		
8. DATE OF S/W	1982/2	Imp. Period:		1982.6-1982.12		(FY1995 Overseas Survey) 10% Lining of water courses is scheduled to be completed in June, 2002 with IFAD fund.		
9. CONSULTANT(S)	Sanyu Consultants Inc.	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.		2. MAJOR REASONS FOR PRESENT STATUS		
10. STUDY TEAM	No. of Members 12 Period Feb.1982-Jan.1983 (12 months)	5. TECHNICAL TRANSFER		In the process of survey and study, technology was transferred to the local counterparts.		3. PRINCIPAL SOURCE OF INFORMATION		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	None					①, ②, ③		
12. EXPENDITURE	Total 127,562 (¥000) Contracted 119,996							

和名 パットフィーダー水路拡張計画

(F/S,D/D)

PROJECT SUMMARY (F/S)

Compiled Mar.1990
Revised Mar.1996

ASO PAK/S 302/83

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"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled				
2.NAME OF STUDY Pakistan Railways Locomotives Manufacturing Factory Project		Bara Bandah, Nowshera, Northwest Frontier Province									
3.SECTOR Transportation/Railway		2.PROJECT COST		Total Cost	Local Cost	Foreign Cost					
4.REFERENCE NO.		(US\$1,000)	1)	66,000	40,000	26,000					
5.TYPE OF STUDY F/S		(US\$1=13.8Rs)	2)								
6.COUNTERPART AGENCY Ministry of Railways, the Government of Pakistan		3)	3.CONTENTS OF MAJOR PROJECT(S)								
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		Construction of a locomotive factory for domestic production of 25 diesel electric locomotives (50 locomotives in future) per year (1) Construction of locomotive factory (2) Domestic production plan 1st phase(to be completed in one year after the opening of the factory) --- Domestic production ratio, 20% 2nd phase(to be completed in 2 to 5 years after the opening) --- 30-35% 3rd phase(to be completed in about 10 years after the opening) --- 50%				(Description) It was decided to implement the project in accordance with the recommendations of the study team, and the work started with OECF loans. Feb.1984 OECF loan agreement on the locomotive plant (9,760 million yen) May 1984 Consulting service agreement signed July 1984 Consulting service started 1985 D/D completed 1989 Evaluation of tenders completed Feb.1990 Construction started Feb.1991 Installation of equipment started Aug.1993 OECF L/A on the rehabilitation of locomotives (6,001 million yen) Aug.1993 OECF L/A on the manufacture of diesel locomotives (6,067 million yen) (FY1993 Overseas Survey) Construction was completed in December 1993. 38 Diesel Locomotives (30 completed and 8 knocked-down) were provided by using the Japan's Yen Loan (L/A in Dec.1980, The railway transportation capacity increasing project, 9 billion Yen). (FY1994 Domestic Survey) No information. (FY1994 Overseas Survey) After the completion of the factory, 5 diesel locomotives were built at the factory, with parts/devices purchased in February 1984 with an OECF loan. Moreover, L/A of another OECF loan (6.7 billion yen) was concluded in August 1994, and parts/devices for 18 diesel locomotives will be purchased. Eight locomotives in the second year and ten in the third year will be produced at the factory using those parts/devices. (FY1995 Domestic Survey) No additional information.					
8.DATE OF S/W 1982/3		Imp. Period:		1984.6-1989.6							
9.CONSULTANT(S) Japan Railway Technical Service		4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 12.50		FIRR1) 10.00				
10.STUDY TEAM				EIRR2)	FIRR2)						
				EIRR3)	FIRR3)						
No.of Members 12 Period Mar.1982-May.1983(14 months) <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">Japan</td> <td style="text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">74.44</td> <td style="text-align: center;">59.70</td> <td style="text-align: center;">14.74</td> </tr> </table>		Total M/M	Japan	Field	74.44	59.70	14.74	Conditions and Development Impacts: [Conditions] The market price of April,1982 was chosen as a reference price. The project life is set at 33 years.(30 years after completion of the factory.) (Development Impacts) Reinforcement of railway transport capacity will promote nationwide development and contribute towards activation of the economy in the Northwest Frontier region where infrastructure is lacking. A reduction in the use of foreign currency reserves is also expected because the supply of locomotives is at present entirely dependent on imports.			
Total M/M	Japan	Field									
74.44	59.70	14.74									
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY None		5.technical transfer				2.MAJOR REASONS FOR PRESENT STATUS					
12.EXPENDITURE		Two counterparts received training in Japan from JICA under the Colombo Plan.				3.PRINCIPAL SOURCE OF INFORMATION					
Total 168,180 (Y'000)						①, ②, ④					
Contracted 143,335											

PROJECT SUMMARY (F/S)

Compiled Mar.1988
Revised Mar.1996

ASO PAK/S 303/84

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			1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled		
2. NAME OF STUDY		2. PROJECT COST		Total Cost	Local Cost			Foreign Cost	
Conduction of Water from Khanpur to Islamabad/Rawalpindi		(US\$1,000)		1) 113,235	66,435			46,800	
				2) 32,824	19,406	13,418			
				3) 24,529	15,835	8,694			
3. SECTOR		3. CONTENTS OF MAJOR PROJECT(S)							
Public Utilities/Water Supply		Equipment & Scale Raw Water Conveyance Intake Tower: 6.74cu.m/sec Facility Aqueduct: 13.1km Water Filtration Plant Max.Capacity 522,000cu.m/day Distribution Main Line 700mm-1.5km(2 lines) 1.500mm-1.6km 1.500mm-6.5km(2 lines) Distribution Pond 13,000cu.m, PC Type X 2 16,000cu.m, PC Type X 1 Note: The a/m costs are 1) for Phase I, 2) for Phase II and 3) for Phase III.							
4. REFERENCE NO.		(Description) Oct.1987 Request for Yen Credit from Pakistan Government Mar.1989 OECF loan agreement (12,518 million yen) (FY1991 Overseas Survey) Mar.1990 - Feb.1991 D/D undertaken 1992 - 1994 The construction shall be implemented (FY1992 Overseas Survey) 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. (FY 1993 Overseas Survey) - Fund from Federal and Punjab government were decided. So this project would be implemented until 1995 or 1996. - Not only OECF but also Bank of Tokyo has fund for this project. (FY1995 Domestic Survey) It is expected to commence the implementation in the near future as the domestic financing become available. (FY1995 Overseas Survey) Feb. 1995 Construction started. (Oct. 1997 scheduled to be completed)							
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 SAV		1983/12		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 FIRR1) 6.60 EIRR2) FIRR2) EIRR3) FIRR3)			
10. STUDY TEAM		Conditions and Development Impacts: [Prior conditions] EIRR FIRR 1) Recovery Period 24 years 36 years 2) Discount Rate 0% 0% Benefit (Rp. million) 19,858 27,260 Cost () 6,410 17,040 Net Current Value(*) 13,248 10,219 Benefit Cost Ratio 3.07% 1.60% [Development Impacts] Supply of city water (Average 420,000T/day. Max. 523,600T/day) to 2 cities of Islamabad and Rawalpindi. (Target of completion: year 2000) The whole projects is divided into 3 phases and scheduled to take 15 years between 1985 and 2000.							
		No. of Members 9		Period Jul.1984-Mar.1985(9 months)		2. MAJOR REASONS FOR PRESENT STATUS			
		Total M/M Japan Field		61.98 21.49 40.49		The project was delayed due to the difficulties concerning the land acquisition and the fund-raising.			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		None							
12. EXPENDITURE		170,231 (¥'000)		5. TECHNICAL TRANSFER					
Total		166,887		Acceptance of 3 trainees from the local counterpart					
Contracted				3. PRINCIPAL SOURCE OF INFORMATION					
				①, ②, ④					

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,D/D)

PROJECT SUMMARY (M/P)

Compiled Mar.1990
Revised Mar.1996

ASO PAK/A 101/85

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	(Description) (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 UKID was done in 1988 (FY1991 Overseas Survey) No additional information. (FY1992 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 (FY1994 Domestic Survey)(FY1995 Domestic Survey) No additional information. (FY1995 Overseas Survey) The construction was completed in 1991. The study findings like maps and basic data have been found very useful.	
3.SECTOR	Agriculture/(Agriculture in)General	(US\$1,000)	1) 210,925	2)		
4.REFERENCE NO.		3.CONTENT(S) 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.	
5.TYPE OF STUDY	M/P	4.CONDITIONS AND DEVELOPMENT IMPACTS				
6.COUNTERPART AGENCY	Ministry of Local Government and Rural Development, Capital Development Authority (CDA)	[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	
7.OBJECTIVES OF STUDY	Draw up a M/P to enforce the basic conditions to increase agricultural products, opportunities of employment and revenues for farmhouses in order to promote the integrated development of rural area included in Islamabad capital territory.	10.STUDY TEAM				
8.DATE OF SAV	1984/11	No.of Members 16 Period Feb.1985-Mar.1986(14 months)			3.PRINCIPAL SOURCE OF INFORMATION ①, ②, ③	
9.CONSULTANT(S)	Chuo Kaihatsu International Corp. Nippon Giken Inc. Japan Engineering Consultants Co., Ltd.	Total M/M Japan Field 72.06 47.70				
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	None	5.TECHNICAL TRANSFER			12.EXPENDITURE	
12.EXPENDITURE		(1) Training in Japan (2 persons) (2) OJT				
	Total 212,498 (¥000)	Contracted 195,893				

和名 農村総合開発計画

(M/P,Basic Study,Other)

PROJECT SUMMARY (F/S)

Compiled Mar.1990

Revised Mar.1996

ASO PAK/A 302/86

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Pakistan	1.SITE OR AREA				I.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing
2.NAME OF STUDY Baluchistan Irrigation Development Project through Groundwater Development		Baluchistan, Quetta and Kalat areas (40,000 ha, 11,500 people)					
3.SECTOR Agriculture/(Agriculture in)General		2.PROJECT COST (US\$1,000)		Total Cost	Local Cost	Foreign Cost	
4.REFERENCE NO.				1) 1,826	1,278	548	
5.TYPE OF STUDY		F/S		2) US\$1=17.5Rs.in 1987			
6.COUNTERPART AGENCY Ministry of Economic Affairs and Finance, Government of Pakistan.Government of Baluchistan		3.CONTENTS OF MAJOR PROJECT(S)				(Description) (FY 1991 Overseas Survey) Sept.1986 - Dec.1987 D/D undertaken by Japanese cooperation (FY 1992 Overseas Survey) 1) Grant provision of equipment three well-digging machines (to Baluchistan Development Authority) in 1987 two well-digging machines (to WAPBA) in 1990 two well-digging machines (to PHED) in 1991 Water resources development for water supply are being carried out by using the granted equipment (Public Health Department or PHED, established within the state government is in charge) 2) The underwater irrigation plan has not been implemented due to a lack of fund (FY1993 Overseas Survey) Granted equipments are used effectively. But underwater irrigation plan has no progress. (FY1994 Domestic Survey) No additional information. (FY1995 Domestic Survey) As the grant aid to supply equipment is requested on 1995, implementation of the basic design is going to be commenced on Sep., 1995. (FY1995 Overseas Survey) The underwater irrigation plan has been delayed due to a lack of fund.	
7.OBJECTIVES OF STUDY F/S evaluation for agricultural development basing on groundwater research for fissure water		Wells (18") : 18 Arterial drainage : 1 km Farm pond : 3 Arterial farm road : 1.6 km Above-mentioned facility elements are for 10ha model farm plot. It is required to carry out the ground water investigation to clarify the development potentiality.					
8.DATE OF SAW		1986/3		Imp. Period: 1988. -1990.			
9.CONSULTANT(S) Pacific Consultants International Nihon Norin Helicopter Co., Ltd. Sanyu Consultants Inc.		4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 12.90 EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)	
10.STUDY TEAM		Conditions and Development Impacts: [Pre-conditions] - Farm size to be more than 5.0ha. - Well capacity to be more than 10.0 lit./sec - 3 years cropping rotation with vegetable and fruit - 27km approach road and 22km feeder line to be subsidized by the Government [Impacts] - Improving regional differences - Improving managed agriculture - Improving regional traffic - Improving the level of public hygiene					
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY Geological Survey		5.TECHNICAL TRANSFER					
12.EXPENDITURE		Total 346,111 (¥000)		1.Acceptance of trainees(3) 2.Providing machinery and instruction on its use 3.OJT			
		Contracted 327,436		3.PRINCIPAL SOURCE OF INFORMATION ①, ②, ③			
		2.MAJOR REASONS FOR PRESENT STATUS					

PROJECT SUMMARY (M/P)

Compiled Mar. 1990
Revised Mar. 1996

ASO PAK/S 102/87

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	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued																
2. NAME OF STUDY	Water Resources Development Potential for the Metropolitan Area of Islamabad/Rawalpindi	2. PROJECT COST	Total Cost	Local Cost	Foreign Cost	(Description) 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. 1) Construction of water from Khanpur to Islamabad/Rawalpindi Mar. 1989 OECF loan agreement signed (12.52 billion yen) 2) Construction of Simly Dam Mar. 1986 OECF loan agreement signed (5,750 million yen) (FY 1991 Overseas Survey) 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. 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. (FY 1993 Overseas Survey) Tenders for some of the contract packages for Khanpur Water Supply Project have been carried out. This project would be completed in 1995 or 1996. (FY1995 Domestic Survey) (FY1995 Overseas Survey) No additional information.																
3. SECTOR	Social Infrastructure/Water Resource Development	(US\$1,000)	1) 970,588	533,823	436,765																	
4. REFERENCE NO.		(US\$1=17.0Rs)	2)																			
5. TYPE OF STUDY	M/P	3. CONTENTS OF MAJOR PROJECT(S)																				
6. COUNTERPART AGENCY	Capital Development Authority	The Study proposed the improvement of the control system for 3 existing dams (Rawal, Simly & Khanpur) and the construction of 5 new dams (Haro, Dor & Soan Rivers) to realize the effective utilization of water sources. 1. Projects proposed for the target year of 2000. 1) Construction of water conveyance facilities from Khanpur (to be completed in 1991) 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) 3) Implementation and completion of the improvements proposed in Islamabad and Rawalpindi 2. Projects proposed for the target year of 2010 1) Completion of R----- Dam (to be completed in 2005) 2) Construction of D----- Dam (to be completed in 2009) 3. Projects proposed for the target year of 2030 1) Study, project preparation and construction of R----- Dam, N----- Weir and Dor water conveyance facilities (to be completed in 2015) 2) Study, project preparation and construction of P---- Dam (to be completed in 2019) 3) Study, project preparation and construction of D----- Dam (to be completed in 2025)																				
7. OBJECTIVES OF STUDY	Investigation into the Possibility of water resource development in capital area	4. CONDITIONS AND DEVELOPMENT IMPACTS																				
8. DATE OF SAV	1986/8	[Conditions] 1) Population in the capital area of 3,267,000 in 2030, and per capita water demand of 475 liters 2) Required water totals 830 MCM per year, including irrigation requirements and the water supply to the airport and industries. Rough estimates of selected water demands in 2030, investment costs and EIRRs are shown below.																				
9. CONSULTANT(S)	Sanyu Consultants Inc. Yachiyo Engineering Co., Ltd.	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Demand</th> <th style="text-align: center;">Investment</th> <th style="text-align: center;">EIRR</th> </tr> </thead> <tbody> <tr> <td>General Urban Water Supply</td> <td style="text-align: center;">428MCM</td> <td style="text-align: center;">11,530 mil. Eps</td> <td style="text-align: center;">3.78</td> </tr> <tr> <td>Irrigation</td> <td style="text-align: center;">120</td> <td style="text-align: center;">1,180</td> <td style="text-align: center;">8.1</td> </tr> <tr> <td>New Airport</td> <td style="text-align: center;">2.5</td> <td style="text-align: center;">14.2</td> <td style="text-align: center;">16.1</td> </tr> </tbody> </table>				Demand	Investment	EIRR	General Urban Water Supply	428MCM	11,530 mil. Eps	3.78	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. Eps	3.78																			
Irrigation	120	1,180	8.1																			
New Airport	2.5	14.2	16.1																			
10. STUDY TEAM	No. of Members 11 Period Nov. 1986-Feb. 1988 (16 months)																					
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Total M/M</th> <th style="text-align: center;">Japan</th> <th style="text-align: center;">Field</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">80.30</td> <td style="text-align: center;">25.60</td> <td style="text-align: center;">54.70</td> </tr> </tbody> </table>		Total M/M	Japan	Field	80.30	25.60	54.70				2. MAJOR REASONS FOR PRESENT STATUS											
Total M/M	Japan	Field																				
80.30	25.60	54.70																				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Investigation of aquifer by electric exploration method and related survey works																					
12. EXPENDITURE	Total 227,291 (¥000) Contracted 212,954	5. TECHNICAL TRANSFER			3. PRINCIPAL SOURCE OF INFORMATION																	
		(1) Explanation of various analysis methods (2) Training of an engineer in charge of geology in Japan (Analysis of aquifer by means of computer)			①, ②, ④																	

PROJECT SUMMARY (M/P)

Compiled Mar.1990

Revised Mar.1996

ASO PAK/S 103/87

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS										
1. COUNTRY	Pakistan	1. SITE OR AREA	Pakistan(whole country)			1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued									
2. NAME OF STUDY	National Transport Plan(follow-up)	2. PROJECT COST					(US\$1,000)	Total Cost	Local Cost	Foreign Cost					
3. SECTOR	Transportation/(Transportation in)General	3. CONTENTS OF MAJOR PROJECT(S)	1)	28,550	8,565	19,985									
4. REFERENCE NO.		Railways : Improvement of signal system, Track doubling & electrification, Locomotive enforcement, Cargo terminals, Inland dry ports, etc. Roads : Increase the capacities of trunk road network system including Indus Highway, Maintenance system improvement and work's implementation, and others Ports : Improvement of container facilities in Karachi and Qasim, warehouses and approach roads, oil berths, etc. Airports : Improvement of terminal facilities and runways, communication and navigation aid systems, etc. R & D : Research and development studies in the establishment of transport date base, profitability & fare levels, urban transport planning, etc. Budget 1) for Road and 2) for Railways	2)	38,000	11,400	26,600									
5. TYPE OF STUDY	M/P		4. CONDITIONS AND DEVELOPMENT IMPACTS	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).											
6. COUNTERPART AGENCY	Planning Commission, Transport and Communications Section	7. OBJECTIVES OF STUDY	(FY1993 Domestic Survey) The 7th plan period was over mid-1993. Review of the initial plan and completion will be done by the national transport plan study of 1994. (FY1994 Domestic Survey) The National Transport Plan (the 8th 5-year plan) has been undertaken by JICA since Jan.1994 lasting in Mar.1995. (FY1994 Overseas Survey) This M/P was utilized for the transportation/traffic sector of the seventh five-year project (FY1988/89-1992/93) conducted by the Pakistani government. The current status of additionally suggested action items relating to the project is: (1) Indus Highway : This highway, totally 1,200km length, runs from the north to the south through the west side of the Indus River basin and leads from Peshawar (near to Islamabad) to Kotri (near to Karachi). All the route is an amendment (in terms of the linear-shape adjustment and pavement) of an existing road except for a 240km newly created road that directly leads to Karachi. : This highway construction plan is, according to the priority based upon pavement status and traffic volume at each region, divided into three phases (Phase I, II and III). Both Phase I and II will be finished in 1996. 1989 Mar. : OECF L/A concluded (Phase I, foreign currency 8.5bill. yen, domestic currency 3.64bill. yen) 1994 Jan. : OECF L/A concluded (Phase II, foreign currency 45.8bill. yen, domestic currency 8.08bill. yen) & 1993 Aug. : OECF loan for Phase III will be decided with the progress result of I and II. (2) Additional carriageway project (N-5: Karachi-Lahore-Islamabad). Sections between i)Nowshera and Cablet, ii)Rawalpindi and Kharian will be expanded to 4-lane width. Finance for this project is negotiated with the World Bank. (3) Construction of the Great Bridge between Sukkar and Rohri A bridge over the Indus will be built at Sukkar. Total cost of the construction is not fixed yet, but a loan from ADB was admitted in 1994.												
8. DATE OF SAV	1986/11						10. STUDY TEAM	2. MAJOR REASONS FOR PRESENT STATUS							
9. CONSULTANT(S)	Pacific Consultants International ALMEC Corporation Japan Railway Technical Service Overseas Coastal Area Development Institute	No. of Members 15 Period Jan.1987-Mar.1988(15 months)													
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		12. EXPENDITURE		3. PRINCIPAL SOURCE OF INFORMATION ①, ②, ③											
None		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">Total</td> <td style="width: 15%; text-align: center;">285,090 (¥'000)</td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> <tr> <td></td> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">274,030</td> <td></td> <td></td> <td></td> </tr> </table>						Total	285,090 (¥'000)					Contracted	274,030
	Total	285,090 (¥'000)													
	Contracted	274,030													

状況 (要約表添付文書)

ASO PAK/S 103/87	(M/P)
Name of National Transport Plan(follow-up)	
Study	
Country	Pakistan
Type of Study	M/P
Sector	Transportation/(Transportation in)General
Present Status: In progress or In use	
(Description)	
<p>*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. OECF signed L/A on Indus Highway Project Phase II B in Aug. 1993. The amount of this loan was 18,214 million yen. The JICA study (M/P) was completed on Lahore urban transport system in Oct.1991. Phase III will start in 1994.</p>	
<p>(FY1993 Domestic Survey) The 7th plan period was over mid-1993. Review of the initial plan and completion will be done by the national transport plan study of 1994.</p>	
<p>(FY1994 Domestic Survey) The National Transport Plan (the 8th 5-year plan) has been undertaken by JICA since Jan.1994 lasting in Mar.1995.</p>	
<p>(FY1994 Overseas Survey) This M/P was utilized for the transportation/traffic sector of the seventh five-year project (FY1988/89-1992/93) conducted by the Pakistani government. The current status of additionally suggested action items relating to the project is:</p>	
<p>(1) Indus Highway : This highway, totally 1,200km length, runs from the north to the south through the west side of the Indus River basin and leads from Peshawar (near to Islamabad) to Kotri (near to Karachi). All the route is an amendment (in terms of the linear-shape adjustment and pavement) of an existing road except for a 240km newly created road that directly leads to Karachi. : This highway construction plan is, according to the priority based upon pavement status and traffic volume at each region, divided into three phases (Phase I, II and III). Both Phase I and II will be finished in 1996.</p>	
<p>1989 Mar. : OECF L/A concluded (Phase I, foreign currency 8.5bill. yen, domestic currency 3.64bill. yen) 1994 Jan. : OECF L/A concluded (Phase II, foreign currency & 1993 Aug 45.8bill.yen, domestic currency 8.08bill. yen) OECF loan for Phase III will be decided with the progress result of I and II.</p>	
<p>(2) Additional carriageway project (N-5; Karachi-Lahore-Islamabad) Sections between i)Nowshera and Cablet, ii)Rawalpindi and Kharian will be expanded to 4-lane width. Finance for this project is negotiated with the World Bank.</p>	
<p>(3) Construction of the Great Bridge between Sukkar and Rohri A bridge over the Indus will be built at Sukkar. Total cost of the construction is not fixed yet, but a loan from ADB was admitted in 1994.</p>	
<p>(4) Creation of road traffic database Enforcement of the National Transport Research Centre and creation of traffic database were recommended. However, the project does not proceed smoothly.</p>	
<p>(FY1995 Domestic Survey) It is planned to implement phase-III of the Indus Highway Project after 1996.</p>	

PROJECT SUMMARY (F/S)

Compiled Mar.1990
Revised Mar.1996

ASO PAK/A 303/88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT			
1.COUNTRY	Pakistan	1.SITE OR AREA	Irrigation development with 6,600 ha irrigable area through water resources development of upper Kurang River			1.PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input checked="" type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Discontinued or Cancelled		
2.NAME OF STUDY Upper Kurang River Irrigation Project		2.PROJECT COST		Total Cost	Local Cost				
		(US\$1,000)		76,902	38,318				
		(US\$1=17.3rupee in 1987)		1)	2)				
				3)	38,584				
3.SECTOR Agriculture/(Agriculture in)General		3.CONTENTS OF MAJOR PROJECT(S)				(Description) After the completion of F/S study, the Government of Pakistan has decided to suspend the project, because the benefitable area of the project engulfs part of city districts (which is called park areas by the Government of Pakistan). However, Sanyu Consultants Inc. is recently requested by the Government of Pakistan to make a conception paper for the project in order to coordinator among the authorities concerned, and it is submitted in Feb., 1990 to the Government of Pakistan. (FY 1991 Overseas Survey) 1,359 million Rupee is desired to be funded from OECF. (FY 1992 Overseas Survey) 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 reconsidered. Place a higher priority on the water supply in the metropolitan area. (FY 1993 Overseas Survey) Feasibility of the proposed irrigation project is questioned because of high cost of water. Drinking water supply for metropolitan area is considered with high priority. (FY1995 Domestic Survey) As the limited volume of water will be supplied for the drinking water with higher priority, the irrigation project may be with high possibility to be vanished. (FY1995 Overseas Survey) No additional information.			
4.REFERENCE NO.		- Water resources: K-2 dam (zone-type fill dam whose height and effective capacity is 53 m and 18.5 MCM, respectively) - Canal: Total length of main and branch canals is 130 km - Off-farm facilities: 6,600 ha - Road Network: 18.6 km - Agriculture-supporting facilities: Buildings, agricultural machinery, etc.							
5.TYPE OF STUDY								F/S	
6.COUNTERPART AGENCY								Islamabad Capital Territory Administration (ICTA)	
7.OBJECTIVES OF STUDY								Feasibility study on the irrigated agricultural development in the metropolitan area of Islamabad	
8.DATE OF SAW		1988/2		Imp. Period: 1987.7-1988.2					
9.CONSULTANT(S)		4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 13.00 EIRR2) EIRR3)	FIRR1) 12.70 FIRR2) FIRR3)			
10.STUDY TEAM		Conditions and Development Impacts: The water resources development of upper Kurang River, together with effective utilization of irrigation water for rainfed paddy production in the rural areas of Islamabad capital territory, brings about better supply of vegetables, fruit, and dairy products which requires quick delivery to the neighboring big markets in the capital territory, and improve/stabilize the regional farm households' economy.							
No. of Members 10 Period Aug.1987-Mar.1988(8 months)									
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							
12.EXPENDITURE		5.TECHNICAL TRANSFER				3.PRINCIPAL SOURCE OF INFORMATION			
Total		Technology transfer to government officials both in Pakistan and in Japan was done.				①, ②, ③			
Contracted		173,991 (¥'000)							
155,446									

PROJECT SUMMARY (M/P+F/S)

Compiled Mar.1991
Revised Mar.1996

ASO PAK/A 201B/89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT							
1. COUNTRY	Pakistan	1. SITE OR AREA		Shangla Par District in NWFP		1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled						
2. NAME OF STUDY	Swat District Integrated Rural Development Project	2. PROJECT COST	M/P 1) 745,380 Local Cost	339,575 Foreign Cost	405,805								
3. SECTOR	Agriculture/(Agriculture in)General		US\$1=21R	F/S 1) 99,710	45,270	(Description) A pre-feasibility study was conducted on the first priority project selected among the masterplan area, for which Pakistan Government will request to the Japanese Government the Grant-aid of FY 1992. The component of the project will be as follows: - Agricultural Infrastructure Improvement - Agricultural Development - Road Networks Improvement - Village Water Supply Estimated Cost: US\$15.19 million (FY 1992 Overseas Survey) The request for a grant aid has not been approved because the MIRAD project, which is a comprehensive rural development project of similar nature to this is on-going and needs to be closely monitored before the implementation of this project. (FY 1993 Overseas Survey) There is no progress. (FY1995 Domestic Survey) Above-mentioned requests for the grant aid are continuously followed. (FY1995 Overseas Survey) No additional information.							
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)											
5. TYPE OF STUDY	M/P+F/S	Priority Development Project 1. Agri. Infrastructure Development - Irrigation - Small Scale Irrigation Scheme 18 pla. - Spring Water Tank Irrigation 30 pla. - Kabalgram Irri. Scheme 320 ha. - Sandai-Aloch Irri. & Hydel Power Scheme 352 ha. - Choga Irri. & Hydel Scheme 170 ha. - Chakesar Irri. & Hydel Scheme 110 ha. 2. Agri. Supporting Service Development 3. Road Improvement 103.5km ; Road Construction 176.0km 4. Rural Electrification 26,700H 5. New Water Supply System 22,300H 6. Rural Infrastructure Development 7. Village Community Development											
6. COUNTERPART AGENCY	NWFP, Local Government and Rural Development Department	4. FEASIBILITY AND ITS ASSUMPTIONS											
7. OBJECTIVES OF STUDY	Draw up integrated rural development plan and carry out the F/S for the area which is given the priority.	Imp. Period: 1990.1-2005.12 Feasibility: Yes EIRR1) 10.30 FIRR1) EIRR2) 8.50 FIRR2) EIRR3) 2.80 FIRR3)											
8. DATE OF SAV	1988/4	10. STUDY TEAM No. of Members 9 Period Oct.1988-Dec.1989 (15 months) <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">Japan</td> <td style="text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">49.77</td> <td style="text-align: center;">20.59</td> <td style="text-align: center;">29.18</td> </tr> </table>						Total M/M	Japan	Field	49.77	20.59	29.18
Total M/M	Japan							Field					
49.77	20.59	29.18											
9. CONSULTANT(S)	Sanyu Consultants Inc. Pacific Consultants International	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY None											
12. EXPENDITURE	Total 165,783 (¥'000) Contracted 158,592							5. TECHNICAL TRANSFER					
		3. PRINCIPAL SOURCE OF INFORMATION ①, ②, ③											
		2. MAJOR REASONS FOR PRESENT STATUS The Shangla Par district is the poorest district in the state, and the development of the area is placed higher priority in the country's Eighth Five Year Plan. However, because a similar project has already been carried out the implementation of the project has been delayed.											

和名 スワット地域農村総合開発計画

PROJECT SUMMARY (F/S)

Compiled Mar.1992
Revised Mar.1996

ASO PAK/A 304/90

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		1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input checked="" type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled		
2.NAME OF STUDY Water Resource Development Project in Malis Basin		2.PROJECT COST						Total Cost	Local Cost
				1) 31,900	5,660	26,220			
				2)					
				3)					
3.SECTOR Agriculture/(Agriculture in)General		3.CONTENTS OF MAJOR PROJECT(S)				(Description) The Pakistani government is in preparation to submit the request for yen credit to the Japanese government. (FY1991 Overseas Survey) No additional information. (FY1992 Overseas Survey) 1) A request was made for a OECF loan during the FY 1992 Annual Meeting between the Pakistan and Japanese governments. 2) A OECF loan for a detailed design was expected. (FY1993 Overseas Survey) The construction plan of Mol Dam is under preparation as follows: August 1993. OECF Loan L/A 206 million yen. (Water Resource Development Project in Malis Basin) This loan aims a review, D/D and tender preparation of the Dam and reservoir construction. (FY1994 Domestic Survey) The OECF Loan for the Project design was agreed. The engineering services for design will be commenced in Dec.1994 or Jan.1995. (FY1995 Domestic Survey) Since Jan., 1995, D/D is implemented by the OECF Loan. (FY1995 Overseas Survey) The Pakistani government expects that the construction will be started in Oct. 1996.			
4.REFERENCE NO.		- Construction of Mol Dam: - Type of dam = Rockfill (Zone type) - Maximum water level = 173.0m, Normal full water level 169.6m - Maximum height = 48.8m - Gross storage = 45.7MCM, - live storage = 35.0MCM - Dam volume = 1,730 x 10 ³ m ³ - Demonstration Pilot Farm - Development of irrigation area (4,350ha) and Domestic Water Supply 33MCM							
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 SAW	1989/2	Imp. Period:		1991.4-1995.3					
9.CONSULTANT(S) Nippon Koei Co., Ltd.		4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes/No	EIRR1) 10.65 EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)			
10.STUDY TEAM		Conditions and Development Impacts: (Development Impacts) A large improvement in the living standard of farmers including peasants is expected. - Stable Supply of Water - Increase of Employment Opportunity - Increase of Crop Production and Stable Supply of the Products to the Karachi City - Increase of Farmer's Income - Improvement of Water Quality - Flood Mitigation Effects - Improvement of Agro-technology - Demonstration Effect of Pilot Farm							
						2.MAJOR REASONS FOR PRESENT STATUS			
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		None							
12.EXPENDITURE				5.TECHNICAL TRANSFER		3.PRINCIPAL SOURCE OF INFORMATION			
				1)Technology transfer to counterparts in the course of the Study 2)Training of counterparts in JICA training course		①, ②, ③			
		Total	152,552 (¥'000)						
		Contracted	147,613						

PROJECT SUMMARY (M/P+F/S)

Compiled Mar.1993
Revised Mar.1996

ASO PAK/S 203B/91

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 checked="" type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled														
2.NAME OF STUDY Comprehensive Study on Transportation System in Lahore		Lahore Metropolitan Area (2,300 Sq.Km)																			
3.SECTOR Transportation/Urban Transportation		2.PROJECT COST (US\$1,000)				(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 Pakistani 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. (FY1993 Overseas Survey) 1) In Ling Road project, F/S and D/D have already been completed for the first term by WB Fund. 2) Ravi bridge : one bridge completed, one on the way to build. (FY1994 Domestic Survey) The Punjab Government has a keen interest to implement the LRT project within a few years, and the draft PC-1 (official request to the central government) might be submitted, based on the availability of OECF loan. (FY1994 Overseas Survey) 1) The World Bank conducted a F/S for LRT, with a plan to shorten the LRT route, compared with JICA's F/S, in 1992. Moreover, Japanese consulting firms did financial analysis again in 1994. But there is no progress in loans from the World Bank and OECF. 2) As far as constructions of two-level crossings (3 places) are concerned, i) underground crossings, instead of on-the-ground, were built based upon Rs.450million paid from Punjab State budget in 1994; ii) existing roads are expanded based upon the World Bank loan; iii) since on-the-ground two-level crossings will be constructed over the LRT, the construction cannot get started unless the LRT route is determined. 3) For a part of the ring road surrounding Lahore (16km), the World Bank conducted F/S and D/D. JICA is expected to take charge of F/S and D/D for 30 km of the ring road. Other 48km mentioned above, the rest of the road will be left as it is. (FY1995 Domestic Survey) LRT is promoted to commence the construction works in early stage. It is learnt that LDA was re-studied F/S and is carrying out the evaluation study on the environmental effects by themselves. And															
4.REFERENCE NO.																					
5.TYPE OF STUDY		M/P+F/S																			
6.COUNTERPART AGENCY		Lahore Development Authority																			
7.OBJECTIVES OF STUDY		1) Formulation of Urban Transport Plan for 2000/2010 2) Feasibility Study on Priority Projects																			
8.DATE OF SAV		1989/10																			
9.CONSULTANT(S)		NIMEC Corporation Pacific Consultants International																			
10.STUDY TEAM		No. of Members 11 Period Jul.1990-Oct.1991 (15 months)																			
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		Traffic Survey including HIS, Topographic Survey along the Project Route.																			
12.EXPENDITURE		Total 226,159 (¥'000) Contracted 218,462																			
		3.CONTENTS OF MAJOR PROJECT(S) <M/P> Components of the Master Plan (up to 2010): 1) Short-term plan (1992-1995) (Total cost Rps 25 bill): Improvement and construction of roads; 9 intersections; traffic management; bus system; new bridge across the Ravi River. 2) Medium-term plan (1996-2000) (Total cost Rps 65 bill): roads; 14 intersections; new bridge across the Ravi River; bus system; Heavy Rail Transit (HRT) System (40.0km); traffic management; mode interchange facilities. 3) Long-term plan (2001-2010) (Total cost Rps 110 bill): roads; intersection improvement (92.4km); new bridge across the Ravi River; bus system; Light Rail Transit (LRT) System; mode interchange facilities. <F/S> 1) Intersection Improvement (construction of flyovers): Total cost Rp.302.3 million - Qartaba Chowk - Ferozpur Road / Canal Bridge & Wahdat Road - Kalma Chowk 2) LRT: Total cost 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.																			
		Imp. Period: 4.FEASIBILITY AND ITS ASSUMPTIONS Feasibility: EIRR1) FIRR1) Yes/No EIRR2) FIRR2) EIRR3) FIRR3)																			
		Conditions and Development Impacts: [Assumptions] 1) Future transport demand (in person trips/day) was projected on the basis of the results of the 1990 person trip survey (HIS): <table style="margin-left: 20px; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">1990</td> <td style="text-align: center;">2010</td> <td></td> </tr> <tr> <td>Population (over 5 years of age)</td> <td style="text-align: center;">4,578</td> <td style="text-align: center;">8,875</td> <td style="text-align: center;">(in 1000)</td> </tr> <tr> <td>Person trips/day</td> <td style="text-align: center;">9,779</td> <td style="text-align: center;">19,863</td> <td></td> </tr> <tr> <td>Trip generation rate</td> <td style="text-align: center;">2.14</td> <td style="text-align: center;">2.24</td> <td></td> </tr> </table> 2) LRT System is to be elevated and start operation in 2010 3) LRT route is selected with reference to future transport network, convenience in transfer, conservation of historical buildings and greenery, etc. 4) More than 75% of initial investment in LRT is soft loan or subsidy. [Development Impacts] 1) Intersection Improvement: Alleviation of traffic congestion. 2) LRT: Strengthening of the public transportation capacity, alleviation of traffic congestions, redevelopment in the areas around terminals, etc.; To			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																			
		5. TECHNICAL TRANSFER																			
		(1) Analyze Methods of Basic Data of Urban traffic plan such as person trip survey and future O-D Tables. (2) C/P training in Japan (2 person).																			
		2.MAJOR REASONS FOR PRESENT STATUS																			
		3.PRINCIPAL SOURCE OF INFORMATION																			
				①, ②, ③																	

状況 (要約表添付文書)

ASO PAK/S 203B/91	(M/P+F/S)
Name of Comprehensive Study on Transportation System in Lahore Study	
Country	Pakistan
Type of Study	M/P+F/S
Sector	Transportation/Urban Transportaion
Present Status:	Partially Completed
(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 Pakistani 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.	
(FY1993 Overseas Survey)	
1) In Ling Road project, F/S and D/D have already been completed for the first term by WB Fund.	
2) Ravi bridge : one bridge completed, one on the way to build.	
(FY1994 Domestic Survey)	
The Punjab Government has a keen interest to implement the LRT project within a few years, and the draft PC-1 (official request to the central government) might be submitted, based on the availability of OECF loan.	
(FY1994 Overseas Survey)	
1) The World Bank conducted a F/S for LRT, with a plan to shorten the LRT route, compared with JICA's F/S, in 1992. Moreover, Japanese consulting firms did financial analysis again in 1994. But there is no progress in loans from the World Bank and OECF.	
2) As far as constructions of two-level crossings (3 places) are concerned, i) underground crossings, instead of on-the-ground, were built based upon Rs.450million paid from Punjab State budget in 1994; ii) existing roads are expanded based upon the World Bank loan; iii) since on-the-ground two-level crossings will be constructed over the LRT, the construction cannot get started unless the LRT route is determined.	
3) For a part of the ring road surrounding Lahore (16km), the World Bank conducted F/S and D/D. JICA is expected to take charge of F/S and D/D for 30 km of the ring road. Other 48km mentioned above, the rest of the road will be left as it is.	
(FY1995 Domestic Survey)	
LRT is promoted to commence the construction works in early stage. It is learnt that LDA was re-studied F/S and is carrying out the evaluation study on the environmental effects by themselves. And also LDA begins an active approach to Japan in order to earn the Yen Credit.	

PROJECT SUMMARY (F/S)

Compiled Mar.1994
Revised Mar.1996

ASO PAK/A 305/92

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"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled		
2.NAME OF STUDY Development of Irrigation Based on Flood Flows of D.G. Khan Hill Torrents		Vidor in D.G. Khan, Punjab province							
3.SECTOR Agriculture/Irrigation, Drainage & Reclamation		2.PROJECT COST (US\$1,000)		Total Cost	Local Cost	Foreign Cost	(Description) In the feasibility study, the review of Mithawan Hill torrent Pilot Project was carried out, and the basic design study for this project going to be implemented with the Japan's Grant Aid is in progress now. But, for the Vidore Hill torrent area, the implementation of the project will be decided after completion of the Mithawan Hill torrent Pilot project. (FY 1993 Overseas Survey) Above Mithawan Hill torrent Pilot Project has already started since May 1994 (until April 1996), granted by JICA. (FY1994 Domestic Survey) The constructions of watershed conservation and irrigation in the Mithawan Area have been implemented with the Japan's Grant Aid (signed in Oct. 1992 Rs346.90mil) since Aug.1994. The technical transfer for pasturing and cultivation to the inhabitants is planned from Jan.1995 for five year by FAO, with the facilities to be constructed under the Japan's Grant Aid. (FY1995 Domestic Survey) Department of Irrigation and Power, Province of Punjab is requesting the implementation of the project to the World Bank for development and maintenance of Vidore Hill Torrent Area. On July, 1995, the World Bank requested to an expert, who was in charge of disaster protection of agricultural area when this F/S was carried out, to participate the reinvestigation survey of this project (especially in the field of maintenance of the basin). (FY1995 Overseas Survey) Concerning Vidore Hill Torrent Project, Preparation of basic study report and its implementation are likely to be undertaken after the completion of Mithawan Hill Torrent Pilot Project.		
4.REFERENCE NO.				1)	3,553	2,432		1,121	
5.TYPE OF STUDY		F/S		2)	7,403	5,654		1,749	
6.COUNTERPART AGENCY Department of Irrigation Power, Province of Punjab		3.CONTENTS OF MAJOR PROJECT(S)		3)	10,440	8,249		2,191	
7.OBJECTIVES OF STUDY Formulate an adequate flood control and irrigation plan in order to utilize the water of the main hill torrent at D.G. Khan district South-Western Punjab. And recommend a plan to maintain the basin in order to reduce flood disasters at the lower reach.		1. Dispersion Structure : 2 sites 2. Distribution Facilities : Improvement at 23 sites 3. Watershed Conservation Facilities : * construction of earthen bunds * application of grass contour hedges * construction of gully plugs 4. Road : new road 1 route improvement 1 route							
8.DATE OF S/W		1990/8		Imp. Period: 1997.1-1998.12 1997.1-2001.12 1997.1-2000.12					
9.CONSULTANT(S) Nippon Giken Inc. Sanyu Consultants Inc.		4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes/No	EIRR1) 19.90	FIRR1) 14.20		EIRR2) 11.80	FIRR2) 8.20
				EIRR3) 10.40	FIRR3) 7.20				
10.STUDY TEAM		No. of Members 21 Period Mar.1991-Oct.1992(19 months)		Conditions and Development Impacts: [Conditions and Development Impacts] (Imp. Periods are 1) 2 years, 2) 5 years, 3) 10 years.)					
		Total M/M Japan Field 32.00 16.00 16.00		1. Considerable expansion of upland irrigated area and reduction of the flood damage through the increase of the dispersion of the hill torrent water. 2. The stabilization of the land conditions in watershed area and the encouragement of livestock raising by watershed conservation facilities.					
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY Topographic Survey, Geologic Survey, Soil Test and Water Right Survey		5. TECHNICAL TRANSFER		The technology of the facility study for irrigation and watershed management was transferred to the counterparts of the Department of Irrigation and Power, Punjab.		2.MAJOR REASONS FOR PRESENT STATUS Due to the Vidore hill torrent area is close to the Mithawan hill torrent area, the balanced project implementation in the Nation will be taken into consideration.			
12.EXPENDITURE		Total 201,790 (¥'000) Contracted 187,898				3.PRINCIPAL SOURCE OF INFORMATION ①, ②			

PROJECT SUMMARY (F/S)

Compiled Sep.1995
Revised Mar.1996

ASO PAK/A 306/94

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 type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled															
2.NAME OF STUDY Chashma Right Bank 1st Lift Irrigation Project		D.I. Khan district, North-Western Frontier Province (N.W.F.P.)																				
3.SECTOR Agriculture/Irrigation, Drainage & Reclamation		2.PROJECT COST (US\$1,000)		<table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">Total Cost</td> <td style="text-align: center;">Local Cost</td> <td style="text-align: center;">Foreign Cost</td> </tr> <tr> <td style="text-align: center;">1)</td> <td style="text-align: center;">308,081</td> <td style="text-align: center;">121,896</td> <td style="text-align: center;">186,185</td> </tr> <tr> <td style="text-align: center;">2)</td> <td style="text-align: center;">290,028</td> <td style="text-align: center;">114,661</td> <td style="text-align: center;">175,367</td> </tr> <tr> <td style="text-align: center;">3)</td> <td></td> <td></td> <td></td> </tr> </table>			Total Cost	Local Cost	Foreign Cost	1)	308,081	121,896	186,185	2)	290,028	114,661	175,367	3)				(Description) At present, the Irrigation Department of the Government of N.W.F.P. is preparing an actual plan for the implementation of the project (FC-1) based on the report on this project. And the authority concerned expects to get Yen Credit from OECF in order to implement this project and it seems to be requested to the Government of Japan in near future. (FY1995 Overseas Survey) No additional information.
	Total Cost	Local Cost	Foreign Cost																			
1)	308,081	121,896	186,185																			
2)	290,028	114,661	175,367																			
3)																						
4.REFERENCE NO.		3.CONTENTS OF MAJOR PROJECT(S)																				
5.TYPE OF STUDY		Waterintake works : newly established Canal : newly established Crossing drain works : 11 Waterway bridges, 11 Culverts, 1 Mud removal-cum-outlet work and 29 Bridges Pump station : 20cu.m/s - 72cu.m/s, actual lift head 18.3m Pump : Vertical vortex type, Main pump 10cu.m/s X 6 unit, Sub pump 6cu.m/s X 2 Water line : 3 lines of steel pipe with a diameter of 3,200mm Trunk canal : total extension 113.25km Other facilities : Branch of trunk canal, Regulation reservoir, Drain facility, Communication facilities, Living water supply facilities and Rural roads																				
6.COUNTERPART AGENCY		Imp. Period: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">4.FEASIBILITY AND ITS ASSUMPTIONS</td> <td style="width: 15%;">Feasibility: Yes/No</td> <td style="width: 15%;">EIRR1) 15.30</td> <td style="width: 15%;">FIRR1)</td> </tr> <tr> <td></td> <td></td> <td>EIRR2)</td> <td>FIRR2)</td> </tr> <tr> <td></td> <td></td> <td>EIRR3)</td> <td>FIRR3)</td> </tr> </table>				4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes/No	EIRR1) 15.30	FIRR1)			EIRR2)	FIRR2)			EIRR3)	FIRR3)					
4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes/No	EIRR1) 15.30	FIRR1)																			
		EIRR2)	FIRR2)																			
		EIRR3)	FIRR3)																			
7.OBJECTIVES OF STUDY		Conditions and Development Impacts: (Conditions) Targets of crop has been settled based on the Feasibility Study Report of CRBC Stage III(1990) and the various test results conducted by the D.I. Khan agriculture Research Center in 1991-1992. In order to reach the target level, beneficial farmers should be supported by means of technical transfer of improved cultivation methods and so forth. (Development Impacts) Following privileges are expected:- 1) Increase of the agricultural products at this area, 2) Saving transportation costs, 3) Water causing flood is diverted to irrigation water for upper stream area, 4) Development of living water resources, 5) Saving migration expenses during summer season, and so forth. Additionally 1) Creation of chances of employment, 2) Improvement of local transportation, 3) Mitigation of gap of revenues among inhabitants and 4) Promotion of land price are also expected as the socio-economic effects.																				
8.DATE OF SAV						1992/11																
9.CONSULTANT(S)		10.STUDY TEAM No.of Members 13 Period Mar.1993-Mar.1995 (24 months)																				
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Total M/M</td> <td style="width: 15%;">Japan</td> <td style="width: 15%;">Field</td> </tr> <tr> <td style="text-align: center;">93.63</td> <td style="text-align: center;">32.70</td> <td style="text-align: center;">60.93</td> </tr> </table>				Total M/M	Japan	Field	93.63	32.70	60.93											
Total M/M	Japan	Field																				
93.63	32.70	60.93																				
12.EXPENDITURE		11.ASSOCIATED AND/OR SUBCONTRACTED STUDY Soil Test, survey of Farmhouse, Investigation of Water and Groundwater Quality, Topographic and Geological Survey																				
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Total</td> <td style="width: 15%;">(¥000)</td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">263,604</td> </tr> </table>		Total	(¥000)	Contracted	263,604	5.TECHNICAL TRANSFER 1) Method of Feasibility Study was transferred to the Counterparts of N.W.F.P. during the survey works at the site. 2) Counterparts in total were invited to Japan for technical training.																
Total	(¥000)																					
Contracted	263,604																					
		2.MAJOR REASONS FOR PRESENT STATUS Because the project is expected to benefit underdeveloped region, it is given top priority.																				
		3.PRINCIPAL SOURCE OF INFORMATION ①, ②																				

和名 チャシマ右岸揚水灌漑計画

PROJECT SUMMARY (F/S)

Compiled Mar. 1990
Revised Mar. 1996

ASE PH/LA 301/76

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 checked="" type="checkbox"/> Completed <input type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled																																						
2. NAME OF STUDY Cagayan Integrated Agricultural Development Project		Cagayan River Basin of Cagayan Province																																											
3. SECTOR Agriculture/(Agriculture in)General		2. PROJECT COST (US\$1,000)		Total Cost	Local Cost	Foreign Cost																																							
4. REFERENCE NO.		1)	31,309	15,831	15,478	(Description) The proposed project was implemented by the OECF finance. Apr. 1977 OECF L/A signed (6.16 billion yen) 1978 Construction started Dec. 1988 Construction completed OECF Loan: - 3 pump stations - Irrigation canals (930km) - Drainage canals (414km) - Roads (759km) - Power transmission (70km) (FY1991 Overseas Survey) No additional information. (FY1994 Domestic Survey) Due to the siltation in front of the intake gate for pumping station, irrigation water shortage is experienced in dry season. NIA is planning to conduct dredging but could not yet performed enough due to its budgetary constraint.																																							
5. TYPE OF STUDY		2)	11,923	12,530	11,923																																								
6. COUNTERPART AGENCY CIADP related agencies NIA, NEA, IW		3)	2,158	2,418	2,158																																								
7. OBJECTIVES OF STUDY The Project Area is rainfed paddy field area with the Cagayan river which is the biggest one in the Philippines however as useless for irrigation. Accordingly, F/S for the pump irrigation and the establishment for the integrated agricultural development plan shall be undertaken.		3. CONTENTS OF MAJOR PROJECT(S)																																											
8. DATE OF SAV		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Scheme</td> <td style="width: 30%;">1) Aparri-Lallo</td> <td style="width: 30%;">2) Pared</td> <td style="width: 30%;">3) Iguig</td> </tr> <tr> <td>Irrigation areas (total: 14,300ha)</td> <td style="text-align: center;">12,000ha</td> <td style="text-align: center;">1,500ha</td> <td style="text-align: center;">800ha</td> </tr> <tr> <td>Pumping facilities</td> <td style="text-align: center;">1,200mm x 7sets</td> <td style="text-align: center;">600mm x 4sets</td> <td style="text-align: center;">450mm x 4 sets</td> </tr> <tr> <td>Canals (irrigation)</td> <td style="text-align: center;">Main 30km Lateral 240km Farm ditch 480km</td> <td style="text-align: center;">8km 30km 105km</td> <td style="text-align: center;">4.5km 16km 32km</td> </tr> <tr> <td>Canals (drainage)</td> <td style="text-align: center;">Main 50km Lateral 360km Farm Road 108km</td> <td style="text-align: center;">45km 27.5km</td> <td style="text-align: center;">16km 12km</td> </tr> <tr> <td colspan="4">The project cost 1) above is for the entire schemes. The project costs for the individual schemes are as follows.</td> </tr> <tr> <td></td> <td style="text-align: center;">Total</td> <td style="text-align: center;">Local</td> <td style="text-align: center;">Foreign (US\$1,000)</td> </tr> <tr> <td>Aparri-Lallo</td> <td style="text-align: center;">11,923</td> <td style="text-align: center;">12,530</td> <td style="text-align: center;">11,923</td> </tr> <tr> <td>Pared</td> <td style="text-align: center;">2,158</td> <td style="text-align: center;">2,418</td> <td style="text-align: center;">2,158</td> </tr> <tr> <td>Iguig</td> <td style="text-align: center;">1,397</td> <td style="text-align: center;">883</td> <td style="text-align: center;">1,397</td> </tr> </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 Farm Road 108km	45km 27.5km	16km 12km	The project cost 1) above is for the entire schemes. The project costs for the individual schemes are as follows.					Total	Local	Foreign (US\$1,000)	Aparri-Lallo	11,923	12,530	11,923	Pared	2,158	2,418	2,158	Iguig	1,397
Scheme	1) Aparri-Lallo	2) Pared	3) Iguig																																										
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Pared	2,158	2,418	2,158																																										
Iguig	1,397	883	1,397																																										
9. CONSULTANT(S) Sanyu Consultants Inc.		4. FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 15.00 EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)																																							
10. STUDY TEAM No. of Members 10 Period May. 1975-Jun. 1976 (13 months) Total M/M Japan Field		Conditions and Development Impacts: [Conditions] Economic benefits are estimated as the difference of net income in rice production between with-project and without-project conditions. Increased rice production (tons) <table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">without project</td> <td style="text-align: center;">with project</td> </tr> <tr> <td>Iguig, Pared, Lallo</td> <td style="text-align: center;">5,574</td> <td style="text-align: center;">23,721</td> </tr> <tr> <td>Aparri</td> <td style="text-align: center;">12,190</td> <td style="text-align: center;">52,106</td> </tr> </table> [Development Impacts] 1) Irrigation Impacts: Complete double cropping has been possible in paddy of 15,000ha in these 3 districts above. 2) Increased farmers' income 3) Village electrification plan was promoted in Aparri district.					without project	with project	Iguig, Pared, Lallo	5,574	23,721	Aparri	12,190	52,106																															
	without project	with project																																											
Iguig, Pared, Lallo	5,574	23,721																																											
Aparri	12,190	52,106																																											
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER				2. MAJOR REASONS FOR PRESENT STATUS																																							
12. EXPENDITURE		Overseas training was done during the period of project implementation				3. PRINCIPAL SOURCE OF INFORMATION																																							
Total 91,893 (¥'000)						①, ②, ④																																							
Contracted 82,482																																													

PROJECT SUMMARY (F/S)

Compiled Mar.1986
Revised Mar.1996

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="checkbox"/> Completed <input type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled										
2. NAME OF STUDY	Pan-Philippine Highway Ferry Service Plan	2. PROJECT COST		Total Cost	Local Cost			Foreign Cost									
3. SECTOR	Transportation/Marine Transportation & Ships			1) 9,904	1,707	8,197											
4. REFERENCE NO.				2)													
5. TYPE OF STUDY	F/S			3)													
6. COUNTERPART AGENCY	Dept. of Public Highway	3. CONTENTS OF MAJOR PROJECT(S)				(Description) On 1977, the after care survey had been carried out, and after that the project implemented by Yen Credit. 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.											
7. OBJECTIVES OF STUDY	Feasibility analysis of the construction car ferries	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.															
8. DATE OF SAW	/	Imp. Period: 1978. -1980.		4. FEASIBILITY AND ITS ASSUMPTIONS		2. MAJOR REASONS FOR PRESENT STATUS											
9. CONSULTANT(S)	Overseas Ships Building Cooperation Center	Feasibility: Yes	EIRR1) 10.00	EIRR2)	EIRR3)			FIRR1) 8.00	FIRR2)								
10. STUDY TEAM	No. of Members 4 Period Jan.1976-Jun.1976 (5 months)	Conditions and Development Impacts: Conditions: 1. Forecasted demand: assumed 2 round-trips per day (target year: 1985) 2. Staff: 20 (officer 8, crew 12) 3. Continental regime: A center is set on onside, managers is set. 4. Capacity of transport/day <table style="margin-left: 20px; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">1978</td> <td style="text-align: center;">1980</td> <td style="text-align: center;">1985</td> <td style="text-align: center;">1990</td> </tr> <tr> <td style="padding-left: 20px;">(passenger)</td> <td style="text-align: center;">310</td> <td style="text-align: center;">390</td> <td style="text-align: center;">710</td> <td style="text-align: center;">1,270</td> </tr> </table> 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					1978	1980	1985	1990	(passenger)	310	390	710	1,270	3. PRINCIPAL SOURCE OF INFORMATION ①, ②, ④	
	1978	1980	1985	1990													
(passenger)	310	390	710	1,270													
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER															
12. EXPENDITURE	Total 8,550 (¥000) Contracted																

和名 フェリー計画

{F/S,D/D}

PROJECT SUMMARY (F/S)

Compiled Mar.1990
Revised Mar.1996

ASE PHIL/S 301/76

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 checked="" type="checkbox"/> Completed <input type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2.NAME OF STUDY Construction Plan of Subic Ship Repair Yard		Subic Bay in southwestern Luzon (100km from Manila)					
3.SECTOR Transportation/Marine Transportation & Ships		2.PROJECT COST (US\$1,000)		Total Cost	Local Cost	Foreign Cost	
4.REFERENCE NO.				1) 66,530	29,370	37,160	
5.TYPE OF STUDY F/S				2)			
6.COUNTERPART AGENCY Maritime Industry Authority				3)			
7.OBJECTIVES OF STUDY Feasibility analysis of a ship repair yard		3.CONTENTS OF MAJOR PROJECT(S)				(Description) Sep.1977 OECF loan agreement (E/S, 265 million yen) Mar.1979 OECF loan agreement (10,855 million yen) For the construction of Subic Repair Yard Oct.1979 Construction started Dec.1981 Construction completed OECF financing: 1) Construction of a dry dock (350m x 65m x 12.5m) 2) Berths (two 300,000DWT berths, one 150,000DWT berth, and one 20,000WT berth) 3) Cranes (one 80t crane, one 30t crane and one 15t crane) 4) Buildings	
		1. Facility plan 1) Total site: 158,000sq.m 2) Dredging and reclamation: 1 million cu.m 3) Dock yard: 350m x 65m x 13m, sufficient for 300,000D.W. 4) Dock side crane: 30t x 2 5) Repair plant: main bldg. 150m x 35m x 12-17m, ancillary bldg. 150m x 15m x 7m 6) Quay and dolphin: 25m x 160m, of which dolphin 20m x 25m, obliquely intersection steel pile standard 7) Oxygen and acetylene generator: obtained from outside. 8) Service and industrial water: well used, Water tank 500t for service water, 2,000t for industrial water. 9) Control pollution: Equipment for treating waste water from living and from sashing engine parts is to be installed. 10) Construction cost: \$71.86 million 2. Management plan Organization of New company Capital 20 million US\$ (60% from Philippine government 40% from partner) It is					
8.DATE OF S/W /		Imp. Period: 1976. -1980.				2.MAJOR REASONS FOR PRESENT STATUS	
9.CONSULTANT(S)		4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 25.00 EIRR2) EIRR3)		
10.STUDY TEAM		Conditions and Development Impacts: Conditions: 1. Initial investment: recovered in 17.5 years after beginning of operation. 2. Residual book value: 10% 3. Long-term loan: Interest 4.25% on the average. 7 year deferment 18 year payment 4. Sales: 65% is received before the end of a year, 35% in the following year. 5. Production cost: 10% is paid in the present year and 90% in the following year. Development impacts: 1. Sales 1979 1980 1981 1982 1983 1984 1985 (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.				3.PRINCIPAL SOURCE OF INFORMATION ①, ④	
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.TECHNICAL TRANSFER					
12.EXPENDITURE							
Total							
Contracted		13,226 (¥'000)					

PROJECT SUMMARY (F/S)

Compiled Mar.1990
Revised Mar.1996

ASE PHIL/S 303/76

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT		
1. COUNTRY	Philippines	1. SITE OR AREA				1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input checked="" type="checkbox"/> Discontinued or Cancelled	
2. NAME OF STUDY	Manila Rapid Transit Railway Line No.1	2. PROJECT COST	Total Cost	Local Cost	Foreign Cost			
		(US\$1,000)	1) 547,000	282,000				
3. SECTOR	Transportation/Railway	3. CONTENTS OF MAJOR PROJECT(S)	Content : Route selection : Station building : Power supply facilities : Communications facilities : Signalling : Operation and Maintenance Length : 20km				(Description) The subway project was cancelled as follows. 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. 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. 3. This LRT No.1 route replaced Subway No.1 route. Total length was about 14 km. 4. This LRT project was completed in December 1985. Number of passengers : 250,000/day. (FY1994 Domestic Survey) No additional information.	
4. REFERENCE NO.		5. TYPE OF STUDY						
6. COUNTERPART AGENCY	Planning & Project Development office, Public Works Dept., Transport & Communication	7. OBJECTIVES OF STUDY	Urban Public Transportation					
8. DATE OF SAV	1974/7	8. DATE OF SAV	Imp. Period: 1980.1-1987.7					
9. CONSULTANT(S)	Pacific Consultants International Japan Overseas Consultants Co., Ltd.	4. FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: No	EIRR1) 20.40 EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)	2. MAJOR REASONS FOR PRESENT STATUS The alternative transit system was implemented.		
10. STUDY TEAM	No. of Members 12 Period Apr.1975-Jun.1976 (14 months)	Conditions and Development Impacts: 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. Development impact: It is to meet future traffic demand which cannot be met by roads surface roads.						
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	None	5. TECHNICAL TRANSFER	-Technique for future traffic demand forecasting -Overseas training in Japan -Environmental assessment method				3. PRINCIPAL SOURCE OF INFORMATION ①	
12. EXPENDITURE								
	Total	178,914 (¥000)						
	Contracted	242,970						

和名 マニラ地下鉄 (1号線) 計画

PROJECT SUMMARY (Basic Study)

Compiled Mar. 1990

Revised Mar. 1996

ASE PHL/A 501/77

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS	
1. COUNTRY	Philippines	1. SITE OR AREA			1. PRESENT STATUS	<input type="checkbox"/> In Progress or In Use <input checked="" type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Fish Finding (skipjack) Survey	2. PROJECT COST	Total Cost	Local Cost	Foreign Cost	(Description) (FY1993 Overseas Survey) No information is available. (FY1994 Domestic Survey) No information. (FY1995 Domestic Survey) After this basic study, there is no new survey work has been carried out.
3. SECTOR	Fisheries/Fisheries	(US\$1,000)	1)		2)	
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)				
5. TYPE OF STUDY	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.				
6. COUNTERPART AGENCY	Bureau of Marine Resources	4. CONDITIONS AND DEVELOPMENT IMPACTS				
7. OBJECTIVES OF STUDY	To conduct maritime surveys in order to clarify the distribution of skipjack resources, abundance of bait fishes for skipjack pole-and-line fishing and aptitude of bait fishes in the southeastern area of the Philippine Islands.	1. Survey period was too short to estimate the feasibility of skipjack pole-and-line fishery in this area. 2. Feasibility of supplying bait fish was estimated, and feasibility of technic to keep bait fish was also estimated.				
8. DATE OF S/W	/	10. STUDY TEAM				
9. CONSULTANT(S)	Japan Marine Fishery Resource Research Center	No. of Members 3 Period Nov. 1976-Mar. 1977 (5 months)				
		Total M/M Japan Field			2. MAJOR REASONS FOR PRESENT STATUS	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER			3. PRINCIPAL SOURCE OF INFORMATION	
12. EXPENDITURE					①, ②	
	Total 99,851 (¥'000)					
	Contracted 94,682					

PROJECT SUMMARY (Other)

Compiled Mar. 1990
Revised Mar. 1996

ASE PHL/S 601/77

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS	
1. COUNTRY	Philippines	1. SITE OR AREA			I. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Pan-Philippine Highway Ferry Service (follow-up)	Shipyards (27ha) in Marivelez			2. PROJECT COST (US\$1,000)	(Description) Jan. 1978 OECF loan agreement (3,000 million yen) (FY1994 Domestic Survey) No additional information. (FY1995 Domestic Survey) Utilize the report of this survey work, a 1900 GTZ ferry was built in Japan and another one was built in Philippines, respectively during 1980 to 1984. These ferries are on use at present. No further information is available at present moment.
3. SECTOR	Transportation/Marine Transportation & Ships					
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)				
5. TYPE OF STUDY	Other	Technical advice on the ferry construction which has been proposed by the F/S (FY 1976).				
6. COUNTERPART AGENCY	Dept. of Public Highway, Maritime Industry Authority					
7. OBJECTIVES OF STUDY	Technical guidance on the construction of ferries					
8. DATE OF SAW	/					
9. CONSULTANT(S)	Overseas Ships Building Cooperation Center	4. CONDITIONS AND DEVELOPMENT IMPACTS				
10. STUDY TEAM	No. of Members 4 Period Jul. 1977-Jul. 1977 (1 months)	- Efficient in-island and coastal transportation - Transfer of shipbuilding technology			2. MAJOR REASONS FOR PRESENT STATUS	
	Total M/M Japan Field					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY						
12. EXPENDITURE	Total 4,554 (¥000)	5. TECHNICAL TRANSFER			3. PRINCIPAL SOURCE OF INFORMATION	
	Contracted	1) Designing engineers and field technicians were trained in Japan. 2) Supervisors, engineers, field staffs, etc. were dispatched from Japan.				

和名 フェリー計画アフターケア

PROJECT SUMMARY (M/P)

Compiled Mar.1986
Revised Mar.1996

ASE PHIL/S 101/78

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 type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input checked="" type="checkbox"/> Discontinued																									
2.NAME OF STUDY	Pasig-Potrero River Flood Control and Sabo Project	2.PROJECT COST			<table style="width: 100%; border: none;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">Total Cost</td> <td style="width: 15%; text-align: center;">Local Cost</td> <td style="width: 15%; text-align: center;">Foreign Cost</td> </tr> <tr> <td style="text-align: center;">(US\$1,000)</td> <td style="text-align: center;">1)</td> <td style="text-align: center;">31,820</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">(US\$1=7.4P)</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	1)	31,820				2)				(US\$1=7.4P)					(Description)	<p>1) One sabo dam was constructed by DFWH. River improvement works in the downstream reach is subsequently under way.</p> <p>2) The construction works are managed by the budget of the Government of the Philippines.</p> <p>(FY 1991 Overseas Survey) No additional information.</p> <p>(FY1993 Overseas Survey) 1. Pasig-Potrero River Flood Control and Sabo Project The topography of the project area seriously affected by the eruption of Mt. Pinatubo in 1991. As a result, JICA study can not apply for further development. The implementation of the master plan study around the Mt. Pinatubo including Pasig-Potrero River area is conducting under the US technical assistance. This study will complete in March 1994.</p> <p>(FY1994 Domestic Survey) A master plan study of the flood control and sabo projects around Mt. Pinatubo was prepared with a technical assistance of US Army Corps of Engineers. The final report of its study was submitted to the Government of Philippines in March 1994 with a following title: Mount Pinatubo Recovery Action Plan, Long Term Report, Eight River Basins, March 1994, US Army Corps of Engineers.</p> <p>The project management office of Mount Pinatubo Rehabilitation (PMO-MPR) prepared their own urgent rehabilitation plan based on the said master plan and started its implementation by availing the local funds of the Government of Philippines.</p>			
		Total Cost	Local Cost	Foreign Cost																											
(US\$1,000)	1)	31,820																													
	2)																														
(US\$1=7.4P)																															
3.SECTOR	Social Infrastructure/Water Resource Development	3.CONTENTIS 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 style="width: 100%; border: none;"> <tr> <td style="width: 30%;"></td> <td style="width: 30%; text-align: center;">Structure</td> <td style="width: 40%; text-align: center;">Scale</td> </tr> <tr> <td>- Sabo dam</td> <td></td> <td style="text-align: center;">10 nos.(height 14-15m, crest length 31-68m)</td> </tr> <tr> <td>- Pondage for sediment deposit</td> <td style="text-align: center;">about 56 ha</td> <td></td> </tr> <tr> <td>- Levee</td> <td style="text-align: center;">17,220m(new), 2,530m(tentative)</td> <td></td> </tr> <tr> <td>- Ground sill</td> <td style="text-align: center;">13 nos.</td> <td></td> </tr> <tr> <td>- Groyne</td> <td style="text-align: center;">349 nos.</td> <td></td> </tr> <tr> <td>- sluice</td> <td style="text-align: center;">3 nos</td> <td></td> </tr> </table> <p>* Above project cost is in 1979 price.</p>			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																													
- 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																														
4.REFERENCE NO.		4.CONDITIONS AND DEVELOPMENT IMPACTS	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.																												
5.TYPE OF STUDY	M/P	5. TECHNICAL TRANSFER			1) OJT																										
6.COUNTERPART AGENCY	Dept. of Public Works and Highways (DPWH)	10.STUDY TEAM	<table style="width: 100%; border: none;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> <tr> <td>No.of Members</td> <td style="text-align: center;">15</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Period</td> <td colspan="4">Aug.1977-Sep.1978(14 months)</td> </tr> <tr> <td></td> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">Japan</td> <td style="text-align: center;">Field</td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">42.97</td> <td style="text-align: center;">7.17</td> <td style="text-align: center;">35.80</td> <td></td> </tr> </table>							No.of Members	15				Period	Aug.1977-Sep.1978(14 months)					Total M/M	Japan	Field			42.97	7.17	35.80			
No.of Members	15																														
Period	Aug.1977-Sep.1978(14 months)																														
	Total M/M	Japan	Field																												
	42.97	7.17	35.80																												
7.OBJECTIVES OF STUDY	Flood control	11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	2.MAJOR REASONS FOR PRESENT STATUS																												
8.DATE OF S/W	1977/3	12.EXPENDITURE	3.PRINCIPAL SOURCE OF INFORMATION																												
9.CONSULTANT(S)	Nippon Koei Co., Ltd. CTI Engineering Co., Ltd.		①, ②, ③																												
			[M/P,Basic Study,Other]																												

PROJECT SUMMARY (Other)

Compiled Mar. 1990
Revised Mar. 1996

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			I. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Review on the Feasibility Study of Fishing Port Package-1	whole country			(Description)	(FY1991 Overseas Survey) The five fishing ports reviewed by this study have all been constructed with OECF financing and are now fully operational. Detailed engineering was prepared by the Pacific Consultants International in consortium with BASIC Technology Management Corporation. Construction was undertaken by various firms over a period of ten years. Nov. 1978 OECF L/A signed (8,340 million yen) Package I: Modernization of structural and functional facilities at five ports (Iloilo, Lucena, Zamboanga, Sual and Camaligan) May 1982 OECF L/A signed (3,630 million yen) Package II: Cold storage at Zamboanga, Lucena and Camaligan) D/D for five other fishing ports Jun. 1985 Iloilo Port completed Jun. 1988 Zamboanga Port completed May 1990 Sual Port completed Jan. 1991 Camaligan and Lucena Ports completed (FY1994 Domestic Survey)(FY1995 Domestic Survey) No additional information.
3. SECTOR	Fisheries/Fisheries	2. PROJECT COST	Total Cost	Local Cost		
4. REFERENCE NO.		(US\$1,000)	1) 120,366	59,756	60,610	
5. TYPE OF STUDY	Other	US\$1=220Yen	2)			
6. COUNTERPART AGENCY	Department of Public Works, Transportation, and Communication (1977) Dept. of Construction (1978)	3. CONTENTS OF MAJOR PROJECT(S)				
7. OBJECTIVES OF STUDY	Review of the feasibility studies of five ports undertaken by the Government of the Philippines and supplementary economic analysis	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				
8. DATE OF S/W	1978/3	4. CONDITIONS AND DEVELOPMENT IMPACTS				
9. CONSULTANT(S)	Overseas Coastal Area Development Institute System Science Consultants	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				
10. STUDY TEAM	No. of Members : 3 Period				2. MAJOR REASONS FOR PRESENT STATUS	
	Total M/M Japan Field				The Government of the Philippines assigned high priority to the fishing ports in the application for the 6th Yen Credit Package.	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY						
12. EXPENDITURE	Total 33,866 (¥'000) Contracted	5. TECHNICAL TRANSFER			3. PRINCIPAL SOURCE OF INFORMATION	
					①, ②, ③	

PROJECT SUMMARY (M/P)

Compiled Mar.1991

Revised Mar.1996

ASE PHL/S 102/79

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS	
1. COUNTRY	Philippines	1. SITE OR AREA	Bohol Province (4,120 sq.km, pop.0.76 million)		I. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Bohol Integrated Area Development Project	2. PROJECT COST	Total Cost	Local Cost	Foreign Cost	(Description) 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. Jun.1980 OECF E/S loan agreement (90 million yen) Sep.1983 OECF loan agreement (4,600 million yen) Apr.1985 Construction started Jun.1993 Construction to be completed Realized project: - Earth dam (height 20.8m) - Irrigation & drainage canals, rural roads & on-farm development 2) The Bohol Agricultural Promotion Center (BAPC) was established by the Japanese grant (E/N in July 1983, 970 million yen). 3) Technical cooperation (Bohol Agricultural Promotion Center Project) was implemented by JICA during 1983-1990. (FY1991 Overseas Survey) BAPC was integrated to the research program of the regional outreach station for the lowland irrigated rice developmental zone. (FY1993 Overseas Survey) - Technical problem on its foundation and natural disaster postponed the completion of the Bohol Irrigation Project to 1996. - JICA is conducting post evaluation on the Bohol Agricultural Promotion Center. - Because new administration of the Philippines selected the Bohol Integrated Area Development Project as one of the 19 Flagship (high priority) Projects of the President starting in 1994, M/P needs updating. (FY1994 Domestic Survey)(FY1995 Domestic Survey) No additional information.
3. SECTOR	Development Plan/Integrated Regional Development Plan		(US\$1,000)	1) 549,300	2)	
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)				
5. TYPE OF STUDY	M/P	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. 1) Water resource development: - Wahig-Pamacsalan irrigation development - Tagbilaran pumping station 2) Agriculture: - Establishment of a center for soil technology development and agricultural promotion - Establishment of a Wahig-Pamacsalan pilot farm - Development of the livestock sector 3) Fisheries: Establishment of a fish processing base at the port of Cogtong 4) Forestry: Reforestation/rehabilitation of the basin 5) Mining and industry: Skill development of small industries				
6. COUNTERPART AGENCY	National Council on Integrated Area Development (NACIAD)	4. CONDITIONS AND DEVELOPMENT IMPACTS				
7. OBJECTIVES OF STUDY	Formulation of a area development plan centering on the Wahig-Pamacsalan River basin	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. Major development impacts are (1) increase of income, (2) creation of employment, (3) creation of demands, etc.				
8. DATE OF S/W	1978/8	10. STUDY TEAM				
9. CONSULTANT(S)	Pacific Consultants International Mitsubishi Research Institute	No. of Members 14 Period Jun.1979-Feb.1980(8 months)				
		Total M/M Japan Field				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Topographic Survey and Geological Survey	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY				
12. EXPENDITURE		5. TECHNICAL TRANSFER				
	Total 96,994 (¥'000)	OJT for the counterparts and participation of the counterparts in the JICA training program				
	Contracted 85,175					
					2. MAJOR REASONS FOR PRESENT STATUS	
					3. PRINCIPAL SOURCE OF INFORMATION	
					①, ②, ④	

PROJECT SUMMARY (F/S)

Compiled Mar. 1986

Revised Mar. 1996

ASE PHIL/S 307/79

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT							
1. COUNTRY	Philippines	1. SITE OR AREA				1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input checked="" type="checkbox"/> Discontinued or Cancelled						
2. NAME OF STUDY Hospital Development Project		Ilocos and Cagayan Valley Provinces											
3. SECTOR Social Infrastructure/Architecture & Housing		2. PROJECT COST		Total Cost	Local Cost	Foreign Cost							
4. REFERENCE NO.				1) 128,388	128,388								
5. TYPE OF STUDY		F/S											
6. COUNTERPART AGENCY Ministry of Health		3. CONTENTS OF MAJOR PROJECT(S)				(Description) Cancelled after the completion of the feasibility study. (FY1991 Overseas Survey) No additional information. (FY1994 Domestic Survey) No additional information.							
7. OBJECTIVES OF STUDY		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.											
8. DATE OF S/W		1978/12		Imp. Period:									
9. CONSULTANT(S) Nihon Sekkei, Inc.		4. FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) EIRR2) EIRR3)			FIRR1) FIRR2) FIRR3)					
10. STUDY TEAM		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											
No. of Members 15 Period Mar. 1979-Feb. 1980 (11 months)													
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Total M/M</td> <td style="width: 30%;">Japan</td> <td style="width: 30%;">Field</td> </tr> <tr> <td style="text-align: center;">30.32</td> <td style="text-align: center;">20.26</td> <td style="text-align: center;">10.06</td> </tr> </table>		Total M/M	Japan	Field	30.32			20.26	10.06				
Total M/M	Japan	Field											
30.32	20.26	10.06											
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY													
12. EXPENDITURE		5. TECHNICAL TRANSFER											
Total 82,114 (¥'000) Contracted 76,174													
		2. MAJOR REASONS FOR PRESENT STATUS											
		Lack of funds.											
		3. PRINCIPAL SOURCE OF INFORMATION											
		①, ②											

PROJECT SUMMARY (M/P)

Compiled Mar.1986
Revised Mar.1996

ASE PHL/S 103/80

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 style="width: 100%; border: none;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">1)</td> <td style="width: 15%; text-align: center;">Total Cost</td> <td style="width: 15%; text-align: center;">Local Cost</td> <td style="width: 15%; text-align: center;">Foreign Cost</td> </tr> <tr> <td style="text-align: center;">(US\$1,000)</td> <td></td> <td style="text-align: center;">200,900</td> <td style="text-align: center;">128,500</td> <td style="text-align: center;">72,400</td> </tr> <tr> <td></td> <td style="text-align: center;">2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">(US\$1=7.5P)</td> <td></td> <td></td> </tr> </table>		1)	Total Cost	Local Cost	Foreign Cost	(US\$1,000)		200,900	128,500	72,400		2)						(US\$1=7.5P)	
	1)	Total Cost	Local Cost	Foreign Cost																				
(US\$1,000)		200,900	128,500	72,400																				
	2)																							
		(US\$1=7.5P)																						
3.SECTOR	Social Infrastructu/River & Erosion Control	3.CONTENTS OF MAJOR PROJECT(S)	Construction of sabo facilities for sabo and flood control in the surrounding area of Mayon volcano and establishment of disaster prediction and warning system Sabo : Sabo Dam 2nos. Consolidation dam 4nos. Facilities Jetty 15nos. Spur Dike 43nos. Groyne 4nos. Consolidation 34nos 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. * Above project costs are in 1980 prices.																					
4.REFERENCE NO.		4.CONDITIONS AND DEVELOPMENT IMPACTS			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. 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.																			
5.TYPE OF STUDY	M/P	10.STUDY TEAM	2.MAJOR REASONS FOR PRESENT STATUS																					
6.COUNTERPART AGENCY	Dept. of Public Works and Highways (DPWH)	11.ASSOCIATED AND/OR SUBCONTRACTED STUDY			3.PRINCIPAL SOURCE OF INFORMATION ①, ②, ③																			
7.OBJECTIVES OF STUDY	Sabo and Flood Control plan for the Quinali (A) River The Quinali (B)River and the Yawa River	12.EXPENDITURE	5.TECHNICAL TRANSFER 1)OJT 2)JICA Training (2 trainees, 1 month) 3)Cooperation to prepare reports 4)Equipment donation and instruction																					
8.DATE OF SAV	1978/6				<table style="width: 100%; border: none;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">241,998 (¥000)</td> </tr> <tr> <td style="text-align: center;">Total</td> <td></td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">231,034</td> </tr> </table>			241,998 (¥000)	Total		Contracted	231,034												
	241,998 (¥000)																							
Total																								
Contracted	231,034																							
9.CONSULTANT(S)	Nippon Koei Co., Ltd. Sabo Technical Center		<table style="width: 100%; border: none;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">Japan</td> <td style="width: 15%; text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">40.36</td> <td style="text-align: center;">32.02</td> </tr> <tr> <td style="text-align: center;">72.38</td> <td></td> <td></td> </tr> </table>			Japan	Field	Total M/M	40.36	32.02	72.38													
	Japan	Field																						
Total M/M	40.36	32.02																						
72.38																								
			Note																					
					Note																			

和名 マヨン火山砂防基本計画

(M/P, Basic Study, Other)

PROJECT SUMMARY (F/S)

Compiled Mar.1990

Revised Mar.1996

ASE PHL/A 304/80

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Philippines	1.SITE OR AREA				I.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2.NAME OF STUDY		Ilocos Norte Province in northwest end of Luzon Island					
Ilocos Norte Irrigation Project		2.PROJECT COST		Total Cost	Local Cost	Foreign Cost	
		(US\$1,000)	1)	331,000	120,600	210,500	
				2)			
				3)			
3.SECTOR		3.CONTENTS OF MAJOR PROJECT(S)				(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 million 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. (FY1993 Overseas Survey) Phase I, which covers the irrigating area of 10,200 ha, of the original plan was adopted as a Project under Japanese OECF loan with a Project name of "Ilocos Norte Irrigation Project (I)" and implemented since 1982. After the construction was completed in 1987, the intake weir was destroyed by a typhoon. The repairment works were commenced from 1990 and completed on December, 1993 by means of an additional financing of OECF. Phase II, which covers the irrigation area of 12,400 ha, is now waiting for the approval of RDCI (regional Development Council II). After getting the approval, it will be investigated by ICC (Investment Control Committee). This Project has been planned as for a project for the period of 2001 to 2008 in COPPLAN (1993-2002) by NIA, and included in its programme to request the financing of OECF. Since it has been more than ten(10) years passed after the original survey works, the Philippines Governmental Authority concerned carried out the survey works of the environmental assessment on this project, and completed the inspection from the environmental viewpoint by EMB (Environment Management Bureau). (FY1994 Domestic Survey) RDC-I has endorsed this project in 1994. (FY1995 Domestic Survey) NIA wishes to implement the Phase-II by the 21st Yen Credit, and is providing to request.	
Agriculture/(Agriculture in)General		(1)Irrigation area Phase 1 10,200 ha Phase 2 12,400ha					
4.REFERENCE NO.		(2)Diversion Weir 5 places 2 places					
5.TYPE OF STUDY		(3)Irrigation canal(total) 200 km 430km					
6.COUNTERPART AGENCY		link 96.0km					
National Irrigation Administration (NIA)		main 96.6km					
		branch 240.2km					
		(4)Drainage canal(total) 150 km 120km					
		main 75.3km					
		branch 47.8km					
7.OBJECTIVES OF STUDY		(5)Farm road(total) 120km 431.6km					
Agricultural development based on the improvement of irrigation facilities and hydropower generation		(6)Power station					
		Bonga: installed capacity 36,000KW, annual power generation 159.7Gwh					
		Nueva Era: installed capacity 6,800KW, annual power generation 39.54Gwh					
8.DATE OF SAV		Imp. Period:		1980. -1984.	1982. -1987.		
1975/11		4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 13.20 FIRR1)		
9.CONSULTANT(S)					EIRR2) 14.00 FIRR2)		
Sanyu Consultants, Inc.					EIRR3) FIRR3)		
10.STUDY TEAM		Conditions and Development Impacts:					
No.of Members 16		[Conditions]					
Period Aug.1978-Dec.1980(17 months)		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.					
Total M/M		Benefits net income from crop production. (million pesos)					
Japan		1984 1987 1992					
Field		with project 120 147 374					
96.92		without project 117 122 129					
37.18		[Development Impacts]					
59.74		Increased crop production, improved farmers' income and living standard, increased employment opportunities.					
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		The EIRR 1) above is for phase I, and 2) is for Phase II.					
None		5. TECHNICAL TRANSFER					
12.EXPENDITURE		Survey method and development planning method in each sector were transferred to counterparts assigned during the period of the survey					
Total		328,554 (¥'000)					
Contracted		290,172					
		3.PRINCIPAL SOURCE OF INFORMATION					
		①, ②, ③, ④					

和名 イロコスノルテかんがい計画

(F/S,D/D)

PROJECT SUMMARY (M/P)

Compiled Mar.1986
Revised Mar.1996

ASE PHIL/S 104/81

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS	
1. COUNTRY	Philippines	1. SITE OR AREA			I. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Davao City Urban Transport and Land Use	2. PROJECT COST	Total Cost	Local Cost	Foreign Cost	(Description) 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). (FY 1993 Overseas Survey) 3. Pampanga Delta Development Project OECF has concurred the contract of the four contract packages in July 15, 1993. Offices for implementation Agency, consultant, contractor are set up on the site area. The reasons behind of schedule are, 1) Relocation of squatters affected by the project, 2) persuasion of some opposition groups, and 3) obtain environmental compliance Certificate that pointed out by the OECF. Unless solve the problems OECF does not furnishes funds for first payment. The FMO together with the consultant and contractor is undertaking the reconstruction survey to establish necessary control points and boundary lines. (FY1993 Overseas Survey) RCDP included following three major components. - Installation of traffic signals - Construction of waiting sheds - Construction of Cabaguio Road (FY1994 Domestic Survey)(FY1995 Domestic Survey) No additional information.
3. SECTOR	Transportation/Urban Transportation		1)	246,312	110,067	
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)	2)	136,245		
5. TYPE OF STUDY	M/P	1) Regional development 7 industrial estates; 6 commercial centers; 2 educational urban centers; 1 administrative center; 2 port expansion				
6. COUNTERPART AGENCY	Dept. of Public Works and Highways (DPWH)	2) Road 25 new trunk road sections; 40 improvement sections				
7. OBJECTIVES OF STUDY	Formulation of a land use plan and a transportation master plan through 2000	3) Public transportation introduction of bus transport				
8. DATE OF SAV	1979/3	4) Traffic control improvement of interchanges; signals; exclusive bus lanes				
9. CONSULTANT(S)	Nippon Engineering Consultants Co., Ltd. Nippon Koei Co., Ltd.	4. CONDITIONS AND DEVELOPMENT IMPACTS	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.			
10. STUDY TEAM	No. of Members 17 Period Jun.1979-Dec.1981 (30 months)	5. TECHNICAL TRANSFER	1) OJT on transport planning 2) Participation of counterparts in JICA training program 3) Employment of local consultants			
	Total M/M Japan Field 136.93 17.33 119.60	12. EXPENDITURE				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Topographic maps (scale: 1/10,000 and 1/5,000)					
	Total 326,652 (¥'000) Contracted 323,320	2. MAJOR REASONS FOR PRESENT STATUS				
		3. PRINCIPAL SOURCE OF INFORMATION	①, ②			

和名 ダバオ都市交通計画

(M/P, Basic Study, Other)

PROJECT SUMMARY (F/S)

Compiled Mar.1990
Revised Mar.1996

ASE PHL/S 309/81

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT																																																								
1. COUNTRY	Philippines	1. SITE OR AREA				1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled																																																							
2. NAME OF STUDY	Rural Telecommunications Project in Regions III (Central Luzon) and IV (Southern Tagalog)	Luzon, Mindoro, Lubang, Palawan, Panai, Tablas, Romblon																																																												
3. SECTOR	Communications & B/Telecommunication	2. PROJECT COST				(Description)																																																								
4. REFERENCE NO.		<table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">Total Cost</td> <td style="text-align: center;">Local Cost</td> <td colspan="2" style="text-align: center;">Foreign Cost</td> </tr> <tr> <td>(US\$1,000)</td> <td style="text-align: center;">82,670</td> <td style="text-align: center;">8,470</td> <td colspan="2" style="text-align: center;">74,200</td> </tr> <tr> <td>(US\$1=215Yen=28.3P)</td> <td style="text-align: center;">1)</td> <td style="text-align: center;">2)</td> <td colspan="2" style="text-align: center;">3)</td> </tr> </table>							Total Cost	Local Cost	Foreign Cost		(US\$1,000)	82,670	8,470	74,200		(US\$1=215Yen=28.3P)	1)	2)	3)																																									
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5. TYPE OF STUDY	F/S	3. CONTENTS OF MAJOR PROJECT(S)				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. (FY1993 Overseas Survey) Jul.1994 Construction is scheduled to be completed. (FY1994 Domestic Survey)(FY1995 Domestic Survey) No additional information.																																																								
6. COUNTERPART AGENCY	Bureau of Telecommunications	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Phase 1(1991)</th> <th style="text-align: center;">Phase 2(1994)</th> <th colspan="2" style="text-align: center;">Total</th> </tr> </thead> <tbody> <tr> <td>Telephone Installation Plan</td> <td style="text-align: center;">8,210</td> <td style="text-align: center;">5,510</td> <td colspan="2" style="text-align: center;">13,720</td> </tr> <tr> <td>SHF system</td> <td style="text-align: center;">9 spans/466.3km</td> <td style="text-align: center;">2/115.4km</td> <td colspan="2" style="text-align: center;">11/581.7km</td> </tr> <tr> <td>UHF/VHF system</td> <td style="text-align: center;">34 spans</td> <td style="text-align: center;">110 spans</td> <td colspan="2" style="text-align: center;">144 spans</td> </tr> <tr> <td>Telex exchanges</td> <td style="text-align: center;">2</td> <td style="text-align: center;">-</td> <td colspan="2" style="text-align: center;">2</td> </tr> <tr> <td>Telex concentrator</td> <td style="text-align: center;">5</td> <td style="text-align: center;">5</td> <td colspan="2" style="text-align: center;">14</td> </tr> <tr> <td>Telex and genex equipment</td> <td style="text-align: center;">38</td> <td style="text-align: center;">84</td> <td colspan="2" style="text-align: center;">122</td> </tr> <tr> <td>Trunk cable length</td> <td style="text-align: center;">78.2</td> <td style="text-align: center;">113.5</td> <td colspan="2" style="text-align: center;">191.7</td> </tr> <tr> <td>Local cable length</td> <td style="text-align: center;">238km</td> <td style="text-align: center;">133km</td> <td colspan="2" style="text-align: center;">371km</td> </tr> <tr> <td>Buildings (Radio station, Telephone Office etc.)</td> <td style="text-align: center;">54</td> <td style="text-align: center;">123</td> <td colspan="2" style="text-align: center;">177</td> </tr> <tr> <td>Access roads</td> <td style="text-align: center;">32.5km</td> <td style="text-align: center;">55.7km</td> <td colspan="2" style="text-align: center;">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	-	2		Telex concentrator	5	5	14		Telex and genex equipment	38	84	122		Trunk cable length	78.2	113.5	191.7		Local cable length	238km	133km	371km		Buildings (Radio station, Telephone Office etc.)	54	123	177		Access roads	32.5km	55.7km	88.2km	
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7. OBJECTIVES OF STUDY	To determine the feasibility of the Rural Telecommunications Project in Regions III and IV.	8. DATE OF SAV																																																												
8. DATE OF SAV	1980/4	Imp. Period: 1982. -1986.																																																												
9. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.	4. FEASIBILITY AND ITS ASSUMPTIONS		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Feasibility:</td> <td style="text-align: center;">EIRR1)</td> <td style="text-align: center;">72.53</td> <td style="text-align: center;">FIRR1)</td> <td style="text-align: center;">7.26</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">EIRR2)</td> <td style="text-align: center;">11.75</td> <td style="text-align: center;">FIRR2)</td> <td style="text-align: center;">6.89</td> </tr> <tr> <td></td> <td style="text-align: center;">EIRR3)</td> <td></td> <td style="text-align: center;">FIRR3)</td> <td></td> </tr> </table>		Feasibility:	EIRR1)	72.53	FIRR1)	7.26	Yes	EIRR2)	11.75	FIRR2)	6.89		EIRR3)		FIRR3)																																											
Feasibility:	EIRR1)	72.53	FIRR1)	7.26																																																										
Yes	EIRR2)	11.75	FIRR2)	6.89																																																										
	EIRR3)		FIRR3)																																																											
10. STUDY TEAM	No. of Members 13 Period Mar.1981-Mar.1982(12 months)	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.																																																												
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	None	5. TECHNICAL TRANSFER				2. MAJOR REASONS FOR PRESENT STATUS																																																								
12. EXPENDITURE	Total 46,006 (¥000) Contracted 15,139	(1) Trainee acceptance; 2 counterparts invited to Japan (2) On-the-Job-Training for counterparts				(1) Effectiveness (2) High priority																																																								
						3. PRINCIPAL SOURCE OF INFORMATION																																																								
						①, ②, ④																																																								

PROJECT SUMMARY (F/S)

Compiled Mar.1990
Revised Mar.1996

ASE PHL/S 310/81

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Philippines	1. SITE OR AREA				1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input checked="" type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Pampanga Delta Development Project	Panpanga River Basin (0.32 million ha) in Luzon					
3. SECTOR	Social Infrastructure/River & Erosion Control	2. PROJECT COST		Total Cost	Local Cost	Foreign Cost	
4. REFERENCE NO.		(US\$1,000)	1) 182,666	102,666	80,000	(Description) 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 (FY1993 Overseas Survey) OECF agreed the contract of implementation program which is divided into four divisions of construction in Jul.1993. The implementation body, consultant and sub-contractor established the local office. The reasons of construction delay are: 1)delay of transfer the habitants in the construction area, 2)difficulty of persuasion of opponents, 3)needs to get the Environmental Compliance Certificate. DPWH has been striving to solve such problems. (FY1994 Domestic Survey) The Environmental Compliance Certificate was approved and issued in May 1994. However, OECF has not commenced disbursement of the Loan for the construction fund yet, because it is impossible to start the construction actually until the completion of right-of-way acquisition and house compensation. Therefore, the Contractors suspend the Civil works. DPWH has been striving to solve problems of right-of-way acquisition and house compensation in the area for the 1st year construction out of 4-year construction by the end of 1994. Therefore, the construction works will be resumed at the beginning of 1995. (FY1995 Domestic Survey) Before commencement of the construction of the irrigation project, re-examination of the design, pre-qualification and preparation of the tender documents are carried out during Feb., 1992 to Feb., 1993. P/Q was done on Dec., 1992. However, due to the effects of the eruption of Pinatubo volcano, the implementation works suspended on Feb., 1993. On Feb., 1994, NIA requested reopening the implementation. Then OECF despatched SAPI Team (Nippon Koei Co., Ltd.) for examination of the possibility to reopen the project, on Jul., 1995. Their conclusion is expected to come out from the Team upto Dec., 1995.	
5. TYPE OF STUDY	F/S	(US\$1=8.2pesos)	2) 84,000	49,333	33,333		
6. COUNTERPART AGENCY	Dept. of Public Works and Highways (DPWH) and National Irrigation Administration	3. CONTENTS OF MAJOR PROJECT(S)					
7. OBJECTIVES OF STUDY	Review of the master plan and feasibility analysis of priority projects	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.					
8. DATE OF SAV	1980/5	Imp. Period:		4. FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 10.80 FIRR1) EIRR2) 15.40 FIRR2) EIRR3) FIRR3)	
9. CONSULTANT(S)	Nippon Koei Co., Ltd. Nikken Consultants., Inc.	Conditions and Development Impacts: (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.					
10. STUDY TEAM	No. of Members 20 Period Jul.1980-Feb.1982(7 months)	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		2. MAJOR REASONS FOR PRESENT STATUS			
	Total M/M 107.48 Japan 45.94 Field 61.54	Topographic mapping					
12. EXPENDITURE	Total 435,309 (¥'000) Contracted 267,522	5. TECHNICAL TRANSFER				3. PRINCIPAL SOURCE OF INFORMATION	
		(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.				①, ②, ③, ④	

PROJECT SUMMARY (Basic Study)

Compiled Mar.1990

Revised Mar.1996

ASE PHL/S 501/82

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS											
1.COUNTRY	Philippines	1.SITE OR AREA	Northern part of Luzon Island (from Ilagan of Isabela Prov. to Aparri of Cagayan Prov.; 11,000sq.km)			1.PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued									
2.NAME OF STUDY	Topographic Mapping Project for Cagayan Valley	2.PROJECT COST				Total Cost		Local Cost	Foreign Cost							
3.SECTOR	Social Infrastructu/Survey & Mapping		(US\$1,000)	1)	2)	(Description) (FY1991 Overseas Survey) Geodetic control data from the study were used by government and private surveyors. Topographic maps were used for the development planning of the mapped areas, particularly in river basins and coastal zones. (FY1993 Overseas Survey) Topographic Mapping Project for Cagayan Valley: Output is Highly evaluated and appreciated. After completion, NAMRIA has expansion of surey areas by local fund. (FY1994 Domestic Survey)(FY1995 Domestic Survey) No additional information.										
4.REFERENCE NO.		3.CONTENTIS OF MAJOR PROJECT(S)														
5.TYPE OF STUDY	Basic Study	1st year: aerophotos (1/30,000, 15,000 sq.km) 2nd year: datum points surveyed 3rd year: aero-triangulation and orthoscopic photos 4th year: aero-triangulation, topographic original maps, ortho-photo maps 5th year: topographic maps (1/25,000, 72 plates)														
6.COUNTERPART AGENCY	Ministry of Defense, Dept.of Coastal Survey	4.CONDITIONS AND DEVELOPMENT IMPACTS														
7.OBJECTIVES OF STUDY	1:25,000 National Base Mapping covering approx 11,000 km2 of Cagayan Valley Area in Northern Luzon Island.	[Conditions] 1. As there was no existing appropriate aevial photograph for 1:25,000 stereo-plotting an aerial photography in the scale at 1:30,000 was carried out. The scale of 1:30,000 for the photography was considered in order to meet proper scale for generation of the orthophoto-map is the scale at 1:10,000 that was conducted in paralled with 1:25,000 mapping. 2. The symbols and specifications for the 1:25,000 national base map was determined on the basis of existig Philippine 1:25,000 symbols and specifications through detail discussion between Japan and Philippine side to present current local state. 3. As to Photo-controls for stereo plotting, Philippine BCGS made control point survey by employing NNSS observation in the area where nigher tranulation survey nortraversing were expected with difficulty in executing those surveying due to limited to pography. [Development Impacts] 1. It should be possible to provide basic data to formation of general development scheme in the study Area. As the areas to be given benefit were transportation, flood control, intergrated agriculture port rehabilitations, etc. 2. Technical transfer to Philippine counterpart's personnel in preparation of 1:25,000 base map which was never experienced in Philippine history through the implementation of the study.														
8.DATE OF S/W	1978/3	10.STUDY TEAM			2.MAJOR REASONS FOR PRESENT STATUS											
9.CONSULTANT(S)	International Engineering Consultants Association															
		No.of Members 19 Period Feb.1979-Feb.1983(48 months)			3.PRINCIPAL SOURCE OF INFORMATION											
		<table style="width: 100%; border: none;"> <tr> <td style="width: 15%; text-align: center;">Total M/M</td> <td style="width: 15%; text-align: center;">Japan</td> <td style="width: 15%; text-align: center;">Field</td> <td colspan="3"></td> </tr> </table>						Total M/M	Japan	Field						
Total M/M	Japan	Field														
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.technical transfer			①, ②, ③											
12.EXPENDITURE																
		<table style="width: 100%; border: none;"> <tr> <td style="width: 15%; text-align: center;">Total</td> <td style="width: 15%; text-align: center;">931,676 (¥000)</td> <td colspan="3"></td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">803,651</td> <td colspan="3"></td> </tr> </table>			Total	931,676 (¥000)				Contracted	803,651					
Total	931,676 (¥000)															
Contracted	803,651															