

PROJECT SUMMARY (F/S)

Compiled Mar.1990
Revised Mar.1996

ASE IDN/S 334/88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	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 Kalimantan-Sulawesi Submarine Cable System		Ocean Area between Kalimantan and Sulawesi in regard to the Submarine Cable Construction Project					
3. SECTOR Communications & B/Telecommunication		2. PROJECT COST (US\$1,000)		Total Cost	Local Cost	Foreign Cost	
4. REFERENCE NO.				1) 66,702	1,213	65,489	
5. TYPE OF STUDY F/S				2)			
6. COUNTERPART AGENCY Directorate General of Posts and Telecommunication (POSTEL) Perum, Telekomunikasi Headquarters (PERUMTEL)				3)			
7. OBJECTIVES OF STUDY Execution of Ocean Survey (Phase 2) based on S/W and study Results of Phase 1 of this project		3. CONTENTS OF MAJOR PROJECT(S) This transmission system is to connect both toll line exchange stations in Banjarmasin, Kalimantan Is. and Ujung Pandang, Sulawesi Is. And it is planned to apply the backhole microwave sub-system(----) on the ground surface and the optical submarine sub-system(====) at the bottom of the sea. Four(4) transmission routes have been planned as shown below: 1. Banjarmasin----Takisung====Lamalaka-----Ujung Pandang. 2. Banjarmasin----Takisung====Balang-----Ujung Pandang. 3. Banjarmasin----Takisung====Bojo Pare Pare----Ujung Pandang. 4. Banjarmasin----Lemaru=====Towaja-----Ujung Pandang.				(Description) The Government of Indonesia is planning to apply of OECF financing in the future. (FY1994 Overseas Survey) Because of the traffic increase of Kalimantan-East Java and Sulawesi (includes east Indonesia)-East Java, the route was rearranged (from Surabaya to Ujung Pandang, branching to Banjarmasin). Being promoted by WB loan. Jun.1995 EDC to be scheduled Mar.1996 Construction to be started 1999 Construction to be completed (FY1995 Domestic Survey) Dec.,1994 an official notice of the tender was announced. However, no information about the result.	
8. DATE OF SAV 1987/3		Imp. Period: 1989. -1993.		4. FEASIBILITY AND ITS ASSUMPTIONS			
9. CONSULTANT(S) Nippon Telecommunication Consulting Co., Ltd. Sanyo Hydrographic Survey Co., Ltd.				EIRR1) 20.08	FIRR1) 18.14	2. MAJOR REASONS FOR PRESENT STATUS (1) Effectiveness (2) High priority	
10. STUDY TEAM No. of Members 21 Period Aug.1987-Oct.1988 (15 months)				EIRR2)	FIRR2)		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY None				EIRR3)	FIRR3)		
12. EXPENDITURE				Conditions and Development Impacts: Conditions of IRR Calculation: Adoption of cable route between Banjarmasin(Kalimantan) and Ujung pandang(Sulawesi) as the Kalimantan-Sulawesi Submarine Cable System Development Impacts: It is expected to promote digitalization for transmission paths and switching facilities on the Indonesia whole networks		3. PRINCIPAL SOURCE OF INFORMATION ①, ②, ③	
				5. TECHNICAL TRANSFER			
				Total 286,857 (¥'000)			
				Contracted 278,840			

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I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT		
1.COUNTRY	Indonesia	1.SITE OR AREA	Southeastern slope (550 sq.km) of Mt.Galunggung, Kabupaten Tasikmalaya, West Java Province			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 Disaster Prevention Project in the Southeastern Slope of Mt.Galunggung		2.PROJECT COST (US\$1,000)		Total Cost	Local Cost			Foreign Cost
				1) 66,205	30,591	35,614		
				2)				
				3)				
3.SECTOR Social Infrastructure/River & Erosion Control		3.CONTENTS OF MAJOR PROJECT(S)				(Description) DGWRD is considering the possible application for OECF financing. (Related Information) In order to maintain the spare capacity of the sand pockets, the Indonesian Government is excavating the accumulated sediment in the sand pocket and transporting these as aggregate construction materials to Jakarta by Indonesia State Railways (PJKA) (as privatization project). However, in order to not sufficient the capacity of railway transportation, JICA dispatched the short term experts for the technical transfer of the implementation planning of such capacity in August 1991. According to the report of JICA Short Term Experts, PURUMKA is considering the actual plan of the implementing transport capacity. (FY1993 Overseas Survey) 1. Now, sand excavation in Mt. Galunggung is significantly increased because of high demand (about 40,000m ³ /day) and best quality of its sand. Sand are transported ainly by trucks, which quantitatively larger than wagon trains. 2. Positive responses have been gained from local people because of new family income and safety from disasters. 3. D/D of drainage tunnel in being conducted by PT Virama Karya and financed by APBN. BUT the implementation is suspended due to budget constraint. 4. Since M/P were not conducted, it is recommended that future M/P should accommodate demand of say 25 or 30 years ahead, in conjunction with integrated rivew basin development. (FY1994 Domestic Survey)(FY1995 Domestic Survey) No additional information.		
4.REFERENCE NO.		1) Maintenance of sand pockets (as expansion of the height of wall for existing 12km long sand pocket)						
5.TYPE OF STUDY		2) Stabilization of river channels within the sand pockets (to construct for 12km expansion of the existing dike)						
6.COUNTERPART AGENCY		3) Construction of 34 Sabo dams in the southern slope						
Directorate General of Water Resource Development		4) Drainage works for the crater lake (to construct new 2m 700m long tunnel)						
7.OBJECTIVES OF STUDY		5) Establishment of the early warning and evacuation system						
8.DATE OF SAV		Imp. Period:						
1987/3		4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 10.90			FIRR1)
9.CONSULTANT(S)		Yachiyo Engineering Co., Ltd.		EIRR2)	FIRR2)			
				EIRR3)	FIRR3)			
10.STUDY TEAM		Conditions and Development Impacts: The project will reduce the damages caused by volcanic debris and floods, and contribute to the improvement of land use and living environment for the local inhabitants, creation of employment, and regional economic growth.						
No.of Members 12								
Period Jun.1987-Nov.1988(18 months)								
Total M/M		Japan		Field				
76.28		34.32		41.96				
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY								
Topographic survey(vertical and cross 115km); boring(l=200m; survey of riverbed materials (20 samples)								
12.EXPENDITURE		5.TECHNICAL TRANSFER						
Total 238,944 (¥000)		OJT on river and erosion control						
Contracted								
		2.MAJOR REASONS FOR PRESENT STATUS						
		3.PRINCIPAL SOURCE OF INFORMATION						
		①, ③						

和名 ガルングン火山防災計画

(F/S,D/D)

PROJECT SUMMARY (F/S)

Compiled Mar. 1990
Revised Mar. 1996

ASE IDN/S 337/88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT																										
1. COUNTRY	Indonesia	1. SITE OR AREA				I. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input checked="" type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled																									
2. NAME OF STUDY Urgent Bali Beach Conservation Project		Three beaches of the southern coast of Bali Island																														
3. SECTOR Social Infrastructure/River & Erosion Control		2. PROJECT COST (US\$1,000)		Total Cost	Local Cost	Foreign Cost																										
4. REFERENCE NO.		1)	44,655	10,586	34,089	(Description) Dec. 1990 OECF loan agreement signed (E/S, 279 million yen) Nov. 1991-Dec. 1992 D/D undertaken, and tender documents prepared The total cost of the project is estimated to be 8,585 million yen (US\$59.2 million). The construction is expected to start in 1993 and to be completed in 1996. (FY1993 Overseas Survey) - Emergency structural measure were conducted by the priority companies, by constructing groynes and rock revetment. But these structures, groynes and tetrapods, make sore to eyes. Particularly Sanur beach has this tendency. - The implementation of the planned projects depended on budget. (FY1994 Domestic Survey) No progress.																										
5. TYPE OF STUDY		2)																														
6. COUNTERPART AGENCY Directorate of Rivers, Directorate General of Water Resource Development (DGRD)		3)																														
7. OBJECTIVES OF STUDY Protection from Beach Erosion		3. CONTENTS OF MAJOR PROJECT(S) - Major beach projects are as follows:																														
8. DATE OF SAW		<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Kuta</th> <th style="text-align: center;">Nusa Dua</th> <th style="text-align: center;">Sanur 1</th> <th style="text-align: center;">Sanur 2</th> </tr> </thead> <tbody> <tr> <td>Beach Reinforcement length (km)</td> <td style="text-align: center;">2.7</td> <td style="text-align: center;">2.35</td> <td style="text-align: center;">0.7</td> <td style="text-align: center;">4</td> </tr> <tr> <td>width (average, m)</td> <td style="text-align: center;">50</td> <td style="text-align: center;">50</td> <td style="text-align: center;">30</td> <td style="text-align: center;">30</td> </tr> <tr> <td>amount (sq.m)</td> <td style="text-align: center;">783,000</td> <td style="text-align: center;">229,000</td> <td style="text-align: center;">96,000</td> <td style="text-align: center;">352,000</td> </tr> <tr> <td>groins</td> <td colspan="4">4 (T-shaped) Extension of 1 (straight) existing groin</td> </tr> </tbody> </table>							Kuta	Nusa Dua	Sanur 1	Sanur 2	Beach Reinforcement length (km)	2.7	2.35	0.7	4	width (average, m)	50	50	30	30	amount (sq.m)	783,000	229,000	96,000	352,000	groins	4 (T-shaped) Extension of 1 (straight) existing groin			
	Kuta	Nusa Dua	Sanur 1	Sanur 2																												
Beach Reinforcement length (km)	2.7	2.35	0.7	4																												
width (average, m)	50	50	30	30																												
amount (sq.m)	783,000	229,000	96,000	352,000																												
groins	4 (T-shaped) Extension of 1 (straight) existing groin																															
9. CONSULTANT(S)		- Tanah Lot Conservation using concrete blocks around the island.																														
10. STUDY TEAM		Imp. Period: 1990.1-1994.12																														
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY maritime survey; depth survey; shoreline survey; survey of sea and river sand as materials for beach reinforcement		4. FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 29.50 EIRR2) EIRR3)	2. MAJOR REASONS FOR PRESENT STATUS																										
12. EXPENDITURE		Conditions and Development Impacts: Conditions: 1) Project life of 20 years; 2) Early implementation of the project; 3) Establishment of coastal authority; 4) Prohibition of coral material dredging; 5) Preservation of natural environment and traditional, cultural assets under the construction EIRR by each beach are as follows: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">EIRR(%)</th> <th style="text-align: center;">B/C (discount rate: 12%)</th> </tr> </thead> <tbody> <tr> <td>Kuta</td> <td style="text-align: center;">21.0</td> <td style="text-align: center;">1.70</td> </tr> <tr> <td>Nusa Dua</td> <td style="text-align: center;">43.2</td> <td style="text-align: center;">4.43</td> </tr> <tr> <td>Sanur</td> <td style="text-align: center;">33.4</td> <td style="text-align: center;">3.09</td> </tr> <tr> <td>Whole Project</td> <td style="text-align: center;">29.5</td> <td style="text-align: center;">2.57</td> </tr> </tbody> </table> Impacts: The project will contribute to the increase of tourists from abroad and thereby increase foreign exchange earnings.					EIRR(%)	B/C (discount rate: 12%)	Kuta	21.0	1.70	Nusa Dua	43.2	4.43	Sanur	33.4	3.09	Whole Project	29.5	2.57	3. PRINCIPAL SOURCE OF INFORMATION											
	EIRR(%)	B/C (discount rate: 12%)																														
Kuta	21.0	1.70																														
Nusa Dua	43.2	4.43																														
Sanur	33.4	3.09																														
Whole Project	29.5	2.57																														
Total 218,930 (¥'000)						①, ③, ④																										
Contracted 205,864		5. TECHNICAL TRANSFER																														
		Seminars on beach conservation (at Bali and Bandung in Nov. 1988)																														

PROJECT SUMMARY (M/P)

Compiled Mar.1991

Revised Mar.1996

ASE IDN/A 104/89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS	
1.COUNTRY	Indonesia	1.SITE OR AREA	Negara River Basin, South Kalimantan Province (Study Area 12,683 sq.km)		1.PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2.NAME OF STUDY	Negara River Basin Overall Irrigation Development Plan	2.PROJECT COST	Total Cost	Local Cost	Foreign Cost	(Description) Technical Assistance for the Negara Pilot project will be requested to Japanese Government (FY1994 Domestic Survey) Indonesian Government listed for the Annual Meeting with Japanese Government to request F/S study of this project. (FY1994 Overseas Survey) Indonesia conducted a study of an agro-profile of the Negara River Basin including the number of farmers, status of farmers organizations, soil conditions, climates, etc. F/S is requested to Japan and the project is listed on the Blue Book. (FY1995 Domestic Survey) Indonesian Government has urgently commenced the development project for paddy field estate with an area of 1.2 million ha. in Kalimantan with participation of private capital investment on 1995. As for the objective area of this project, an area of 1 million ha. at the basin of Barito River of central Kalimantan has been selected. Therefore, the adjustment with the Negara Pilot Project becomes necessary.
3.SECTOR	Agriculture/(Agriculture in)General		(US\$1,000)	1) 215,000		
4.REFERENCE NO.		3.CONTENTIS OF MAJOR PROJECT(S)				
5.TYPE OF STUDY	M/P	The following four package projects which are composed of 76 schemes are formulated for the period from Repelita V to Repelita X, ie. 30 years for 1989/90-2018/19 period.				
6.COUNTERPART AGENCY	Directorate General of Water Resources Development, Ministry of Public Works	Project	Irrigation	Drainage	Folder	
7.OBJECTIVES OF STUDY	Formulation of the development strategy in Negara River Basin, South Kalimantan	Total	Scheme	Scheme	Scheme	
8.DATE OF SAV	1987/7	1. Negara Pilot Project	1	3	1	
9.CONSULTANT(S)	Nippon Koei Co., Ltd.	5	5	18	0	
10.STUDY TEAM	No.of Members 10 Period Mar.1988-Jul.1989(13 months)	24	15	8	4	
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Installation of meters for water level measurement	28	9	9	0	
12.EXPENDITURE	Total 212,021 (¥000) Contracted 172,248	19	30	38	5	
		76 NIDUP; Negara Irrigation and Drainage Upgrading Project UNADP; Upper Negara Agricultural Development Project LNALP; Lower Negara Agricultural development Project The first priority is given to the Negara Pilot Project. For the 5				
		4.CONDITIONS AND DEVELOPMENT IMPACTS			2.MAJOR REASONS FOR PRESENT STATUS	
		Conditions: In order to implement all the 76 proposed schemes until 2018, it is necessary to increase public investment with an annual growth rate of 10% for water resources development in the Study Area. Major development impacts: The completion of the proposed four package projects would raise the annual paddy production to 880,000 tons, which would be more than the projected demand for paddy (815,600 tons) in 2018 in the Study Area. In addition, the completion of the four package projects would bring the following effects: - Increase of population growth from the projected 0.65% p.a. to 1.18% p.a. - 70% increase of gross income of typical farmers - Contribution to foreign exchange savings of about US\$74 million and export earnings of US\$39 million (1988 constant prices).				
		5.technical transfer			3.PRINCIPAL SOURCE OF INFORMATION	
		Technology transfer to the counterparts in the course of the study.			①, ③	

PROJECT SUMMARY (M/P)

Compiled Mar.1991

Revised Mar.1996

ASE IDN/S 125/89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS		
1. COUNTRY	Indonesia	1. SITE OR AREA	Four provinces of northern Sumatra (Aceh, North Sumatra, West Sumatra and Riau)			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 Regional Development Plan for the Northern Part of Sumatra	2. PROJECT COST				(US\$1,000)	Total Cost
3. SECTOR	Development Plan/Integrated Regional Development Plan	3. CONTENTS OF MAJOR PROJECT(S)	Total Cost Local Cost Foreign Cost 1) 3,069,000 2)				
4. REFERENCE NO.		Considering the largeness of the region and limited financial resources, the team chose to focus on some selected areas. Eleven such priority areas are identified from among 24 subregions through a potential evaluation and strategic considerations. A multisector program is then formulated for each of the 11 priority areas and termed the Integrated Development Program (IDEP). Many other sectoral projects which do not make up an IDEP but is needed from the regional standpoint are also identified and outlined. In total: 11 IDEPs On average, Each covers 10,000 sq.Km and one million population. Consists of 30 to 40 sectoral projects. 430 Sectoral Projects (291 IDEP components)					
5. TYPE OF STUDY	M/P						
6. COUNTERPART AGENCY	Directorate General of Human Settlements, Ministry of Public Works						
7. OBJECTIVES OF STUDY	Long-term planning (1989-2008) and preparatory study of priority projects.						
8. DATE OF SAW	1988/1	4. CONDITIONS AND DEVELOPMENT IMPACTS	(1) The macroeconomic framework for plan: GDP growth rate (non-oil/gas) is 5.7% (88-93), 6.5% (93-98); population growth will remain higher than the national average; the total investment required is US \$77 billion, 65% of which will be financed by private sources. (2) As a result, per capita GDP will grow faster than the national average while east-west disparities will reduce in the region. The five objects will be attained. 1) Center for food production 2) Promotion of exports and tourism 3) Center for manufacturing 4) Reception of immigrants 5) Integrated regional economy				
9. CONSULTANT(S)	International Development Center of Japan Nippon Koei Co., Ltd.						
10. STUDY TEAM	No. of Members 18 Period Mar. 1988-Mar. 1990 (25 months)						
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">Japan</td> <td style="text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">130.73</td> <td style="text-align: center;">9.90</td> <td style="text-align: center;">120.83</td> </tr> </table>		Total M/M				Japan	Field
Total M/M	Japan	Field					
130.73	9.90	120.83					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Compilation of land use maps	5. TECHNICAL TRANSFER	(1) Five workshops held to discuss each report. (2) Study tour for 6 officials. (3) A lecture for counterparts on how to carry out planning practice.				
12. EXPENDITURE	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Total</td> <td style="text-align: right;">428,345 (Y'000)</td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td style="text-align: right;">427,744</td> </tr> </table>	Total				428,345 (Y'000)	Contracted
Total	428,345 (Y'000)						
Contracted	427,744						
		2. MAJOR REASONS FOR PRESENT STATUS			3. PRINCIPAL SOURCE OF INFORMATION		
		(1) Enthusiasm among Indonesian officials (2) Timely proposal of the IDEP approach as a prospective countermeasure to the sectoral approach (3) Team's effort to facilitate policy dialogue					
		3. PRINCIPAL SOURCE OF INFORMATION			①, ③		

PROJECT SUMMARY (M/P+F/S)

Compiled Mar.1991
Revised Mar.1996

ASE IDN/S 216B/89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Indonesia	1.SITE OR AREA	Throughout Indonesia			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	Integrated Radio and Television Servicing System Project	2.PROJECT COST (US\$1,000)	M/P 1) 155,071 Local Cost	26,108 Foreign Cost	128,963	(Description) The Government of Indonesia has reviewed the Long-Term Plan drawn up in 1984 based on the result of this Study Report. Currently, a few projects below are under implementation: (1) Rehabilitation of Radio and Television Network (Phase-I): OECF Loan (7,478 million yen), 1990 L/A (2) OECF signed L/A on Phase-II Project of the same title (708 million yen) in Nov. 1993. (3) In addition, three projects in the Repelita V financed by UK and Austria are now under implementation. (As of Dec. 1992) *Contents of OECF Loan The facility renovation and rehabilitation of radio broadcasting station: 10 stations The facility renovation of radio broadcasting studio: 10 stations The facility renovation of TV broadcasting studio: 3 stations The establishment of maintenance center: 3 centers (FY1994 Domestic Survey) Phase-1 Nov., 1991 Contract for Consulting Services, Jan., 1993 Contract for Equipment Supply, Sep., 1994 Final Handing-over, successively under Operation & Maintenance Services. Phase-2 Dec., 1993 Contract for Consulting Services, successively under: Contract for Direct Appointment Portion and Preparation for the Bid for International Competitive Bid portion. (FY1993 Overseas Survey) Dec. 1996 scheduled to be completed (FY1994 Overseas Survey) (F/S) Dec. 1990 OECF L/A signed (Rehabilitation of Radio & Television Network Ph. I (7,180mYen)) (Construction already completed, advisory service to be completed in Sep. 1995) Dec. 1993 OECF L/A signed (Rehabilitation of Radio & Television Network Ph. II (710mYen)) Oct. 1996 Construction to be completed (M/P) Nov. 1990 UK L/A signed (Improvement of Radio SW-Transmitter for Radio National Service (9.0mYen))	
3.SECTOR	Communications & B/Broadcasting	US\$1=Rp.1,771=142.8	F/S 1) 60,721	4,402	56,319		
4.REFERENCE NO.		2) 3)					
5.TYPE OF STUDY	M/P+F/S	3.CONTENTS OF MAJOR PROJECT(S)					
6.COUNTERPART AGENCY	RIF, Ministry of Information	<M/P>The following projects will be suggested by the year of 1999. (1) Rehabilitation of 8 High Radio Stations (2) Rehabilitation of 5 TV transmitting stations (3) Establishment of a Maintenance System (7 maintenance bases) (4) Improvement of Engineering Communication Network (48 radio stations, 100 TV stations) (5) Introduction of TV Up-Links (2 TV stations) (6) Improvement of Programme Transmission Lines (48 radio stations) (7) Additional Construction of MW facilities at SW-Only stations (10 stations) (8) Rehabilitation of studies at Regional Radio Stations (22 stations) (9) Improvement of RN-I Network (10 stations) (10) Improvement of TVN-I Network (50 stations)					
7.OBJECTIVES OF STUDY	Feasibility Study Covering Repelita V	<F/S> (1) Rehabilitation of 8 High Radio Stations (2) Rehabilitation of 5 TV transmitting stations (3) Establishment of a Maintenance System (Maintenance Center) (4) Improvement of Radio Programme Transmission Line, Engineering Communication Network and Introduction of TV Up-Links (5 stations) (5) Additional Construction of MW Facilities at SW-only stations (5 stations) (6) Rehabilitation of studies at Regional Radio Stations (4 stations)					
8.DATE OF S/W	1988/11	Imp. Period: 1992. -1994.					
9.CONSULTANT(S)	Integrated Technology Inc. Yachiyo Engineering Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 11.70	FIRR1) FIRR2) FIRR3)		
10.STUDY TEAM	No. of Members 18 Period Apr.1989-Mar.1990(12 months)	Conditions and Development Impacts: <Impacts>(1) Restoration and maintenance of broadcasting functions, and an increasing of broadcasting service by establishment of maintenance system. (2) Qualitative and quantitative improvement of broadcasting network. (3) Enrichment of broadcast programme. (4) With achievement of efficient management and financial stability, Indonesia's broadcasting can be expected to take another great leap toward its ultimate goals set for the year 2000 and beyond. <Conditions> It is estimated that about 84 million people are bestowed benefit directly by this improvement plan. The investment cost of whole projects to achieve the plan totals 107.5 billion Rp, and as the total number of households is about 3,919 Rp., the cost per household is about 2,743 Rp. It seems that this amount is not so large to enjoy good quality broadcasting service can obtain income only after the total system is established. Distribution of income for partial improvement of the system is difficult. Evaluation is only for EIRR but not for FIRR.					
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	None	5.TECHNICAL TRANSFER					
12.EXPENDITURE	Total 154,474 (Y'000) Contracted 142,842	Technical and Management transfer are done in the following items. (1) Measurement of Field Strength, (2) Organization and Management, (3) Programme Transmission by Satellite etc. And Training in Japan was done in November, 1989 (analysis technique of Study Result (2 persons)).					
		2.MAJOR REASONS FOR PRESENT STATUS					
		1. High priority: High priority has been given to the role of broadcasting to achieve the target of the National Development Plan. 2. Continuity: To continue the improvement of broadcasting with precedence of OECF finance in connection with previous projects in 1970s.					
		3.PRINCIPAL SOURCE OF INFORMATION					
		①, ③, ④					

和名 ラジオ・テレビ放送総合開発計画

状況 (要約表添付文書)

ASE IDN/S 216B/89	(M/P+F/S)
Name of Study: Integrated Radio and Television Servicing System Project	
Country: Indonesia	
Type of Study: M/P+F/S	
Sector: Communications & B/Broadcasting	
Present Status: Partially Completed	

(Description)

The Government of Indonesia has reviewed the Long-Term Plan drawn up in 1984 based on the result of this Study Report. Currently, a few projects below are under implementation:

- (1) Rehabilitation of Radio and Television Network
(Phase-I): OECF Loan (7,478 million yen), 1990 L/A
- (2) OECF signed L/A on Phase-II Project of the same title (708 million yen) in Nov. 1993.
- (3) In addition, three projects in the Repelita V financed by UK and Austria are now under implementation. (As of Dec. 1992)

*Contents of OECF Loan
 The facility renovation and rehabilitation of radio broadcasting station: 10 stations
 The facility renovation of radio broadcasting studio: 10 stations
 The facility renovation of TV broadcasting studio: 3 stations
 The establishment of maintenance center: 3 centers

(FY1994 Domestic Survey)

Phase-1
 Nov., 1991 Contract for Consulting Services,
 Jan., 1993 Contract for Equipment Supply,
 Sep., 1994 Final Handing-over, successively under Operatin & Maintenance Services.

Phase-2
 Dec., 1993 Contract for Consulting Services, successively under:
 Contract for Direct Appointment Portion and Preparation for the Bid for International Competitive Bid portion.

(FY1993 Overseas Survey)

Dec. 1996 scheduled to be completed

(FY1994 Overseas Survey)

(F/S)
 Dec. 1990 OECF L/A signed (Rehabilitation of Radio & Television Network Ph. I (7,180mYen))
 Sep. 1995 (Construction already completed, advisory service to be completed in Sep. 1995)
 Dec. 1993 OECF L/A signed (Rehabilitation of Radio & Television Network Ph. II (710mYen))
 Oct. 1996 Construction to be completed
 (M/P)
 Nov. 1990 UK L/A signed (Improvement of Radio SW-Transmitter for Radio National Service (9.0mPds.))
 Jan. 1995 Construction to be completed
 Dec. 1990 Austria L/A signed (Improvement of Radio Broadcasting Facilities for RRI Regional Stations (241mATS))
 Mar. 1998 Construction to be completed
 Sep. 1992 Austria L/A signed (Improvement of Radio Stations of the Broadcasting Station in Jakarta and Regional Broadcast Centers and OB-Vans (310mATS))
 Dec. 1997 Construction to be completed

(FY1995 Domestic Survey)

Phase-1
 Sep., 1995 Scheduled to be completed.
 Phase-2
 Jan., 1995 Contract for suppliment of equipment and materials for the part of directly nominated.
 Mar., 1995 Contract for suppliment of equipment and materials for the part of international bidding.

PROJECT SUMMARY (M/P+F/S)

Compiled Mar.1991

Revised Mar.1996

ASE IDN/S 215B/89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Within ex-airport project site: 133 hectare Outside ex-airport project site: 4 site 19 hectare			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	Kemayoran Urban Housing Development Project	2. PROJECT COST	M/P 1) 120,137 Local Cost 2) (US\$1,000) Cost 3) US\$1=Rp.1,741=128ye F/S 1) 3,889 2) 3,889 3)			
3. SECTOR	Social Infrastructu/Urban Planning & Land Development	3. CONTENTS OF MAJOR PROJECT(S)	<p><M/P></p> <p>(1) Development Plan within ex-airport area (a) for low income group (b) for general use (totalled to 14,500 units) (c) for urban amenities and infrastructure arrangement (2) Housing renewal plan in neighborhood area of ex-airport (3) Development of methodology of urban renewal</p> <p>The M/P assumes that the housing development be implemented with the available local funds and that the accruing benefits of the development (including the income of land sales) favorably stimulate housing improvement efforts in the neighboring areas.</p> <p><F/S></p> <p>Housing renewal on total 3.5 ha. of Case Study Sites D located in the vicinity of the ex-airport including 635 houses for low income group.</p>			<p>(Description)</p> <p>1. Part of the development/redevelopment of the ex-airport site commenced in 1989 by local funds. Housing development on 133 ha will be implemented by Perumnas (Indonesian Housing Cooperation).</p> <p>2. Sites A and B located in the ex-airport site will be implemented in accordance with the results of this study.</p> <p>3. Indonesian side is now considering the implementation of Sites C, D, E and F. In particular, Site F is feasible if the recommended renewal method is applied.</p> <p>(FY1993 Overseas Survey)</p> <p>In response to the request by Indonesian Government, OECF dispatched as appraisal mission on the project, which was expected to be the first loan in the housing sector. However, insufficient preparation of the Directorate General lowered its priority.</p> <p>The land price at the site, a former airport, is skyrocketing now. The Government held an exposition at a different site from site D.</p> <p>There is still a slight chance to apply for OECF loan. However, the private sector will develop the site, comprising mainly upper-class residences and low cost housings, by itself.</p> <p>(FY1994 Domestic Survey)(FY1995 Domestic Survey)</p> <p>No additional information.</p>
4. REFERENCE NO.		4. FEASIBILITY AND ITS ASSUMPTIONS				
5. TYPE OF STUDY	M/P+F/S	Feasibility: Yes	EIRR1) 19.00 EIRR2) EIRR3)			
6. COUNTERPART AGENCY	Directorate General of Human Settlements Ministry of Public Works	Conditions and Development Impacts:	<p><M/P>1. Promotion of Jakarta City to the direction of east 2. To assure to stickness to urban development plan caused by increase of supply of housing 3. Effective use of land within Jakarta City 4. Contribution to prevention of disasters of urban area 5. Promotion of inhabitants' participation at urban development 6. Dissemination of method of urban renewal</p> <p><F/S>1. 120 ha. housing development: Increase in housing stock at the center of the city. Reinforcement of urban functions of Jakarta city. 2. Renewal of surrounding: Safeguarding ex-airport development, increase in housing stock, enhancing urban functions by intensive land use, contributing to the prevention of urban disaster. 3. Enlightenment of community participation by demonstrating actual sample of urban renewal. 4. Application of developed renewal methodology to other urban areas and other cities.</p>			2. MAJOR REASONS FOR PRESENT STATUS
7. OBJECTIVES OF STUDY	Conduct of Feasibility Study on Urban Housing and Urban Renewal	5. TECHNICAL TRANSFER				
8. DATE OF SAV	1988/4		<p>1. Development of methodology of urban renewal, and urban housing renewal. 2. Seminar was held in Jakarta on the implementation of urban renewal project, with the attendance of about 100 people. 3. Acceptance of trainees: 2 trainees</p>			3. PRINCIPAL SOURCE OF INFORMATION ①, ③
9. CONSULTANT(S)	Yachiyo Engineering Co., Ltd. JCP Co., Ltd.					
10. STUDY TEAM	No. of Members 12 Period Jul.1988-Mar.1990(20 months)					
	Total M/M 74.18 Japan 9.52 Field 64.66					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	(1) Detailed Survey of existing physical & socio-economic conditions. (2) Four editions of slides synchronized with					
12. EXPENDITURE	Total 267,007 (¥000) Contracted 246,728					

和名 クマヨラン地区都市・住宅再開発計画

[M/P+F/S]

PROJECT SUMMARY (M/P+F/S)

Compiled Mar.1991
Revised Mar.1996

ASE IDN/S 124/89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT			
1.COUNTRY	Indonesia	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		JABOTABEK Area							
Long-Term and Medium-Term Plan for Telecommunications Network in Jabotabek Area		2.PROJECT COST (US\$1,000)		M/P 1) 29,900 Local Cost	450 Foreign Cost	(Description) - Sept. 1991 OECF Loan Agreement of 'The Junction Network for Expanded Jakarta Multi-Exchange Area' Consulting Service Contract was concluded on Feb. 13, 1992. Tendes evaluation and negotiation has been carried out from Nov.1992 to Mar.1993. Outline of the Project. 1.New facilitation of the optical transmission system and radio transmission system. 2.Increasing of the number of terminals of the optical and radio transmission systems. (FY1993 Overseas Survey) No additional information. (FY1994 Domestic Survey) No additional information. (FY1994 Overseas Survey) Context of F/S was modified and being implemented by OECD loan (Junction Network for Expanded Jakarta Multiexchange Area Jakarta Metropolitan Area). Sep.1995 construction to be completed (FY1995 Domestic Survey) Progress upto Sep., 1995 is estimated 85%, and an arrangement to extend the construction period is now on the way.			
3.SECTOR		(US\$=130Yen)=2,000R F/S 1) 29,912		2) 29,912	1,450				
Communications & B/Telecommunication		3) 28,462							
4.REFERENCE NO.		3.CONTENTS OF MAJOR PROJECT(S)							
5.TYPE OF STUDY		Long-Term Plan The study selected the expansion of junction network for the expanded Jakarta multi-exchange area as the priority project to be implemented from the beginning of Repelita V. Components of the priority project: -Junction Section (17sections including 2 sections for suburbs) -Optical Fibre Cable Transmission System : 15 sections (127.4km) -Radio Transmission System : 2 sections (19km BEK-CL; 14km TAN-CKP)							
6.COUNTERPART AGENCY		The target planning year for the sub-systems: Muldex.....1994 Optical fibre...1999 Radio.....1994 Power.....1999 Imp. Period : 1) shows for the original plan, and 2) shows for the revised plan							
Postal, Perumtel		Imp. Period: 1989. -1992. 1992. -1995.							
7.OBJECTIVES OF STUDY		4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes/No	EIRR1) FIRR1) EIRR2) FIRR2) EIRR3) FIRR3)				
The Long-term and medium-term plan for telecommunications network in JABOTABEK Area.									
8.DATE OF SAW		1988/2							
9.CONSULTANT(S)		Nippon Telecommunication Consulting Co., Ltd.							
10.STUDY TEAM		Conditions and Development Impacts: (1)Transmission systems use optical fibre cables or digital radio. (2)Existing Meralic Cables are replaced with the digitizing switching equipment. Development Impacts: 1) Promotion of Industrial Growth: Direct investments from abroad, particularly those from Japan and NIES, are at present booming in Indonesia, and substantial portion of the investments is directed to the Jabotabek area. Development of telecommunication in this area will serve for acceleration of such industrialization trend, which is a major objective of REPELITA V. 2) Promotion of Regional Development: Development of telecommunications along with that of transport sector can be an effective step to promote the government's regional development policies. In the Jabotabek area, development of the area along an east-west axis is encouraged. Intensive development of telecommunications and transport systems, with Tangerang and Bekasi as its key cities, will greatly contribute to the promotion of				2.MAJOR REASONS FOR PRESENT STATUS			
No.of Members 9 Period Jul.1988-Jul.1989(12 months)								(1) Effectiveness achieved by th fulfillment of the project (2) High priority	
Total M/M 57.71 Japan 23.74 Field 33.97									
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.TECHNICAL TRANSFER				3.PRINCIPAL SOURCE OF INFORMATION			
None		On the job-training was conducted for the counterpart staff of PERUMTEL.							
12.EXPENDITURE		Total 161,105 (¥'000)				①, ②, ③			
		Contracted 159,088							

和名 ジャカルタ首都圏電気通信網整備計画

[M/P+F/S]

PROJECT SUMMARY (F/S)

Compiled Mar.1991
Revised Mar.1996

ASE IDN/S 338/89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Indonesia	1.SITE OR AREA				I.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input checked="" type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2.NAME OF STUDY Cikampek-Cirebon Tollway Project		Route area between Cikampek-Cirebon and surrounding area					
3.SECTOR Transportation/Road		2.PROJECT COST (US\$1,000)		Total Cost	Local Cost	Foreign Cost	
4.REFERENCE NO.				1) 510,000	299,000	211,000	
5.TYPE OF STUDY F/S				2)			
6.COUNTERPART AGENCY Bina Marga Jisa Marga				3)			
7.OBJECTIVES OF STUDY To determine feasibility of constructing tollway		3.CONTENTS OF MAJOR PROJECT(S)				(Description) (FY1993 Overseas Survey) Feb.1991 Request to OECF OECF did not approve to finance it. Aug.1992 IBRD agreed the finance. But the realization has delayed. 1993 Indonesia Highway Corporation conducted D/D for one section between Cirebon-Palimanan by its own budget. Jun.1994 IHC will construct the section. IHC announced the other section to be invested by BOT scheme. It remains the possibility to utilize the IBRD finance to the section. May.1995 Cirebon-Palimanan section will be completed. Jan.1996 The construction Palimanan-Cikampek section will start. Mar.1998 Palimanan-Cikampek section will be completed. Basically, the project scale and components are as same as JICA study. (FY1994 Domestic Survey) Divided into each section, waiting for a consultant to implement it using IBRD fund. (FY1995 Domestic Survey) Jan.,1995 Implementation of D/D has been commenced and it may take 21 months until completion.	
		The tollway has planned as a 4-lane divided highway covering the whole length. Between Cikampek and Cirebon and widened to a 6-lane at inner lanes at the final stage. The construction is to be divided into nine(9) sections taking into consideration operation for hauling, excavation and filling, accessibility to each section, and proper work volume. Package A: Cikampek interchange(I.C.)- Subang I.C. L=36.9km (Section 1-2) Package B: Subang I.C. - Dawuan I.C. L=53.5km (Section3-5) Package C: Dawuan I.C. - East Cirebon L=53.9km (Section 6-9) Construction cost (x 1,000US\$) 1) Initial 4 lanes 435,000 2) Additional 2 lanes 75,000 Total 510,000					
8.DATE OF S/W 1988/3		Imp. Period: 1991. -1997.				2.MAJOR REASONS FOR PRESENT STATUS	
9.CONSULTANT(S) Pacific Consultants International Yachiyo Engineering Co., Ltd. Pasco International Inc.		4.FEASIBILITY AND ITS ASSUMPTIONS Feasibility: Yes		EIRR1) 32.28	FIRR1) 23.80		
10.STUDY TEAM No.of Members 19 Period Sep.1988-Mar.1990(1 months)		Conditions and Development Impacts: Conditions: 1. Expressway standard with full access control as a part of the Trans-Jawa Tollway network. 2. Viable alternative to existing national roads for through traffic from Central and East Java to Jakarta and westwards. 3. Location of interchanges are to be in selected the areas where 1)the population is estimated to be more than 50,000 within the sphere of influence of the interchange, and 2) minimal traffic requirement for the interchange demand to approximate to 3,000 vehicles per day(basic standard employed in Japan). Development Impact: 1) Relieving existing roads for local traffic use and providing easy accessibility to regional development centers. 2) Increasing benefits to road users. 3) Increasing the incentive development impact for the area surrounding interchanges. (i.e. Cikampek, Subang, Cirebon and etc.) In particular, Cirebon is a coastal city with a high potential for development.				3.PRINCIPAL SOURCE OF INFORMATION ①, ②	
Total M/M Japan Field 79.09 14.20 64.89							
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY Topographic mapping work		5.TECHNICAL TRANSFER					
12.EXPENDITURE		The traffic survey and engineering site survey were performed with Indonesian counterparts. A staff of Bina Marga visited Japan for participation in a training program in July 1989.					
Total 395,190 (¥'000)							
Contracted 383,604							

和名 チカンベック・チレボン有料高速道路建設計画

{F/S,D/D}

PROJECT SUMMARY (M/P)

Compiled Mar.1992
Revised Mar.1996

ASE IDN/S 126/90

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS		
1.COUNTRY	Indonesia	1.SITE OR AREA	Selected 10 Airports		1.PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued	
2.NAME OF STUDY	Airport Maintenance and Rehabilitation	2.PROJECT COST	(US\$1,000)	Total Cost Local Cost Foreign Cost	(Description) (FY1993 Overseas Survey) - Somepart of the project has been implemented after the study. - Other implementatn program are scheduled in the fiscal year of 1994/95. - Continuation of the study will be programmed in the next fiscal year using local budget. (FY1994 Domestic Survey) In November 1993, the OECF Loan Agreement was concluded for the partial development of 30 airports, procurement of airport maintenance equipment and air navigation facilities etc. (approx Yen 7 billion.) At first, the Engineering Services for Airports at Palembang and Gorontalo, and the procurement of airport maintenance equipment will be commenced in 1995. (FY1995 Domestic Survey) The agreement regarding to both Palembang and Gorontalo airports was signed on March, 1995 and E/S will be carried out from April to December, 1995. (FY1995 Overseas Survey) No additional information.		
3.SECTOR	Transportation/Air Transportation & Airport		1)	70,000			
4.REFERENCE NO.			2)	27,700			
5.TYPE OF STUDY	M/P	3.CONTENT(S) OF MAJOR PROJECT(S)	Project of maintenance and rehabilitation in 10 airports. 1.Gunung Sitoli: Overlay of runway, taxiway, apron, installation of air conditioning, provision of mower and tractor; 2.Palembang: Overlay of runway, finishing of PAX Bldg., provision of handy mower; 3.Semarang: Expansion of PAX Bldg., provision of mower, tractor, handy mower and sweeper; 4.Pontianak: Extension of runway and PAX Bldg., taxiway overlay, installation of air conditioning, provision of handy mower and sweeper; 5. Sampit: Overlay of runway, installation of air conditioning, provision of mower, tractor, handy mower and dump truck; 6.Ambon: Overlay of runway, taxiway and apron, installation of air conditioning, provision of mower, tractor and handy mower; 7. Ternate: Expansion of PAX Bldg, runway extension, installation of security equipment and air conditioning, provision of mower and handy mower; 8.Mataram: Overlay of apron, installation of security equipment and air conditioning, expansion of runway and apron provision of sweeper; 9.Bima: Extension of runway, provision of dyke, overlay of taxiway and apron, installation of security equipment and air conditioning, provision of mower, tractor and handy mower; 10. Merauke: Overlay of runway, overlay of taxiway and apron, expansion of apron and PAX Bldg., installation of provision of mower, handy mower, sweeper and dump truck.				
6.COUNTERPART AGENCY	Directorate General of Air Communications (DGAC)	4.CONDITIONS AND DEVELOPMENT IMPACTS	Implementation of maintenance and rehabilitation for 10 selected airports will contribute to the following effects: 1.Gunung Sitoli: Safe aircraft operation, improvement of service level promotion of tourism development. 2.Palembang Sitoli: Safe air transportation 3.Semarang: Ditto, removal of factors restraining air traffic demand 4.Pontianak: Ditto, removal of factors restraining air traffic demand 5.Sampit: Ditto 6.Ambon: Ditto 7.Ternate: Ditto, promotion of unrestricted air transport, contribute to reduce regional disparity. 8.Mataram: Ditto, Ditto, Tourism development. 9.Bima: Ditto 10.Merauke: Ditto, Contribute to regional economy				
7.OBJECTIVES OF STUDY	Preparation of master plan for maintenance and rehabilitation for 10 airports selected from 20 etc.	5. TECHNICAL TRANSFER	1.Invitation of Trainee Mr.Iman Soelvan (DGAC) 1990 October 2.Seminar in Indonesia 1991 February				
8.DATE OF SAV	1989/10	12.EXPENDITURE		3.PRINCIPAL SOURCE OF INFORMATION			
9.CONSULTANT(S)	Pacific Consultants International						
10.STUDY TEAM	No.of Members 11 Period Jan.1990-Mar.1991(15 months)			2.MAJOR REASONS FOR PRESENT STATUS			
	<table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">Total M/M</td> <td style="width: 15%;">Japan</td> <td style="width: 15%;">Field</td> </tr> <tr> <td></td> <td style="text-align: center;">31.00</td> <td style="text-align: center;">33.00</td> </tr> </table>	Total M/M	Japan				Field
Total M/M	Japan	Field					
	31.00	33.00					
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	-Topographic Survey -Soil Investigation -Building Survey			As one of the basic policies of the Government of Indonesia, effective utilization of existing facilities and improvement on maintenance work are considered important.			
12.EXPENDITURE	<table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">Total</td> <td style="width: 15%;">270,849 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td style="text-align: center;">249,000</td> </tr> </table>	Total	270,849 (¥'000)			Contracted	249,000
Total	270,849 (¥'000)						
Contracted	249,000						
				①, ②			

PROJECT SUMMARY (M/P+F/S)

Compiled Mar.1992
Revised Mar.1996

ASE IDN/A 201B/90

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Kabupaten Asahan in North Sumatra Province<M/P> Silau-Bunut Area in Kabupaten Asahan, North Sumatra Province<F/S>		
2. NAME OF STUDY	Master Plan Study on Lower Asahan River Basin Development	2. PROJECT COST			
3. SECTOR	Agriculture/(Agriculture in)General	(US\$1,000)	M/P 1) 1,285,000 Local Cost	Foreign Cost	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
4. REFERENCE NO.		(Rupiah)	F/S 1) 8,900	5,600	
5. TYPE OF STUDY	M/P+F/S	3)	3. CONTENTS OF MAJOR PROJECT(S) <M/P> Among study area of 6,000 km ² , the following ten projects are formulated:(i) Silau-Bunut rehabilitation irrigation project (14,300ha) (ii) Padang Mahondang irrigation extension project (6,200ha) (iii) Kanopan left bank drainage improvement project (4,300ha) (iv) Small-scale irrigation package project (7,200ha) (v) Aek Natas irrigation project (4,200ha) (vi) Aek Msetek irrigation project (3,500ha) (vii) Kualuh right bank irrigation project (2,400ha) (viii) Tambun Tulang swamp development project (5,800ha) (ix) Simpang Empat swamp development project (2,800ha) (x) Leldong-Asahan swamp development project (45,600ha) <F/S> 1. Construction of an inter-basin water transfer canal from the Silau to the Bunut 2. Construction of an integrated diversion weir on the Silau 3. Rehabilitation of 3 existing weirs on the Silau 4. 60km rehabilitation and 110km construction of irrigation canal 5. Rehabilitation/New construction of drainage canal of 180km 6. Construction of farm road network (about 350km) 7. Construction of on-farm facilities (about 9,500ha) 8. Construction of flood protection dike (34km)		
6. COUNTERPART AGENCY	Directorate General of Water Resources Development, Ministry of Public Works (DGNRG)	3)			
7. OBJECTIVES OF STUDY	Formulation of agricultural development master plan in line with the flood control projects In-depth study on top priority project selected in the Master Plan Study	8. DATE OF S/W	Imp. Period: 4. FEASIBILITY AND ITS ASSUMPTIONS Feasibility: Yes EIRR1) 13.20 FIRR1) EIRR2) FIRR2) EIRR3) FIRR3)		
8. DATE OF S/W	1984/7	9. CONSULTANT(S)			
9. CONSULTANT(S)	Nippon Koei Co., Ltd. Nikken Consultants., Inc. Yachiyo Engineering Co., Ltd.	10. STUDY TEAM	2. MAJOR REASONS FOR PRESENT STATUS		
10. STUDY TEAM	No. of Members 9 Period Jun.1989-Jun.1990(13 months)	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	1. Geological/soil mechanical survey 2. Topographic survey	12. EXPENDITURE	3. PRINCIPAL SOURCE OF INFORMATION ①, ③		
12. EXPENDITURE	Total 255,621 (¥000) Contracted 171,668	12. EXPENDITURE			

和名 アサハン河下流域開発計画

[M/P+F/S]

PROJECT SUMMARY (M/P+F/S)

Compiled Mar. 1992

Revised Mar. 1996

ASE IDN/S 217B/90

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT				
1. COUNTRY	Indonesia	1. SITE OR AREA	JABOTABEK 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	Integrated Transportation System Improvement by Railway and Feeder Service in Jabotabek Area	2. PROJECT COST	M/P 1) 2) (US\$1,000) US\$1=1758Rp	Local Cost 37,082 254,904	Foreign Cost 17,888 95,906					
3. SECTOR	Transportation/Railway	3. CONTENTS OF MAJOR PROJECT(S)	<p><M/P> Considering the long-term development of the JABOTABEK area, it is necessary to establish an integrated transportation system based on individual improvement plans in the urban railway and road sectors. In this regard, the following recommendations were made toward the organic harmony of the railway and road plans.</p> <p>(1) Select an optimum pattern taking into consideration the reinforcement plans of the railway and roads.</p> <p>(2) Propose a master plan for reinforcement that should be done by the railway side based on the above optimum pattern.</p> <p>(3) Based on (2), projects to be urgently implemented were selected.</p> <p><F/S> deals with the following urgent projects.</p> <p>(1) Improvement of feeder services and facilities of the three stations. (Pasar Senen, Jatinegara, Kemayoran)</p> <ul style="list-style-type: none"> - Separate pedestrians and motor vehicles on roads near station. - Expand roads leading to stations; Establish signals and overpasses. - Set up bus bays in station plazas. <p>An improvement plan was drawn up for the three most important stations selected from 63 stations.</p> <p>(2) Station facilities improvement</p> <ul style="list-style-type: none"> - station building, platform, overbridge, platform shed <p>Station facilities to be improved are closely related to feeder services, therefore it is effective to make the improvements of station facilities simultaneously with the improvements in feeder services.</p> <p>(3) Grade separation of the Eastern Line</p> <ul style="list-style-type: none"> - track elevation, flyover system <p>Imp. Period: 1993. -2005. 1997. -2002.</p>							
4. REFERENCE NO.		4. FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 34.78 EIRR2) 15.22 EIRR3)	FIRR1) 6.33 FIRR2) FIRR3)	(Description)	<p>Improvement of station facilities which is one of items involved in the said F/S has been already or is going to be realized partially through the JABOTABEK Railway Project. Implementation of feeder service improvement recommended in the F/S is required for closed consultation with the other governmental institutions. The project of Track Elevation on EL is not included in the first target of the JABOTABEK Railway Project. Its implementation should be programmed taking into consideration how to operate long distance trains in Jabotabek area in the future as well as how traffic congested along the East Line.</p> <p>(FY1993 Overseas Survey) PHBD is preparing a study, which is composed of following two phases. Phase I : Review and reassessment of previous studies, selection of pilot projects and preliminary design. Phase II: Detailed engineering design supported by preliminary design, cost estimates and bidding documents.</p> <p>(FY1994 Domestic Survey) As for the improvement of platform of respective stations such as Manggarai, Pasarsenen, Jatinegara, Tanahabong, its finance was committed by OECF Loan for the fiscal year of 1991 (JABOTABEK Railway Project). At the moment, the tender is underway with the condition that its implementation is scheduled to be commenced from April, 1995 and completed at the beginning of 1997. As for the way how to materialize this project, it is necessary to continue further studies considering train operation route for long distance train in the Jabotabek area and traffic congestion along the Eastern Line.</p> <p>(FY1995 Domestic Survey) The contract agreement of the improvement of platforms of abovementioned four(4) stations has been signed on March, 1995, and now under the implementation. The plan to construct the subway line between Kota and Block M, which is a part of the new transportation lines connecting Jakarta Kota and Pasar Minggu recommended by this survey work, is also going to be implemented.</p> <p>(FY1995 Overseas Survey) Track Layout Improvement Mar. 1993 - Dec. 1993 D/D Apr. 1995 - Jan. 1997 The construction works is implemented.</p>			
5. TYPE OF STUDY	M/P+F/S	5. TECHNICAL TRANSFER	<p>1) Preparation, explanation, and discussion of the Working Paper.</p> <p>2) Two counterparts received JICA training, and also participated in the overall discussions.</p>							
6. COUNTERPART AGENCY	PHBD, Indonesia	10. STUDY TEAM	<p>Conditions and Development Impacts:</p> <p><M/P> Increase the railway share up to 15% and alleviate train congestion by increasing train frequency through reinforcing the JABOTABEK railway and also by improving feeder service. It is possible to confirm the adequacy of the integrated transportation system as a whole which aims at organic coordination of the railway and roads toward 2005. Drastic service improvement can also be expected by promoting the railway reinforcement plan. Furthermore, increase in passenger traffic can be expected by improving the access of the railway and roads through upgrading feeder services and reinforcing station plazas, transfer facilities, etc.</p> <p><F/S> (1) Develop the passenger convenience and increase the passenger traffic through improving feeder services and facilities of the three stations. (2) Enable to increase the train frequency on the East Line and to deal with the increasing traffic on level crossings. (3) Time saving for travel and freight transportation, time savings at major railway crossings.</p>							
7. OBJECTIVES OF STUDY	M/P for JABOTABEK area up to 2005 F/S for urgent project based on the M/P up to 2005	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	None							
8. DATE OF S/W	1988/2	12. EXPENDITURE	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Total</td> <td style="width: 15%;">342,883 (Y'000)</td> </tr> <tr> <td>Contracted</td> <td>335,000</td> </tr> </table>				Total	342,883 (Y'000)	Contracted	335,000
Total	342,883 (Y'000)									
Contracted	335,000									
9. CONSULTANT(S)	Japan Railway Technical Service Pacific Consultants International	2. MAJOR REASONS FOR PRESENT STATUS	<p>(1) Size of project effect ; (2) Recognition by the Indonesian side of the importance of railway reinforcement ; (3) Large cooperation by the Japanese side (Funds, technical cooperation services) (4) Recommendation from the other sides.</p>							
		3. PRINCIPAL SOURCE OF INFORMATION	①, ②, ④							

和名 ジャボタベック圏統合輸送システム改良計画

[M/P+F/S]

PROJECT SUMMARY (M/P+F/S)

Compiled Mar.1992

Revised Mar.1996

ASE IDN/S 218B/90

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT			
1.COUNTRY	Indonesia	1.SITE OR AREA		Surabaya and its surrounding area (GERBANGKERTOSUSILA) and Jombang		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	Long-Term and Medium-Term Plan for Telecommunications Network in Surabaya and Surrounding Areas	2.PROJECT COST (US\$1,000)	M/P 1) 854,000 Local Cost 2) 27,560	Foreign Cost 3,440	24,120				
3.SECTOR	Communications & B/Telecommunication	3.CONTENTS OF MAJOR PROJECT(S)				(Description) A part of proposed project (some sections of junction network in Surabaya multi-exchange area and some sections of trunk network) is scheduled to be implemented in order to achieve the targets at the end of Repelita V (1994). Oct. 1992 OECF loan agreement signed (2,941 million yen) A consulting contract between P.T. TELKOM (EX-PERUMTEL) and NTC in association with PT. WIDYA DUTA INFORMINDO (LOCAL CONSULTANT) was signed in Mar. 1993. Implementation Schedule 1) Tender (Invitation-Negotiation): beginning of 1994 2) Contract and start of implementation: Mid.1994 3) Completion of construction: Mid. 1995 The request of the assistance by Government of Japan is being prepared to implement the remaining portion of the project. (FY1995 Domestic Survey) Both works of 1st and 2nd stages are implementing simultaneously. On March, 1995, the construction works have been commenced except lines for subscribers. The designing works were completed by the contractor. At present, on September, 1995, equipment and tools are under manufacturing.			
4.REFERENCE NO.		<M/P> Long-term plan (2004) : - Surabaya Multi-Exchange Area 1) Expansion of Surabaya multi-exchange area 2) Provision of Telephone Exchange capacity up to 408000 line unit (Telephone Density: 8.0/100) 3) Establishment of Route Diversity Configuration for Junction Network - Surrounding Area 1) Improvement of Telephone Density in Kabupaten capitals up to 8.0/100 inhabitants 2) Provision of Automatic Telephone Service to all villages (DESA). <F/S> 1. Expansion of Junction Network in Surabaya Multi-exchange Area 1) Fiber-optic transmission system : 13 new sections, expansion of 13 existing sections (140 Mbit/s) 2) Microwave system upgraded : 1 hop (87 bit/s to 34 Mb/s system) 2. Improvement of Trunk Network 1) Installation of new microwave link : 1.5 Ghz 8 Mbit/s system; 5 hops. 2 GHz 34 Mbit/s system; 4 hops 2) Microwave system upgrading : 4 hops (8 Mbit/s to 34 Mbit/s system) 3. Improvement of Rural Area Network 9 base stations, 64 radio subscriber terminals, 1,700 subscribers. Imp. Period : 1) shows for the original plan, and 2) shows for the revised plan.							
5.TYPE OF STUDY	M/P+F/S	Imp. Period: 1992. -1994.		1993. -1996.					
6.COUNTERPART AGENCY	Directorate General Posts and Telecommunications	4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes EIRR1) 14.85 FIRR1) 14.05 EIRR2) FIRR2) EIRR3) FIRR3)					
7.OBJECTIVES OF STUDY	The long-term and medium-term plan for telecommunications network in Surabaya and surrounding areas	Conditions and Development Impacts: <M/P> Telephone supply strategy applied in this Study is based on the supply difference between Jakarta and Surabaya. The supply difference as of the end of Repelita V in telephone density will be kept up to the year 2004 to stop a magnification of the difference. The implementation of the proposed master plan is anticipated to give a variety of impacts on socioeconomy of the study area, especially on the following aspects: -Regional Development -Urban and Industrial areas -Rural areas <F/S>1. The project proposed in this Study is formulated based on the completion of on-going projects on the basis of the scope of work "TELECOM III". 2. The project should be implemented coordinated with telephone exchange digitalization program in the objective area. 3. The implementation of proposed project is anticipated to give a variety of impacts on socioeconomy of the objective area, especially following aspects.							
8.DATE OF SAW	1988/6							10.STUDY TEAM	
9.CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.	Total M/M		Japan				2.MAJOR REASONS FOR PRESENT STATUS	
		60.53		20.34					
		Field		40.18				3.PRINCIPAL SOURCE OF INFORMATION	
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	None.	12.EXPENDITURE		1) OJT was conducted for the counterparts during the field survey. 2) Technology transfer was conducted through local consultants employed. 3) Training was conducted in Japan accepting 2 counterpart as trainees during home study period of the Study Team. 4) Contents of DR/R was		①, ③, ④			
		Total		202,367 (¥'000)					
		Contracted		185,234					

和名 スラバヤ都市圏電気通信網整備計画

[M/P+F/S]

PROJECT SUMMARY (M/P+F/S)

Compiled Mar. 1992
Revised Mar. 1996

ASE IDN/S 219B/90

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	DKI Jakarta 650 sq.km<M/P> Urban Drainage: 38 sq.km Wastewater Disposal: 43 sq.km<F/S>		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	Urban Drainage and Wastewater Disposal Project in the City of Jakarta	2. PROJECT COST (US\$1,000)	M/P 1) 72,000 Local 2) 980,000 Cost Foreign Cost F/S 1) 27,700 2) 240,700 3)	(Description) 1) Urban Drainage The proposed project will be implemented by the Government of Indonesia as supplementary to the existing on-going project. 2) Wastewater Disposal The proposed project will be implemented in two phases because it requires a large cost of US\$ 240.7 million at 1990 price and the long construction period of eight years. The first phase will be completed in 1996. The second phase will be implemented subsequently to complete in 2000. The necessary arrangements for the implementation of the first phase project from 1992 with OECF loan are now being undertaken by the Government of Indonesia. Detailed design of North Central Jakarta Sewerage Area were undertaken from Oct. 1993. The construction of part of the treatment plant at Pluit Pond will be completed within 45 months after the completion of the detailed design. Oct. 1992 OECF loan agreement signed (2,121 million yen) (Waste Water Disposal Project in the city of Jakarta (I)) (FY1994 Domestic Survey) After this study, the urban development plan of Jakarta is being considered, which includes re-development project around the Pluit Pond area. Therefore, review of this study with the alternative study of sewage treatment plant site is now on-going. (FY1995 Domestic Survey) Review for F/S is continuously carrying out.		
3. SECTOR	Public Utilities/Sewerage	3. CONTENTS OF MAJOR PROJECT(S)				
4. REFERENCE NO.		<M/P>(1) Urban Drainage: Canal Improvement: L=76.1km New Channel Construction: L=11.4km Pump Station Installation: 2 stations 8.7 cub.m/s capacity (2) Wastewater Disposal: The Study Area is divided into three areas based on the areal population density as follows: Area A: Simple On-site Treatment System Development Area B: High level On-site Treatment System Development Area C: Sewerage Development The capacity of sewerage treatment system in 2010 is 1252000 cub.m/d and total proposed sewer length is 2223km. <F/S>(1) Urban Drainage: Channel Improvement: L=27.4km Revetment works: L=46km Bridge improvement: 15 places (2) Wastewater Disposal: Sewer lines -Conveyance sewer: dia.1900 - 2900mm L=10.14km -Collection sewer: dia.150 - 1500mm L=538km : Booster pump station /place 63 cub.m/min. : Treatment plant: Aerated lagoon system (Pluit Pond) Q=530000 cub.m/d				
5. TYPE OF STUDY	M/P+F/S				6. COUNTERPART AGENCY	
6. COUNTERPART AGENCY	CIPTA KARYA DKI JAKARTA	7. OBJECTIVES OF STUDY	Prepare a master plan up to 2010 on urban drainage and wastewater disposal in the city of Jakarta Conduct a feasibility for the priority areas selected in the master plan			
8. DATE OF SAV	1988/12	9. CONSULTANT(S)				
9. CONSULTANT(S)	Pacific Consultants International Nippon Koei Co., Ltd.	10. STUDY TEAM	Imp. Period: 1992. -2000. 4. FEASIBILITY AND ITS ASSUMPTIONS Feasibility: Yes EIRR1) 20.00 EIRR1) EIRR2) EIRR2) EIRR3) EIRR3)			
10. STUDY TEAM	No. of Members 13 Period Sep. 1989-Feb. 1991 (17 months)	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	- Topographic Survey - Water Quality Analysis - Existing Sanitary Condition along Rivers	12. EXPENDITURE	Conditions and Development Impacts: <M/P>(1) Urban Drainage: The proposed drainage development plan is formulated in conformity with the other on-going urban drainage project. (2) Wastewater Disposal: The existing population of DKI Jakarta is 9 millions. Areas of high population density with more than 500 persons/ha are located in the central part of DKI Jakarta with no sewerage system. It causes to aggravate the river water quality and the environmental conditions of continuity in the city of Jakarta. Hence, the sewerage development as the most efficient measures is proposed to mitigate it. <F/S>(1) Urban Drainage: The economic efficiency of the proposed project is estimated as follows. NPV: US\$ 11.3 million B/C: 2.15 EIRR: 20.01 (2) Wastewater Disposal: The total pollution load reduction by sewerage development in the Project Area is estimated at 49659kg/d as BOD, which represents a reduction efficiency of 84% with impact to the total pollution load discharge of 59145kg/d in the year 2000. The sewerage development is further expected to contribute the pollution load reduction of 21210kg/d from 24960kg/d to 3750kg/d as BOD in the JSSP Area in the year 2000.			
12. EXPENDITURE	Total 380,130 (¥'000) Contracted 360,592	5. TECHNICAL TRANSFER				
		Counterparts training in Japan was conducted. Technical knowledge was transferred to the Indonesian side by Seminar and internal discussion with JICA Study Team members.			2. MAJOR REASONS FOR PRESENT STATUS	

和名 ジャカルタ都市排水・下水道整備計画

(M/P+F/S)

PROJECT SUMMARY (F/S)

Compiled Mar. 1992
Revised Mar. 1996

ASE IDN/A 312/90

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	14,800ha on the Selagan River in kec. Muko-Muko Utara, Kab. Bangkulu Utara, Bengkulu Province.			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	Air Selagan Irrigation Project	2. PROJECT COST	Total Cost	Local Cost	Foreign Cost		
3. SECTOR	Agriculture/ (Agriculture in) General		1) 37,325	9,842	27,483	(Description) Directorate General of Water Resources Development, Ministry of Public Works, is making preparations to apply for an OECF Loan on detailed design and construction. (FY1994 Domestic Survey) No additional information. (FY1994 Overseas Survey) GOI has requested loan to the World Bank. This project is listed in the Blue Book of 1994. Many parts of the study area has been changed to plantation after the study, therefore, the result of F/S cannot be utilized without re-design in order to implement D/D. (FY1995 Domestic Survey) No additional information.	
4. REFERENCE NO.			2)				
5. TYPE OF STUDY	F/S	3. CONTENTS OF MAJOR PROJECT(S)	3)			(FY1995 Domestic Survey) No additional information.	
6. COUNTERPART AGENCY	Directorate of Irrigation II, Directorate General of Water-Resources Development, Ministry of Public Works.	The Project is mainly for irrigation and drainage to the paddy field 4,200ha and Plantation area, 2,750ha for oil palm and corn in the existing and additional transmigration area and included the following contents. (1) Construction of weir, (2) Construction of irrigation and drainage facilities, (3) Construction of inspection roads and connecting roads, (4) Construction of tertiary networks, (5) Reclamation of new farm lands, (6) Construction of O & M facilities and, (7) Construction of small-scale hydro-power station,					
7. OBJECTIVES OF STUDY	To conduct a feasibility study on the irrigation Project of the Air Selagan area, about 23,000ha.	8. DATE OF SAW	Imp. Period: 1991. -1996.			2. MAJOR REASONS FOR PRESENT STATUS To realize an economic stability of the farmers in the Area to encourage the transmigration scheme and to keep self-sufficiency of rice in national level.	
9. CONSULTANT(S)	Japan Irrigation and Reclamation Consultants Co, Nippon Koei Co., Ltd.	4. FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 12.70	FIRR1)		
10. STUDY TEAM	No. of Members 10 Period Aug. 1989-Nov. 1990 (15 months)	Conditions and Development Impacts: The Project is not only for irrigation and drainage for paddy cultivation and oil palm and corn plantation in the transmigration area, but also for small scale hydro-power generation, flood protection work, domestic water supply, etc. Therefore, it is especially necessary to pay the attention to the followings. (1) It is expected that additional transmigration is implemented on schedule (2) Coordination among authorities concerned and among related projects around the site. It is strongly expected that the Project is urgently implemented for the emergent transmigrants from Kedung Onbo in the Central Java especially. To promote agricultural development in the study area situated in the agricultural region (northern part of the Province) contemplated by the Provincial Government is not only to contribute the economic stabilization of the transmigrants and local people in the study area, but also to imply the realization of a strong impact of the agricultural development to the region in the neighborhood.				3. PRINCIPAL SOURCE OF INFORMATION ①, ③	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Survey, Geological Investigation, Soil Mechanical Tests, Installation of Hydroclimatological Observation Equipments and	5. TECHNICAL TRANSFER	Provision of transfer of technology to Indonesian counterpart personnel in the course of the Study.				
12. EXPENDITURE	Total 148,867 (¥000) Contracted 143,474						

PROJECT SUMMARY (F/S)

Compiled Mar. 1992
Revised Mar. 1996

ASE IDN/S 340/90

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT																						
1. COUNTRY	Indonesia	1. SITE OR AREA				1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input checked="" type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Discontinued or Cancelled																					
2. NAME OF STUDY	Maintenance Dredging in the Access Channel of Banjarmasin Port	2. PROJECT COST (US\$1,000)		Total Cost	Local Cost			Foreign Cost																				
3. SECTOR	Transportation/Port			1) 51,100	14,100	37,000																						
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)				(Description) No action has been taken toward implementation. (FY1994 Domestic Survey)(FY1995 Domestic Survey) No additional information.																						
5. TYPE OF STUDY	F/S	First-stage Plan aiming the year 1995 Comprehensive Plan aiming the year 2000 Siltation counter measures: Both sides of the access channel Length: 11km (7km First-stage) Effective planning and management of maintenance dredging. Arrangement of navigational aids and procurement of pilot boat.																										
6. COUNTERPART AGENCY	Directorate General of Sea Communication																											
7. OBJECTIVES OF STUDY	Development of siltation counter measures in the access channel and effective planning and management of maintenance dredging																											
8. DATE OF S/W	1987/11	Imp. Period: 1993. -2000.																										
9. CONSULTANT(S)	Overseas Coastal Area Development Institute Nippon Tetrapod Co., Ltd.	4. FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes/No	EIRR1) 13.20 EIRR2) EIRR3)	FIRR1) 5.00 FIRR2) FIRR3)																							
10. STUDY TEAM	No. of Members 13 Period Mar. 1988-Mar. 1991 (37 months)	Conditions and Development Impacts: (First-stage) <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;"></td> <td style="width: 35%; text-align: center;">Without Case</td> <td style="width: 35%; text-align: center;">With Case</td> </tr> <tr> <td>Channel Size :</td> <td style="text-align: center;">Depth/6m, Width/100m</td> <td style="text-align: center;">Depth/6m, Width/100m</td> </tr> <tr> <td>Annual Maintenance :</td> <td style="text-align: center;">5.1 million c.m</td> <td style="text-align: center;">3.5 million c.m</td> </tr> <tr> <td>Dredging Volume</td> <td colspan="2"></td> </tr> <tr> <td>Unit Cost</td> <td colspan="2"></td> </tr> <tr> <td>- Economic Price :</td> <td style="text-align: center;">1.9 US\$/c.m</td> <td style="text-align: center;">1.9 US\$/c.m</td> </tr> <tr> <td>- Nominal Price :</td> <td style="text-align: center;">0.7 US\$/c.m - 1.9 US\$/c.m (1995 - 2025)</td> <td style="text-align: center;">0.7 US\$/c.m - 1.9 US\$/c.m (1996 - 2025)</td> </tr> </table>							Without Case	With Case	Channel Size :	Depth/6m, Width/100m	Depth/6m, Width/100m	Annual Maintenance :	5.1 million c.m	3.5 million c.m	Dredging Volume			Unit Cost			- Economic Price :	1.9 US\$/c.m	1.9 US\$/c.m	- Nominal Price :	0.7 US\$/c.m - 1.9 US\$/c.m (1995 - 2025)	0.7 US\$/c.m - 1.9 US\$/c.m (1996 - 2025)
	Without Case	With Case																										
Channel Size :	Depth/6m, Width/100m	Depth/6m, Width/100m																										
Annual Maintenance :	5.1 million c.m	3.5 million c.m																										
Dredging Volume																												
Unit Cost																												
- Economic Price :	1.9 US\$/c.m	1.9 US\$/c.m																										
- Nominal Price :	0.7 US\$/c.m - 1.9 US\$/c.m (1995 - 2025)	0.7 US\$/c.m - 1.9 US\$/c.m (1996 - 2025)																										
	Total M/M Japan Field																											
	159.69 84.45 75.25																											
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Geodeta Berlian Center p.t.	5. TECHNICAL TRANSFER																										
12. EXPENDITURE	855,401 (¥'000)	1. Seminars in Indonesia: Large Scale Seminar (Once), Small Scale Seminar (Three times), Training for the Survey Equipment (Two times) 2. Counterpart Training in Japan: No. of counterparts: 2 persons, Period: 11/1989-12/1989																										
	Total	3. PRINCIPAL SOURCE OF INFORMATION																										
	Contracted	①																										

和名 バンジャルマシンの港航路維持・浚渫計画

PROJECT SUMMARY (F/S)

Compiled Mar.1993
Revised Mar.1996

ASE IDN/A 313/91

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT		
1. COUNTRY	Indonesia	1. SITE OR AREA	Kabupaten Nias, North Sumatra province, 4,000 km ² , 560,000 persons in 1989			1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Discontinued or Cancelled	
2. NAME OF STUDY	Nias Island Irrigation and Agricultural Development Project	2. PROJECT COST (US\$1,000)		Total Cost	Local Cost			Foreign Cost
3. SECTOR	Agriculture/(Agriculture in)General		1)	36,015	21,086	14,928		
4. REFERENCE NO.			2)					
5. TYPE OF STUDY	F/S		3)					
6. COUNTERPART AGENCY	Ministry of Public Works, Directorate General of Water Resources Development (DGWRD)	3. CONTENTS OF MAJOR PROJECT(S)	Feasibility study on Mezawa/How irrigation project has been executed. (1) Diversion Weirs: 4nos. (2) Primary irrigation canal and secondary canals: 101km (3) Drainage canals: 62km (4) Road Net Work: 131km (5) On-farm development: 5,100ha (6) Land reclamation: 2,640ha (7) Irrigation Agricultural Coordination Center				(Description) After the completion of the F/S, no decision has been taken toward the project implementation. (FY1994 Domestic Survey) The Indonesian Government is planned to promote the Detailed Design of the project under JICA's grant aid. But priority of the project seems to be relatively low among many candidates of irrigation projects. (FY1994 Overseas Survey) GOI has requested to the World Bank. This project is listed in the Blue Book of 1994. (FY1995 Domestic Survey) By the request from DGWRD of the Indonesian Government, the World Bank has reviewed the projects which completed the implementation of JICA's development survey; however, the World Bank did not show any interest to finance for these projects, including this case. Japanese side will investigate the effective frame of this project in order to materialize the official request for financial cooperation by means of the survey works to support the conformation of financial cooperation projects under the control of International Cooperation Department of the Ministry of Agriculture, Forestry and Fisheries on the fiscal year of 1995.	
7. OBJECTIVES OF STUDY	To evaluate the feasibility of the irrigated agricultural development project in the Nias island, in the framework of the Nias island integrated development program.		Implementation period is 5 years.					
8. DATE OF SAW	1989/11	4. FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 10.20 EIRR2) EIRR3)	HIRR1) HIRR2) HIRR3)			
9. CONSULTANT(S)	Nippon Koei Co., Ltd. Pacific Consultants International	Conditions and Development Impacts: Assumption (1) project life = 50 year (2) all prices are expressed in constant prices in late 1990 (3) exchange rate: US\$1 = Rp1,850 (4) transfer payment are exchanged from the project cost (5) economic price of traded goods is estimated based on IBRD projections of world market prices for 1995 Effects (1) incremental paddy production is estimated at 47,000 tons						
10. STUDY TEAM	No. of Members 11 Period Aug.1990-Aug.1991(13 months)					2. MAJOR REASONS FOR PRESENT STATUS		
	Total M/M Japan Field 52.37 19.50 32.87							
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	1. geological survey 2. topographic survey 3. environmental assessment survey							
12. EXPENDITURE	Total 250,058 (¥000) Contracted 184,658	5. TECHNICAL TRANSFER	OJT for Indonesian counterpart personnel has been carried out through the field survey.				3. PRINCIPAL SOURCE OF INFORMATION	
						①, ③		

PROJECT SUMMARY (F/S)

Compiled Mar.1993

Revised Mar.1996

ASE IDN/S 341/91

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT									
1. COUNTRY	Indonesia	1. SITE OR AREA	Area between Surabaya-Mojokerto corridor and surrounding area			1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Discontinued or Cancelled								
2. NAME OF STUDY Surabaya - Mojokerto Toll Road Project		2. PROJECT COST		Total Cost	Local Cost			Foreign Cost							
				1) 199,370	96,370	103,000									
				2)											
				3)											
3. SECTOR Transportation/Road		3. CONTENTS OF MAJOR PROJECT(S)				(Description) Bina Marga intends to implement the project by the BOT (Build, Operate and Transfer) method. (FY1993 Overseas Survey) Investors are to prepare D/D and financial source. Investor has been undecided. (FY1994 Domestic Survey) Under negotiation between the Indonesian government and a private investor who submitted a proposal of BOT formula. (FY1995 Domestic Survey) No additional information.									
4. REFERENCE NO.		The Surabaya - Mojokerto Toll Road will constitute a part of the future Trans Java Tollway System. The start point of the Project is Surabaya Junction which connects the Project Toll Road with the existing Surabaya - Gempol Toll Road, and the end point is Mojokerto Interchange, connection with the existing Mojokerto Bypass, located about 3km southeast of Mojokerto City. (1) Length of Project Toll Road: 38.32km, including 4.06km of bridge/viaduct sections (2) Number of Lanes: 4 lanes in initial stage and 6 lanes in ultimate stage (3) Bridge/viaduct sections will be constructed with full 6 lanes in the initial stage (4) Design Speed: 120km/hr (100km/hr for Surabaya side stretch as an urban toll road) (5) Width: Lane width=3.6m, Median width=5.5m, Outer shoulder width=3.0m, Inner shoulder width=1.5m (6) Major Bridges: Porong River Bridge (length 145m) and Surabaya River Bridge (length 140m). Both bridges are 3-span continuous PC box girder bridges with caisson foundation. (7) Number of Interchanges: 5 interchanges including those at start and end points. (8) Toll Levy System: Distance-proportional system (flat traffic toll levy system for the section between Surabaya JC and Surabaya Inner Ring Road) (9) Pavement Structure: Asphalt concrete, total pavement thickness = 67cm (10) Initial Investment Cost: 391,57511.Rp. (construction cost shares 263,194mil.Rp.)													
5. TYPE OF STUDY								F/S							
6. COUNTERPART AGENCY								Bina Marga Jasa Marga							
7. OBJECTIVES OF STUDY								To examine feasibility of constructing/operating toll road							
8. DATE OF S/W								1989/11							
9. CONSULTANT(S)								Nippon Koei Co., Ltd. Pasco International Inc.							
10. STUDY TEAM								No. of Members 14 Period Aug. 1990 - Oct. 1991 (15 months)							
								<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center;">Total M/M</td> <td style="width: 33%; text-align: center;">Japan</td> <td style="width: 33%; text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">45.96</td> <td style="text-align: center;">12.40</td> <td style="text-align: center;">33.56</td> </tr> </table>		Total M/M	Japan	Field	45.96	12.40	33.56
Total M/M	Japan							Field							
45.96	12.40	33.56													
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		Topographic Mapping Work, Traffic Survey, and Geologic Survey													
12. EXPENDITURE		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Total</td> <td style="width: 33%;">271,228 (¥'000)</td> <td style="width: 33%;"></td> </tr> <tr> <td>Contracted</td> <td>262,807</td> <td></td> </tr> </table>		Total	271,228 (¥'000)		Contracted	262,807							
Total	271,228 (¥'000)														
Contracted	262,807														
		4. FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 28.00	EIRR2) 22.00									
					EIRR3)	EIRR3)									
		Conditions and Development Impacts: (1) Economic Project Analysis : The direct economic benefits accrued from the implementation of the Project is the savings in travel cost composed of vehicle operating cost and vehicle time cost. The conditions and results of economic analysis are summarized below: Conditions Base year : 1991 Project life : 25 years after the completion of the Project Toll Road Price : 1991 constant price Discount rate: 15 % Results: EIRR = 27.9%, NPV = 457,541 mil. Rp., B/C = 2.68 In addition to the direct benefits, enormous indirect benefits towards regional development (in surrounding areas of interchanges in particular) are expected. Therefore, it is recommended to implement the Project at the earliest opportunity. (2) Financial Project Analysis : The FIRR based on the current price basis are estimated at 22.0 % for ROI and 22.4-26.9 % for ROE varying according to the interest rates of loan. They are similar to the prevailing level of interest rates on deposit in commercial banks in Indonesia, and the Project is not very optimistic. Such measures as introduction of loans with lower interest rate and increase of toll level should be considered to improve the financial viability.													
		5. TECHNICAL TRANSFER				2. MAJOR REASONS FOR PRESENT STATUS									
		- The engineering site survey was made together with counterparts. - A staff of Bina Marga visited Japan for participation of training program during Aug.-Oct.1990. - One-day-seminar was executed in Jakarta (Aug.28,1991)				3. PRINCIPAL SOURCE OF INFORMATION									
						①, ②									

PROJECT SUMMARY (M/P)

Compiled Mar. 1994

Revised Mar. 1996

ASE IDN/S 606/92

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS																																
1. COUNTRY	Indonesia	1. SITE OR AREA	Whole territory of the Rep. of Indonesia			I. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued																														
2. NAME OF STUDY	Telecommunications Network Development Plan for Repelita-VI	2. PROJECT COST	(US\$1,000)	Total Cost	Local Cost	Foreign Cost	(Description) (FY1993 Overseas Survey) No information for available. (FY1994 Domestic Survey) No additional information. (FY1994 Overseas Survey) In REPELITA VI, the area of Indonesia will be divided into seven areas. (Five areas for private companies (KSO (joint operation scheme)), two for PT. Telkom). This study was used for making of this policy as well as ADB M/P. Used as a reference of tender documents for the proposal of KSO for the planning of OECF project (Extension & Improvement of Telecommunications Network in Expanded Jakarta Area). This OECF project is under construction. Nov. 1993 OECF L/A signed (Extension & Improvement of Telecommunications Network in Expanded Jakarta Area: 3,590 mYen as the stage I) 1997 Construction to be completed (FY1995 Domestic Survey) Oct. 1994 OECF L/A signed (Extension and Improvement of Telecommunications Network in Expanded Jakarta Area: 13,770 mYen as the stage II) Sep. 1995 Designing works has been completed, Tender invitation is being carried out. 1998 Construction to be completed (stage I, II will be done simultaneously.).																														
3. SECTOR	Communications & B/Telecommunication		1)	7,611.310																																	
4. REFERENCE NO.			2)																																		
5. TYPE OF STUDY	M/P	3. CONTENTS OF MAJOR PROJECT(S)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">PJ Packages</th> <th style="text-align: center;">No. of Packages</th> <th style="text-align: center;">PJ Cost (Mil. US\$)</th> </tr> </thead> <tbody> <tr> <td>Area Project Packages (Including 2 Junction PJs)</td> <td style="text-align: center;">53</td> <td style="text-align: center;">3,956.52</td> </tr> <tr> <td>Backbone Transmission PJs</td> <td style="text-align: center;">19</td> <td style="text-align: center;">1,248.73</td> </tr> <tr> <td>1.5 Mlu Area PJs (JKT, SBY, BDN)</td> <td style="text-align: center;">3</td> <td style="text-align: center;">1,093.5</td> </tr> <tr> <td>Mobile Telephone PJs</td> <td style="text-align: center;">4</td> <td style="text-align: center;">625.27</td> </tr> <tr> <td>Radio Paging PJs</td> <td style="text-align: center;">4</td> <td style="text-align: center;">180.3</td> </tr> <tr> <td>OSM PJs</td> <td style="text-align: center;">2</td> <td style="text-align: center;">10.89</td> </tr> <tr> <td>* (Coin Telephone PJs)</td> <td style="text-align: center;">1</td> <td style="text-align: center;">170.0 1)</td> </tr> <tr> <td>PJ Management/ Engineering</td> <td style="text-align: center;">1</td> <td></td> </tr> <tr> <td style="text-align: right;">Total</td> <td style="text-align: center;">87</td> <td style="text-align: center;">7,611.31</td> </tr> </tbody> </table>					PJ Packages	No. of Packages	PJ Cost (Mil. US\$)	Area Project Packages (Including 2 Junction PJs)	53	3,956.52	Backbone Transmission PJs	19	1,248.73	1.5 Mlu Area PJs (JKT, SBY, BDN)	3	1,093.5	Mobile Telephone PJs	4	625.27	Radio Paging PJs	4	180.3	OSM PJs	2	10.89	* (Coin Telephone PJs)	1	170.0 1)	PJ Management/ Engineering	1		Total	87	7,611.31
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Total	87	7,611.31																																			
6. COUNTERPART AGENCY	Directorate General, Posts and Telecommunications, PT. TELKOM	1) Excluding FM. Total Amount already included in PJ cost of "area PJ packages".																																			
7. OBJECTIVES OF STUDY	To Formulate a telecommunications network development plan for Repelita-VI according to the telecommunications long-term development policy	4. CONDITIONS AND DEVELOPMENT IMPACTS																																			
8. DATE OF SAW	1991/12	This development plan is one of the final Repelita in the second long-term national economic development phase for national economy's taking off and has following final goals; 1) New installation of 3.5 MLU to achieve the telephone density commensurate with the economic level of Indonesia at the end of Repelita-VI, 2) Additional installation of 1.5 MLU to accelerate the National Economic Development. Following basic conditions for the project implementation program. Proposed projects are classified into two categories. -1. Area project packages covering specific areas. -2. Backbone transmission project packages. (Especially, for-1, project package is to be composed of all the network components.)																																			
9. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.					2. MAJOR REASONS FOR PRESENT STATUS																															
10. STUDY TEAM	No. of Members 14 Period Mar. 1992-Jan. 1993 (10 months)																																				
	<table border="1" 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;">73.42</td> <td style="text-align: center;">17.22</td> <td style="text-align: center;">56.20</td> </tr> </tbody> </table>	Total M/M	Japan	Field	73.42	17.22	56.20																														
Total M/M	Japan	Field																																			
73.42	17.22	56.20																																			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER				3. PRINCIPAL SOURCE OF INFORMATION																															
12. EXPENDITURE		1) OJT and technology transfer 2) Trainee was accepted twice in Japan at the time of making DF Report. (Counterpart)				①, ②, ③																															
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="text-align: left;">Total</td> <td style="text-align: right;">263,080 (¥'000)</td> </tr> <tr> <td style="text-align: left;">Contracted</td> <td style="text-align: right;">248,653</td> </tr> </tbody> </table>	Total	263,080 (¥'000)	Contracted	248,653																																
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PROJECT SUMMARY (M/P)

Compiled Apr.1993

Revised Mar.1996

ASE IDN/S 127/92

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS														
1. COUNTRY	Indonesia	1. SITE OR AREA	Four provinces of the southern part of Sumatra (Jambi, South Sumatra, Bengkulu and Lampung)			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 Regional Development Plan for the Southern Part of Sumatra	2. PROJECT COST				<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">(US\$1,000)</td> <td style="text-align: center;">Total Cost</td> <td style="text-align: center;">Local Cost</td> <td style="text-align: center;">Foreign Cost</td> </tr> <tr> <td></td> <td style="text-align: center;">1) 10,000,000</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">2)</td> <td></td> <td></td> </tr> </table>			(US\$1,000)	Total Cost	Local Cost	Foreign Cost		1) 10,000,000				2)	
(US\$1,000)	Total Cost	Local Cost	Foreign Cost																
	1) 10,000,000																		
	2)																		
3. SECTOR	Development Plan/Integrated Regional Development Plan	3. CONTENTS OF MAJOR PROJECT(S)	To facilitate the region's development, this study has adopted the IDEP (Integrated Development Program) approach to supplement the conventional sectoral approach. The proposed plan is, on the one hand, sectorally organized with ten sectors (agriculture, fisheries, industry, etc.) and, on the other spatially focusing on six selected priority areas for which an IDEP, multisectoral 20-year program has been prepared each. Average cost per IDEP is about US\$ 850 million. Among 351 projects in the long lists, a total of 23 prefeasibility studies (on -farm land development project for agriculture, development of industrial estates for industry, etc.) were conducted for 29 high priority projects, 25 of which were IDEP components.																
4. REFERENCE NO.		4. CONDITIONS AND DEVELOPMENT IMPACTS	(1) The macroeconomic framework for the plan during 1990-2010: 1) 7.8% for the region's average annual growth rate of GDP without oil and gas (6.0% for the nation); 2) 2.42% for the region's average annual growth rate of population (1.32% for the nation); 3) US\$ 67 billion for total investment required. (2) As a result, the region will catch up with the nation in the 20 years in terms of GDP per capita. In parallel with this, the four objectives will be attained, 1) Integrate itself into the Java-Sumatra axis 2) Increase value added and create employment 3) Reduce disparities within the region 4) Establish environmental management systems																
5. TYPE OF STUDY	M/P	8. DATE OF SAV	1990/11			2. MAJOR REASONS FOR PRESENT STATUS (1) Enthusiasm among Indonesian officials (2) Timely proposal of the IDEP approach as a protective countermeasure to the sectoral approach (3) Team's effort to facilitate policy dialogue													
6. COUNTERPART AGENCY	Directions General of Human Settlements, Ministry of Public Works	9. CONSULTANT(S)	International Development Center of Japan Nippon Koei Co., Ltd.																
7. OBJECTIVES OF STUDY	Formulation of a 20-year long-term develop plan (1990-2010) and identification of priority areas and projects	10. STUDY TEAM	No. of Members 17 Period Mar.1991-Mar.1993 (25 months)			3. PRINCIPAL SOURCE OF INFORMATION ①, ②, ③													
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Socio-cultural research	12. EXPENDITURE	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Total</td> <td style="text-align: center;">458,365 (¥'000)</td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">449,657</td> </tr> </table>					Total	458,365 (¥'000)	Contracted	449,657								
Total	458,365 (¥'000)																		
Contracted	449,657																		
		5. TECHNICAL TRANSFER	(1) Five workshops held to discuss each report (2) Counterpart training for four staff members																

PROJECT SUMMARY (M/P+F/S)

Compiled Mar.1994
Revised Mar.1996

ASE IDN/S 222B/92

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	1. Ambon-Seram 2. Blak-Yapen-Irian Jaya 3. Flores-Alor 4. Sulawesi-Kabaena 5. Kabaena-Muna 6. Sulawesi-Waweni 7. Harmahera-Morotai 8. South Sulawesi-Southeast Sulawesi 9. Sumatra-Bangka-Belitung			1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	The Development of the Nationwide Ferry Service Routes	2. PROJECT COST (US\$1,000)	M/P 1) 109,000 2) Cost	Local Cost	Foreign Cost	(Description) Compared with development of F/S ferry routes and extension of Meraku - Bakauni route, the latter was given priority. After development of Merak - Bakauni route, these F/S ferry routes will be developed. (FY1993 Overseas Survey) - The counterpart has not conducted D/D yet. - The project has been incorporated into REPELITA VI. - The counterpart requested OECF loan. (FY1994 Domestic Survey)(FY1995 Domestic Survey) No additional information. (FY1995 Overseas Survey) The government of Indonesia has been requesting OECF loan of No.8 and No.9 route projects since 1993. probably it will be approved this year.	
3. SECTOR	Transportation/Port		F/S 1) 109,178 2) 35,779 3)	19,052	16,727		
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)	<M/P> 1. Existing routes (3 routes) The construction of a ferry terminal at a new site is proposed. (No. 9 route) 2. New routes (6 routes) Appropriate terminal sites in each ferry route have been selected taking account of oceanographic conditions, topographic conditions and so on. <F/S> 4 Priority routes were selected as follows: Mokmer - Saubeba (No. 2) Terong - Lewoleba (No. 3) Bajoe - Kolaka (No. 8) Palembang - MUNTOK (No. 9) 1. Construction of breakwater: Mokmer, Saubeba, Muntok 2. Reclamation work for passenger terminal and parking lots: Bajoe, Kolaka 3. Dredging: Mokmer, Bajoe				
5. TYPE OF STUDY	M/P+F/S	6. COUNTERPART AGENCY					
7. OBJECTIVES OF STUDY	To conduct a master plan study on the nationwide ferry service routes.	8. DATE OF SAW	1991/3				
9. CONSULTANT(S)	Overseas Coastal Area Development Institute Pacific Consultants International	9. CONSULTANT(S)					
10. STUDY TEAM	No. of Members 11 Period Jan.1992-Mar.1993(15 months)	10. STUDY TEAM	Imp. Period: 1995. -1997.				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Soil material survey and sounding were subcontracted in Indonesia.	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	4. FEASIBILITY AND ITS ASSUMPTIONS Feasibility: Yes/No EIRRI) 12.30 FIRR1) 3.83 EIRR2) 2.60 FIRR2) 3.85 EIRR3) 16.00 FIRR3) 3.91			2. MAJOR REASONS FOR PRESENT STATUS	
12. EXPENDITURE	Total 306,390 (¥'000) Contracted 300,769	12. EXPENDITURE	Conditions and Development Impacts: <M/P> The development of ferry transportation in eastern Indonesia has been playing a role in rectifying the unbalanced living standard between the eastern part and the western part of Indonesia. <F/S> <Conditions> EIRR/FIRR 1)is about Mokmer - Saubeba 2)is about Terong - Lewoleba 3)is about Bajoe - Kolaka 4)is about Palembang - Muntok <Impacts> 1. To develop the trunk ferry network 2. To rectify the unbalanced living standard between the eastern part and the western part of Indonesia.			3. PRINCIPAL SOURCE OF INFORMATION ①, ②	

PROJECT SUMMARY (M/P+F/S)

Compiled Mar.1994

Revised Mar.1996

ASE IDN/S 221B/92

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT						
1.COUNTRY	Indonesia	1.SITE OR AREA	Kayuagung - Menggala Section (Road Length: 180km)			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	Development of Coastal Roads in East Coast of Sumatra	2.PROJECT COST (US\$1,000)	M/P 1) 2) F/S 1) 2) 3)	Local Cost	Foreign Cost	(Description) <M/P> The Government confirms as the important project as for the selected result of priority section. The project is high priority in road improvement projects in Indonesia. The Directorate of planning is to apply to Badan Perencanaan pembangunan Nasional(BAPPENAS). <F/S> This section is the first priority in this project among the entire road projects in Indonesia. The government is possible to connect the found under OECF loan. (FY1994 Domestic Survey) The situation is same as the above. (FY1995 Domestic Survey) These sections of this project are given higher priority by M/P carried out by OECF as a part of 'Heavy Loaded Road Improvement Project' which had been commenced on May, 1992. Accordingly, this project will be implemented as for a part of the improvement project of the national highway in whole country.						
3.SECTOR	Transportation/Road	3.CONTENTS OF MAJOR PROJECT(S)	<M/P> The basic policy of a master plan (year:2010) -The road will connect main city with the other cities in the Region. -The road development will mainly consist of improvement of existing roads. -Where the existing roads have roundabout route bypass routes will be newly constructed. The following three road section have been selected as the priority section (design year is1997). Section 4: Rengat-Jambi Road Length 255 Km Section 6: Palembang-Menggala Road Length 183 Km Section 7: Menggala-Bakauhuni Road Length 189 Km <F/S> 1) Road rehabilitation Works - Total Length: 183km - Number of Lanes: Before 1-lane, 4.5m width and Width, After 2-lane, 2x3.5=7.0m - Shoulder Width: Before 1.0m, After 2.0m - Pavement: Asphalt Pavement: Existing paved road with overlay pavement. Widened road sections and road sections with improved horizontal and vertical alignment with new pavement. 2) Bridge Replacement Works: Tulang Bawang, Pedada Bridge									
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes/No	EIRR1) 18.20 EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)			2.MAJOR REASONS FOR PRESENT STATUS (-> continued) in the East Coastal Road,the construction of new road link would contribute to the following effects: -greatly shorten the distance because of the existing detours. - link Lampung province to South Sumatra province so as to contribut to both regions. Habitat of the elephants and monkeys was investigated in the area, therefore the detailed investigation shall be required to preserve them at the detailed design stage.				
5.TYPE OF STUDY	M/P+F/S	10.STUDY TEAM	Conditions and Development Impacts: <M/P>Sumatra East Coast Highway Project is expected to perform the following important roles: - Together with the existing Trans Sumatra Highway it will form the trunk road network on the Island of Sumatra. -It will contribute to the development of road traffic on the east coast where road construction programmes have not been will developed. -The East Coast Highway is expected to inter-connect the major core cities (Palembang,Jambi, Pekan Baru etc.)on the east coast area. -The highway will back-up the SIJORI Development Programme. In summary, construction of the East Coast Highway will greatly contribute to the regional development, enhance the neighboring areas, and facilitie transportation to and from the island of Java. <F/S>Since this section has been less developed in terms of the road condition and road network (see the right side.->)									
6.COUNTERPART AGENCY	Directorate of Planning, Directorate General of highways, Ministry of Public Works	11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	5.TECHNICAL TRANSFER The technical transfer was conducted through the working in Indonesia and technical training in Japan.							3.PRINCIPAL SOURCE OF INFORMATION ①		
7.OBJECTIVES OF STUDY	- The study are to prepare a basic plan for a regional trunk road network which will inter connect the principal on east coast of Sumatra(design year2010) - preparation of a feasibility study for the road section of	12.EXPENDITURE	Total 180,521 (¥'000) Contracted 169,585									
8.DATE OF SAV	1991/3	Imp. Period: 1994. -1996.										
9.CONSULTANT(S)	Pacific Consultants International											

PROJECT SUMMARY (F/S)

Compiled Mar.1994
Revised Mar.1996

ASE IDN/A 315/92

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Indonesia	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 Rokan River Basin Overall Irrigation Development Plan		Northern part of Riau Province (16,059 km ²)					
3.SECTOR Agriculture/(Agriculture in)General		2.PROJECT COST (US\$1,000)		Total Cost	Local Cost	Foreign Cost	
4.REFERENCE NO.				1) 62,200	25,400	36,800	
5.TYPE OF STUDY		F/S					
6.COUNTERPART AGENCY Directorate General of Water Resources Development, Ministry of Public Works		3.CONTENTS OF MAJOR PROJECT(S) The Lower Rokan Kiri Irrigation Project is selected as a priority project of the Rokan River Basin Overall Irrigation Development Plan Study. The project of which net irrigable is 8,300ha in the total project area of 12,200ha consists of				(Description) The detailed Design (D/D) by OECF loan is under studying by DOI-II, DGNRD, PU. (FY1994 Domestic Survey) No additional information. (FY1994 Overseas Survey) GOI has requested OECF loan, but it is not progressed after that. This project is listed in the Blue Book of 1993. The area of the project is for the transmigrant area. According to interviews, land use in this district has been changing from rice-cropping to plantation. (FY1995 Domestic Survey) No additional information.	
7.OBJECTIVES OF STUDY - To formulate a basic development plan, mainly for irrigation development, in the Rokan river basin taking the total availability of water resources into account. - To select a priority project for irrigation development, and - To carry out a feasibility study for the		(1) Construction of diversion weir (2) Constructio of irrigation & drainage canals (3) Land development for additional farm land (4) Construction of Tertiary system (5) Construction of inspection road & O&M facilities					
8.DATE OF SAV		1990/10		Imp. Period: 1994. -2001.			
9.CONSULTANT(S) Japan Irrigation and Reclamation Consultants Co, Chuo Kaihatsu Cor.		4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 12.00	FIRR1)	
10.STUDY TEAM				EIRR2)	FIRR2)		
No.of Members 12				EIRR3)	FIRR3)		
Period Jan.1991-Aug.1992(20 months)				Conditions and Development Impacts: As the objective area is blessed with natural resources it is necessary to plan a well-harmonized development and this irrigation Scheme is one of key projects in the area. In order to promote this project the following are essential. (1) To proceed additional Transmigration in the area (2) To promote close coordination with other agencies [Development Impact] (1) To stabilize livelihood of the transmigrants who have already settled and former occupant local people by introducing irrigation & drainage System (2) To contribute increase of rice productivity and to attain self-sufficiency of rice in the Province (3) To process protection of natural environment by promoting Well-harmonized development.			
Total M/M		Japan		Field		2.MAJOR REASONS FOR PRESENT STATUS The project has close connection with the Batang Kumu Irrigation Project which located in the upstream of the basin. F/S of this project was carried out by JICA in 1989 and D/D is under promoting by DGNRD by introducing OECF loan.	
58.06		23.59		34.47			
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY Topographical map survey, river survey, geophysical survey, soil analysis, environmental Survey and interview survey		5. TECHNICAL TRANSFER				3.PRINCIPAL SOURCE OF INFORMATION ①, ③	
12.EXPENDITURE		Provision of transfer of technology to Indonesia counterpart personnel in the course of the study. OJT Trailing in Japan					
Total		335,961 (¥'000)					
Contracted		212,400					

PROJECT SUMMARY (F/S)

Compiled Mar.1994
Revised Mar.1996

ASE IDN/A 314/92

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Indonesia	1.SITE OR AREA		North Sumatra Province, South Sulawesi Province and West Nusa Tenggara		1.PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2.NAME OF STUDY		2.PROJECT COST		Total Cost	Local Cost		
Land Development Project Improvement of Land and Irrigation Systems at Farm Level				1) 40,000	23,000	17,000	
3.SECTOR		3.CONTENTS OF MAJOR PROJECT(S)				(Description) OECF is now processing the appraisal on the OECF loan project. (FY1993 Overseas Survey) No additional information. (FY1994 Domestic Survey) No additional information. (FY1994 Overseas Survey) According to the Ministry of Agriculture, the Ministry of Public Works is in charge of the paddy field reclamation for technical irrigation and the Ministry of Agriculture is in charge of the one for village irrigation. More precisely, however, the Ministry of Agriculture takes care of studies relating to the paddy-field reclamation for technical irrigation, and the Ministry of Public Works takes over designing, land clearing and land leveling. Therefore, there is a possibility of having two counterparts to conduct this project. This project is listed in the Blue Book of 1994. OECF is positive of small scale irrigation projects. (FY1995 Domestic Survey) No additional information.	
Agriculture/(Agriculture in)General		The Project consists of four major components, i.e., land development, village irrigation development, institutional strengthening and strengthening of coordination and monitoring, and include the following contents.					
4.REFERENCE NO.		(1) Land Development Project					
5.TYPE OF STUDY		Number of schemes		30 nos.			
F/S		New paddy field reclamation		2,334 ha			
6.COUNTERPART AGENCY		Tertiary system & land consolidation		2,314 ha			
Directorate General of Food Crops Agriculture, Ministry of Agriculture		(2) Village Irrigation Project					
7.OBJECTIVES OF STUDY		Number of schemes		310 nos.			
To conduct a feasibility study in order to formulate the land development project - improvement of land and irrigation systems at farm level - for existing on farm irrigation area in three (3) provinces (North Sumatra, South Sulawesi and West Nusa Tenggara.)		Planning paddy area		28,100 ha			
		Upgrading of irrigation/drainage facilities		310 schemes			
8.DATE OF SAW		Imp. Period:		1994. -2000.			
1990/11		4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility:	EIRR1) 16.50	FIRR1)	
9.CONSULTANT(S)		Japan Irrigation and Reclamation Consultants Co, Nippon Giken Inc.		Yes	EIRR2)	FIRR2)	
					EIRR3)	FIRR3)	
10.STUDY TEAM		Conditions and Development Impacts:				2.MAJOR REASONS FOR PRESENT STATUS	
No.of Members 10		It is a prerequisite for farmers to bear apart of construction cost for the Project because the Project mainly aims at the development of paddy fields at the tertiary blocks in the existing irrigation schemes and the rehabilitation of village irrigation schemes operated and maintained by farmers. It is to establish a coordinating between DGFA and DGWRD.					
Period Feb.1991-Sep.1992(23 months)		[Development Impact]					
Total M/M		To rehabilitate and upgrade the existing simple systems and to accelerate the development of introduction paddy fields at small scale irrigation schemes bear earlier occurrence of benefit and cheaper construction cost due to the participation of farmers than at large scale irrigation schemes, and bring farmers stable paddy cultivation and decrease of damages.					
Japan							
Field							
70.89							
25.30							
45.59							
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER				3.PRINCIPAL SOURCE OF INFORMATION	
- Inventory survey - Topographical survey and river survey		Provision of transfer of technology to Indonesia counterpart personnel in the course of the study.					
12.EXPENDITURE		(1)OJT					
Total		286,686 (¥000)					
Contracted		276,309					
		(2)Training in Japan (3)Seminars/Lectures					

和名 小規模かんがい施設整備計画

[F/S,D/D]

PROJECT SUMMARY (F/S)

Compiled Mar. 1994
Revised Mar. 1996

ASE IDN/S 343/92

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT									
1. COUNTRY	Indonesia	1. SITE OR AREA	Bordered by the sea in the north and west, by the Cibanten river in the east and by the Cidanau river in the south			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 Cidanau-Cibanten Water Resources Development Project		2. PROJECT COST (US\$1,000)		Total Cost	Local Cost										
				64,872	20,229										
				44,643											
3. SECTOR Social Infrastructure/Water Resource Development		3. CONTENTS OF MAJOR PROJECT(S)				(Description) Under discussion in the Indonesian Government on implementation of the project including financial aid. (FY1993 Overseas Survey) Implementation of the project is still under discussion in the Indonesia Government. But water demands, industrial demand is in particular may not be fulfilled because industries growth beyond anticipation of the study. (FY1994 Domestic Survey) Although the project implementation is high priority in the Government due to the increase of water demand, arrangement between two Ministries (Public Works and Industry) for the heightening of Krenceng dam is not well done. (FY1995 Domestic Survey) No additional information.									
4. REFERENCE NO.		(a) Heightening of Krenceng Dam - Dam type: Impervious random fill - Dam height and length: 24m, 2,911m - Dam volume: 1,270,000m ³ - Gross and effective capacity: 14.07, 12,070,000m ³ (b) Water Conveyance and Treatment Facilities - To be added (Intake and sand trap basin, Cidanau pump station, Booster Pump Station, Water treatment plant) - to be replaced (Krenceng pump station Surge Tank) (c) Maximum Water Supply Capacity - 3.05m ³ /S													
5. TYPE OF STUDY								F/S							
6. COUNTERPART AGENCY												Directorate General of Water Resources Development, Ministry of Public Works			
7. OBJECTIVES OF STUDY															
8. DATE OF SAV		Imp. Period: 1993. -1999.													
9. CONSULTANT(S)		4. FEASIBILITY AND ITS ASSUMPTIONS		EIRR1)	30.92	FIRR1)	27.99								
Nippon Koei Co., Ltd. Mitsui Consultants Co., Ltd.		Feasibility: Yes/No		EIRR2)		FIRR2)									
				EIRR3)		FIRR3)									
10. STUDY TEAM		Conditions and Development Impacts: [Condition] - There should be no severe adverse environmental effects expected to be caused by the dam development at the Korenceng, Cidanau and Beroeng rivers. [Impacts] - The project can supply 3.05m ³ /S in total including the existing water supply capacity of 1.94 m ³ /S - The water demand in the year 2005 is forecasted at 3.7 m ³ /S. It is recommended to study and implement further water resources projects such as Karian, Pasir Kopo and Rawa Danau storage dam projects.													
No. of Members 9 Period Dec. 1990-Jun. 1992 (19 months)															
Total M/M		Japan		Field											
47.84		18.97		28.87											
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER													
Material Test, Topographic survey, Environmental survey, Boring Test, Geological Survey, Water Quality Analysis		OUT through field investigation and study.													
12. EXPENDITURE		3. PRINCIPAL SOURCE OF INFORMATION													
Total 231,709 (¥'000)		①, ③													
Contracted 217,016															

和名 チダナオ・チバンテン水資源開発計画

(F/S,D/D)

PROJECT SUMMARY (F/S)

Compiled Mar.1994
Revised Mar.1996

ASE IDN/S 344/92

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT			
1.COUNTRY	Indonesia	1.SITE OR AREA		Central Denpasar area of 2,683ha and Sanur area of 74ha		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 The Development of Wastewater Disposal for Denpasar		2.PROJECT COST (US\$1,000)						Total Cost	Local Cost
				1) 40,792					
				2)					
				3)					
3.SECTOR Public Utilities/Sewerage		3.CONTENTS OF MAJOR PROJECT(S) The main features of the urgent project in 2000 are shown below				(Description) The necessary arrangements for the implementation of the urgent project have been undertaken by the Government of Indonesia. (FY1994 Domestic Survey) Nov. 1994:OECP L/A concluded (The Development of Wastewater Disposal for Denpasar). 5,400 mil. Yen. (FY1995 Domestic Survey) Selecting the consultant.			
4.REFERENCE NO.									
5.TYPE OF STUDY F/S									
6.COUNTERPART AGENCY Cipta Karya									
7.OBJECTIVES OF STUDY Conduct a feasibility study for the priority areas selected in the master plan study									
8.DATE OF S/W 1991/3		Imp. Period: 1994. -2000.							
9.CONSULTANT(S) Pacific Consultants International		4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes/No	EIRR1) 14.10 EIRR2) EIRR3)			FIRR1) FIRR2) FIRR3)	
10.STUDY TEAM No.of Members 10 Period Sep.1991-Dec.1992(16 months)		Conditions and Development Impacts: The proposed urgent project will improve the conditions of the study area as follows: (1) The urgent project will control the future river water pollution of the most developed central and Southern Denpasar areas to a large extent. As the consequence, the sea water quality of the project area in 2000 will be maintained around existing level. (2) The urgent project will greatly contribute to the reduction of these water-borne diseases and related economic cost (3) Tourism benefits to be produced by the urgent project of Denpasar and Sanur areas are estimated to be Rp. 10,788 million.							
Total M/M Japan Field 57.32 11.39 45.93								2.MAJOR REASONS FOR PRESENT STATUS	
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY Topographic Survey Environmental Impact Assessment		5.TECHNICAL TRANSFER Technical knowledge was transferred to the Indonesian side by seminar.						3.PRINCIPAL SOURCE OF INFORMATION ①	
12.EXPENDITURE Total 241,233 (¥000) Contracted									

PROJECT SUMMARY (F/S)

Compiled Mar.1994

Revised Mar.1996

ASE IDN/S 342/92

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Indonesia	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		High Priority IKKs, central Java, East Java and Bali					
3.SECTOR		2.PROJECT COST (US\$1,000)		Total Cost		(Description) (FY1993 Overseas Survey) Oct.1993 OECF signed L/A (7,798 million yen, Human Settlement Improvement Project for Urban and Rural Areas) Major Components: - Procurement of pumps, generators and hydrophones - Procurement of other equipment - Consulting services Oct.1994 Consulting services will start Aug.1996 Construction will start (FY1994 Domestic Survey) Under negotiation about the agreement of consulting services on Nov.1994. The contract period is unknown. (FY1995 Domestic Survey) Nov.,1994 Consultation Agreement was signed. Jan.,1995 Consulting services (detail designing and administration of construction) was commenced by Pacific Consultants International and the other three(3) domestic consulting companies. Oct.,1995 Scheduled to complete the construction works. For 30 IKK, construction will be commenced. And it is expected to complete on Jan., 1997.	
Public Utilities/Water Supply				Local Cost			
4.REFERENCE NO.				Foreign Cost			
5.TYPE OF STUDY				6,093			
6.COUNTERPART AGENCY		3.CONTENTS OF MAJOR PROJECT(S)					
CIPTA KARYA		(1) Construction of Water Supply Facilities for 30 IKKs (Main towers of Kramatan)					
7.OBJECTIVES OF STUDY		(2) Water supply facilities consist of intake facilities, reservoirs and piping including elevated tank, public taps and house connections.					
To formulate the Basic water supply plan for 121 IKKs by IKK Rural water supply system. To conduct the feasibility study for selected high priority 30 IKKs.		(3) Numbers of IKKs and water sources are as follows:					
8.DATE OF S/W		Province		Number of IKKs		Water Source	
1989/11		Central Java		14		Spring	
9.CONSULTANT(S)		East Java		12		Well	
Pacific Consultants International Kajitani Engineering		Bali		4		Existing Water Supply System	
10.STUDY TEAM		Imp. Period: 1993. -1996.		Feasibility: Yes/No		EIRR1) 10.10 FIRR1) 5.00	
No.of Members 10 Period Jul.1990-May.1992 (23 months)		4.FEASIBILITY AND ITS ASSUMPTIONS				EIRR2) FIRR2) EIRR3) FIRR3)	
Total M/M Japan Field		Conditions and Development Impacts:					
59.94 18.34 41.60		The FIRR is estimated to be about 5% and 10% by rising the average current tariff (Rp 150/m3) to 200 Rp/m3 and 280 Rp/m3, respectively.					
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		The EIRR (10.1%) corresponds to the opportunity cost of capital in the study area.					
Deep well Drilling Topographic survey Laboratory test for Water Quality		5.TECHNICAL TRANSFER					
12.EXPENDITURE		Technical knowledge was transferred to the Indonesian counterpart and local consultant staff by internal discussion with JICA Study Team Staff.				2.MAJOR REASONS FOR PRESENT STATUS	
Total 285,108 (¥'000)							
Contracted						3.PRINCIPAL SOURCE OF INFORMATION	
						①, ②, ④	

和名 地方水道整備計画

[F/S,D/D]

PROJECT SUMMARY (M/P)

Compiled Mar.1995

Revised Mar.1996

ASE IDN/A 112/93

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS																														
1.COUNTRY	Indonesia	1.SITE OR AREA	All Indonesia			1.PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued																												
2.NAME OF STUDY	Formulation of Irrigation Development Program	2.PROJECT COST	(US\$1,000)	Total Cost	Local Cost	Foreign Cost	(Description) The result of the study was utilized to formulate the 6th National Development Plan(1994-1999) and the 2nd long term development plan(1994-2019). (FY1994 Domestic Survey) Formulated Irrigation Development Program should be maintained properly and revised periodically, according to the change in parameters due to the change of external circumstances. Several agencies/institutions such as BULOG, BAPPENAS, Central Bureau of Statistic, Ministry of Agriculture, Ministry of Public Works maybe necessary to be coordinated to proceed the Program. (FY1994 Overseas Survey) Ministry of Public Works hopes to undertake F/S for one of the areas proposed in the study. (FY1995 Domestic Survey) No additional information.																												
3.SECTOR	Agriculture/(Agriculture in)General		1)	9,730,500																															
4.REFERENCE NO.		3.CONTENTES OF MAJOR PROJECT(S)	2)																																
5.TYPE OF STUDY	M/P	To sustain the self-sufficiency in Indonesia, the following development plan is proposed: New Construction : 1,300,000ha Rehabilitation : 400,000ha Land Development : 1,130,000ha																																	
6.COUNTERPART AGENCY	Directorate General of Water Resources Development, Ministry of Public Works	Target Development Area of each category (unit:1000ha) <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>6th</th> <th>7th</th> <th>8th</th> <th>9th</th> <th>10th</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>New Construction</td> <td style="text-align: center;">36.4</td> <td style="text-align: center;">434.8</td> <td style="text-align: center;">465.2</td> <td style="text-align: center;">299.9</td> <td style="text-align: center;">60.0</td> <td style="text-align: center;">1,296.3</td> </tr> <tr> <td>Rehabilitation</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">406.9</td> </tr> <tr> <td>Land Development</td> <td style="text-align: center;">326.4</td> <td style="text-align: center;">258.4</td> <td style="text-align: center;">303.3</td> <td style="text-align: center;">207.7</td> <td style="text-align: center;">39.2</td> <td style="text-align: center;">1,134.8</td> </tr> </tbody> </table>							6th	7th	8th	9th	10th	Total	New Construction	36.4	434.8	465.2	299.9	60.0	1,296.3	Rehabilitation	-	-	-	-	-	406.9	Land Development	326.4	258.4	303.3	207.7	39.2	1,134.8
	6th	7th	8th	9th	10th	Total																													
New Construction	36.4	434.8	465.2	299.9	60.0	1,296.3																													
Rehabilitation	-	-	-	-	-	406.9																													
Land Development	326.4	258.4	303.3	207.7	39.2	1,134.8																													
7.OBJECTIVES OF STUDY	To formulate the long period plan of national irrigation development program.																																		
8.DATE OF SAV	1991/11	4.CONDITIONS AND DEVELOPMENT IMPACTS																																	
9.CONSULTANT(S)	Nippon Koei Co., Ltd. Japan Irrigation and Reclamation Consultants Co.	The above program enables Indonesia to sustain the self-sufficiency of rice until 2020.																																	
10.STUDY TEAM	No.of Members 10 Period Apr.1992-Nov.1993(20 months)																																		
	Total M/M	Japan	Field																																
	91.50	9.90	81.60																																
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Inventory Survey																																		
12.EXPENDITURE	Total 366,418 (¥'000) Contracted 323,988	5.technical transfer			3.PRINCIPAL SOURCE OF INFORMATION																														
		Technical transfer to counterparts in the course of study. OJT			①, ③																														

PROJECT SUMMARY (M/P+F/S)

Compiled Mar.1995

Revised Mar.1996

ASE IDN/S 205/93

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT					
1.COUNTRY	Indonesia	1.SITE OR AREA		Central Java Province, Semarang City and its Suburbs		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		2.PROJECT COST (US\$1,000)									
Water Resources Development, Urgent Flood Control and Urban Drainage in Semarang City and Suburbs		M/P 1)	Local Cost	Foreign Cost	(Description) In 1994, the Urgent Project in the Project was listed in the List submitted to OECF by BAPPENAS in which it is ranked with not so high priority. In 1995, the Urgent Project is expected to be ranked with high priority in the list to be submitted to OECF. (FY1995 Domestic Survey) No additional information.						
3.SECTOR		2)	187	89							
Social Infrastructu/Water Resource Development		F/S 1)	2)	345							
4.REFERENCE NO.		3.CONTENTS OF MAJOR PROJECT(S)									
5.TYPE OF STUDY		(1)Flood Control Rehabilitation of 6 rivers and Construction of 2 dams. (2)Urban Drainage No. of Objective Channels : 16 Catchment Area : 104km ² Total Length of Objective Channels : 73km (3)Water Resources Development Development Volume : 10.37m ³ /s by Construction of 4 dams.									
6.COUNTERPART AGENCY											
Department of Public Works, Directorate General of Water Resources Development											
7.OBJECTIVES OF STUDY		Imp. Period: 1995. -2004.									
(1)Flood Control (2)Urban Drainage (3)Water Resources Development		4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes/No EIRR1) 14.10 FIRR1) EIRR2) 10.40 FIRR2) EIRR3) 11.40 FIRR3)							
8.DATE OF SAV		1991/12									
9.CONSULTANT(S)		CTI Engineering Co., Ltd. Pacific Consultants International.									
10.STUDY TEAM		Conditions and Development Impacts: Conditions and Development impact : Semarang City suffers from habitual inundation by both overtopping flood from surrounding rivers and inland water in rainy seasons. In dry seasons, the city also suffers from shortage of municipal and industrial water. The implementation of the project will solve these matters.									
No.of Members 13 Period Apr.1992-Nov.1993 (20 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;">98.06</td> <td style="text-align: center;">41.40</td> <td style="text-align: center;">56.66</td> </tr> </table>		Total M/M	Japan			Field	98.06	41.40	56.66
Total M/M	Japan	Field									
98.06	41.40	56.66									
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER									
Mapping, Topographical Survey, Environmental Study, Hydrological Stations		Technical tranfer was made through a seminar and on the job training for counterpart personnels during the study period.									
12.EXPENDITURE		3.PRINCIPAL SOURCE OF INFORMATION									
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Total</td> <td style="width: 30%;">469,360 (¥000)</td> </tr> <tr> <td>Contracted</td> <td>250,000</td> </tr> </table>		Total	469,360 (¥000)	Contracted	250,000	①					
Total	469,360 (¥000)										
Contracted	250,000										

和名 スマラン市周辺緊急治水・水資源開発計画調査

PROJECT SUMMARY (M/P+F/S)

Compiled Mar.1995
Revised Mar.1996

ASE IDN/S 204/93

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Indonesia	1.SITE OR AREA		Eastern Indonesia (12 provinces)		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 Integrated Modernization Plan for Sea Transportation in Eastern Indonesia		2.PROJECT COST (US\$1,000)					
3.SECTOR Transportation/Port		M/P 1)	Local Cost	Foreign Cost	9.819	(Description) (FY1994 Domestic Survey) OECF loan information 1) Maritime Transportation Sector Loan in Eastern Indonesia (1.Development of Ferry Terminals 2.Development of Ports and Harbors 3.Development of Nautical Marks Control Vessel 4.Development of Nautical Marks 5.Development of Surabaya Seamen's School 6.Consulting Services : L/A concluded in Sep. 1991, 8,499mil. yen) Commencement in Oct. 1993. Target of completion in Dec.1995. 2) Maritime Transportation Sector Loan in Eastern Indonesia(2) (1.Development of Nautical Marks Control Vessel 2.Development of Nautical Marks 3.Development of Ports and Harbors 4.consulting Services : L/A concluded in Oct.1992, 5,231mil. yen) Commencement in Jun.1995. Target of Completion in Aug.1996. (FY1995 Domestic Survey) No additional information. (FY1995 Overseas Survey) It is implementing by means of yen credit.	
4.REFERENCE NO.		2)	2,126,014	27,900			
5.TYPE OF STUDY M/P+F/S		F/S 1)	37,719	27,900	9.819		
6.COUNTERPART AGENCY Directorate General of Sea Communication (DGSC)		2)	3)				
7.OBJECTIVES OF STUDY Formulation of a master plan for modernization of sea transportation in Eastern Indonesia Feasibility Study of two ports		3.CONTENTS OF MAJOR PROJECT(S) 1.Construction of three kinds of standard ships 2.Improvement of sea transportation service 3.Development of 17 major ports in Eastern Indonesia 4.Improvement of basic yard for repair and inspection of ships 5.Improvement of navigational and search and rescue facilities including communication systems 6.Urgently required development of Bitung Port and Kupang Port Based on the above master plan					
8.DATE OF SAW 1992/2		4.FEASIBILITY AND ITS ASSUMPTIONS					
9.CONSULTANT(S) Overseas Coastal Area Development Institute The Maritime International Cooperatin Center of J Overseas Ships Building Cooperation Center Japan Port Consultants Co., Ltd.		Feasibility: Yes/No	EIRR1) 16.40 EIRR2) 15.30 EIRR3)	FIRR1) 7.50 FIRR2) 5.90 FIRR3)			
10.STUDY TEAM No.of Members 20 Period Oct.1992-Mar.1994(18 months) Total M/M Japan Field 135.69 52.80 82.89		Imp. Period: 2005.					
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY 00 Survey Natural condition survey		Conditions and Development Impacts: 1. Above improvements contribute to promotion of sea transportation and development of the socio-economy in Eastern Indonesia 2. Above EIRR and FIRR are as follows ; 1) Bitung Port 2) Kupang Port					
12.EXPENDITURE Total 518,235 (¥'000) Contracted 508,999		5.TECHNICAL TRANSFER Invited counterparts to Japan for training					
2.MAJOR REASONS FOR PRESENT STATUS							
3.PRINCIPAL SOURCE OF INFORMATION ①, ①							

PROJECT SUMMARY (M/P+F/S)

Compiled Mar.1995
Revised Mar.1996

ASE IDN/S 203/93

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Indonesia	1.SITE OR AREA	SURABAYA CITY		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	Solid Waste Management Improvement for Surabaya City	2.PROJECT COST (US\$1,000)	M/P 1) 2) FS 1) 2) 3)	Local Cost 16,669	Foreign Cost	(Description) (FY1994 Domestic Survey) No information obtained afterward. But as one of the related projects, Surabaya Urban Development Project (I) started from Jan.1993 using OECF loan (Total:11.25 billion yen). Although the project is mainly river and road improvement works, it is included provision of equipment for collecting solid waste. (FY1995 Domestic Survey) No additional information.
3.SECTOR	Public Utilities/Urban Sanitation	3.CONTENTS OF MAJOR PROJECT(S)				
4.REFERENCE NO.		1) Improvement and Construction of final disposal site 2) Increase of Service coverage and hygienic upgrading in haulage 3) Increase of Street sweeping efficiency 4) Improvement of Vehicle maintenance 5) Institutional Improvement in Waste management 6) Waste amount reduction 7) Improvement and effective use of Existing incinerator				
5.TYPE OF STUDY	M/P+F/S					
6.COUNTERPART AGENCY	Department of Public Works / Surabaya City					
7.OBJECTIVES OF STUDY	M/P and F/S for Solid Waste Management with the target year of 2010					
8.DATE OF S/W	1991/3					
9.CONSULTANT(S)	Pacific Consultants International EX Cor.	Imp. Period:	1992. -1998.			
		4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes/No	EIRR1) EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)	
10.STUDY TEAM	No.of Members 10 Period Jan.1992-Feb.1993(14 months) Total M/M 33.00 Japan 18.00 Field	Conditions and Development Impacts: 1) To be a target project of cofinance by IBRD and OECF as a part of Integrated Urban Infrastructure Development Project (IUIDP). 2) Planned to be the minimum cost principle complying with the national guidelines of solid waste management authorized by the Department of Public works.				
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Topographical and Geological Survey and others				2.MAJOR REASONS FOR PRESENT STATUS	
12.EXPENDITURE	Total 220,649 (¥000) Contracted 199,190	5.TECHNICAL TRANSFER			3.PRINCIPAL SOURCE OF INFORMATION	
		Test operation of sanitary landfill, Analysis of Waste Volume and Quality.			①, ②	

和名 スラバヤ市廃棄物処理計画調査

(M/P+F/S)

PROJECT SUMMARY (F/S)

Compiled Mar.1995
Revised Mar.1996

ASE IDN/A 223/93

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT			
1. COUNTRY	Indonesia	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 Upland Plantation and Land Development Project at Citarik Sub-watershed		Citarik sub-watershed of citarum watershed in West Java (about 50,000ha)							
3. SECTOR Forestry/Forestry & Forest Conservation		2. PROJECT COST		Total Cost	Local Cost	Foreign Cost			
		(US\$1,000)	1) 44,253	30,980	13,273	(Description) Indonesia Government is positively promoting to embody the project. (FY1994 Domestic Survey) The SAPROF survey of OECF was commenced. (FY1994 Overseas Survey) According to the Ministry of Forestry, this project will be realized owing to the serious soil erosion and land degradation in Citarik region, causing the progress of sedimentation in three dam reservoirs close to the region. Therefore forestation or check-dam construction to stop soil erosion is urgently necessary. (FY1995 Domestic Survey) The SAPROF survey has been completed.			
		1US\$=2,050RP=125 Yen	2)						
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)							
5. TYPE OF STUDY		Bench Terraces : 5,448ha Small dike Terraces : 2,320ha Forest Development : 3,228ha Agroforestry : 3,072ha Improvement of Dry Fields : 7,828ha Check Dam : 70 units Small Check Dam : 139 units Gully Plug : 2,080 units Revetment Work : 16,000m Demonstration plot : 30 units Training Center : 1 units New Road Construction : 74 Km Improvement of Road : 130 Km Nursery : 12 units						F/S	
6. COUNTERPART AGENCY								Directorate General of Reformation and Land Rehabilitation, Ministry of Forestry	
7. OBJECTIVES OF STUDY								The study is preparing the upland plantation and Land Development Project for the Citarik sub-watershed lying in the northwestern part of Java and conducting the feasibility study.	
8. DATE OF SAV								1991/3	
9. CONSULTANT(S)								Japan Forest Technical Association	
10. STUDY TEAM		Imp. Period: 1994. -2000. 4. FEASIBILITY AND ITS ASSUMPTIONS Feasibility: Yes EIRR1) 21.10 FIRR1) EIRR2) FIRR2) EIRR3) FIRR3)							
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		Conditions and Development Impacts: - Implementation Period ; 7 years, commencing in 1994 - Project life ; 25 years - Base Year Prices ; 1992 - Inflation Rate ; domestic 8 %, foreign 5 % - The productivity increase will be caused by agriculture input and soil conservation measure. - Effect of Project ; soil erosion prevention, local development and sediment discharge reduction							
12. EXPENDITURE		5. TECHNICAL TRANSFER OJT (photo interpretation, forest type, land use survey etc.), JICA c/p training (soilsurvey, forest type survey etc.), Seminar (forest extension, etc.)							
		Total 293,165 (¥'000) Contracted 283,099							
		2. MAJOR REASONS FOR PRESENT STATUS The Citarum watershed, which includes the study area, is ranked 6th in terms of priority in the 5th 5-year plan.							
		3. PRINCIPAL SOURCE OF INFORMATION ①, ③, ④, ⑤							

PROJECT SUMMARY (F/S)

Compiled Sep. 1995

Revised Mar. 1996

ASE IDN/S 345/94

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT						
1. COUNTRY	Indonesia	1. SITE OR AREA	City of Jakarta and surroundings			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	Urban Arterial Road System Development Project in Jakarta Metropolitan Area	2. PROJECT COST	(US\$1,000)									
3. SECTOR	Transportation/Road	3. CONTENTS OF MAJOR PROJECT(S)	1)	Total Cost 1,061,883	Local Cost 530,883	Foreign Cost 531,000	(Description) The roads included in this Feasibility Study are appreciated that they can reinforce existing arterial road network not only east to west but north to south axes. Although the costs are very high it is feasible enough even with direct benefit only according to the result of economic analysis. Necessary fund during construction period is estimated at most 20 billion rupiahs per annum. It seems to be very realistic plan considering former results of arrangement of the road networks. As the result of financial analysis much profit will be expected as or a toll road.					
4. REFERENCE NO.			2)	1,032,139	516,139	516,000						
5. TYPE OF STUDY	F/S		3)									
6. COUNTERPART AGENCY	Directorate General of Roads, Ministry of Public Utilities	To construct the arterial roads through east to west and north to south in Jakarta the capital city. - Arterial road through east to west is the general trunk road with a big capacity connecting the central part of Jakarta and newly developed centers at the eastern and western end of the city and has the capability to develop the areas along the road. This road aims to ease the traffic jams at downtown and to promote the development towards east and west directions. - Arterial road through north to south will be constructed as a toll road under the BOT scheme, to reinforce the existing north-south trunk road network and to deal with the increase of traffic by the development of south Jakarta area.										
7. OBJECTIVES OF STUDY	Formulation of a basic plan on the improvement of arterial roads mainly concerning with the east-west and the north-south axes of Jakarta Metropolitan area and Feasibility Study on the part of road with higher priority.											
8. DATE OF S/W	1992/12							Imp. Period:	1995. -2000.	1996. -2000.		
9. CONSULTANT(S)	Pacific Consultants International Yachiyo Engineering Co., Ltd.							4. FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes/No	EIRR1) 40.30 EIRR2) EIRR3)	FIRR1) 14.80 FIRR2) FIRR3)	
10. STUDY TEAM	No. of Members 9 Period Mar. 1993-Jan. 1995 (23 months)							Conditions and Development Impacts: [Conditions] - Secure the land for construction, purchase and/or compensation. - Arrangement of the various organizations concerned, establishment of organization for the implementation. - Arrangement with the basic plan of trunk road network. - Rearrangement of the public transportation system. - Effective usage of the space under the overhead lines. [Development Impacts] - Countermeasure to the increase of transportation. - Creation of the space for public facilities by means of land readjustment. - Reinforcement of the existing trunk road network. - Classification of the road networks depending on the functions in order to improve the efficiency of utilization of the road network.				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY								2. MAJOR REASONS FOR PRESENT STATUS				
Aerial Photographs, Mosaic Photographs, Supplementary Survey of Traffic, Survey on Natural Conditions and Environmental Influences												
12. EXPENDITURE	Total 257,394 (¥'000)						3. PRINCIPAL SOURCE OF INFORMATION					
	Contracted											

PROJECT SUMMARY (F/S)

Compiled Sep.1995
Revised Mar.1996

ASE IDN/A 316/94

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT					
1.COUNTRY	Indonesia	1.SITE OR AREA	East Coast Area of Sumatera Is., east of Rupat Is., Riau State			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 Coastal Resources Inventory Management and Enhancement		2.PROJECT COST (US\$1,000)		Total Cost	Local Cost			Foreign Cost			
3.SECTOR Fisheries/Fisheries				1) 7,348							
4.REFERENCE NO.				2)							
5.TYPE OF STUDY F/S				3)							
6.COUNTERPART AGENCY Bureau of Fisheries, Ministry of Agriculture (BAPPENAS)		3.CONTENTS OF MAJOR PROJECT(S) Development plan of small-scaled fishing industry, maintenance and improvement plan of the forest of mangrove. This area, where is faced on the Malacca straight, had been covered with the forest of mangrove. However, a quarter of those forest were disappeared during passed 15 years due to various development activities. There are many numbers of small fishing villages and their population is now increasing at an annual ratio of 4% or more. On this project, 4 villages are selected as for the model cases and following works have been planned. 1)Organize the fishermen, support them by fishing infrastructures and equipment from the government, release from the influences of brokers in order to keep their revenues and promote the planting mangroves. 2)The same actions will be taken for the villages without influences of brokers. 3)Conduct fish cultivation and the cultivators should plant mangroves. 4)Process the local marine products, apiculture by mangroves, produce of charcoal from mangrove.				(Description) Based on the recommendations from M/P, BAPPENAS lifted up this project on their Blue-Book and requested the assistance to the Japanese governmental mission. However, it was not accepted. (FY1995 overseas Survey) At present, the request has been submitted in order to receive the financial assistance from JICA.					
7.OBJECTIVES OF STUDY To carry on the Feasibility Study to develop small-scaled fishing villages by means of maintenance of coastal natural ecosystem and utilization of marine resources more effectively and continuously.											
8.DATE OF S/W 1991/12		Imp. Period:				2.MAJOR REASONS FOR PRESENT STATUS					
9.CONSULTANT(S) System Science Consultants Japan Forest Technical Association		4.FEASIBILITY AND ITS ASSUMPTIONS Feasibility: Yes/No		EIRR1) EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)						
10.STUDY TEAM No.of Members 10 Period Sep.1992-Mar.1994(17 months)		Conditions and Development Impacts: 1)Development plan of fishing industry will be able to expect an effective performances if a certain amount of the official support is available. 2)On the other hand, the maintenance and improvement plan of the forest of mangrove may be not so effective from the viewpoint of financial evaluation. However, in this field, accumulated data are not enough to evaluate the effects quantitatively and scientifically. 3)As it is considered that the widely spread mangrove forests along the sea-coast of Indonesia are greatly contributed to produce the marine resources of the country, continuous investigations to find out the qualitative effects will be very significant.				3.PRINCIPAL SOURCE OF INFORMATION ②、BAPPENAS					
<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;">59.98</td> <td style="text-align: center;">25.37</td> <td style="text-align: center;">34.61</td> </tr> </table>		Total M/M	Japan	Field	59.98			25.37	34.61	5.technical transfer 1)Counterparts were trained in Japan during 1992 to 1993. 2)Seminars and OJT have been carried out at the site.	
Total M/M	Japan	Field									
59.98	25.37	34.61									
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY Survey of inhabitants' opinions/impacts, Take aerial photographs, Distribution map of mangrove forest, Survey of natural circumstances											
12.EXPENDITURE											
Total		249,031 (¥'000)									
Contracted		247,798									

PROJECT SUMMARY (F/S)

Compiled Sep. 1995
Revised Mar. 1996

ASE IDN/S 346/94

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT		
1. COUNTRY	Indonesia	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		Jabotabek area and Northern Banteng area (approx. 10,000sq.m)						
Ciujung-Cidurian Integrated Water Resources		2. PROJECT COST (US\$1,000)		Total Cost	Local Cost	Foreign Cost		
		1)	381,373	196,323	185,050			
		2)	962,993	501,669	461,324			
		3)						
3. SECTOR		3. CONTENTS OF MAJOR PROJECT(S)				(Description) The Government of Indonesia is expecting Japanese technical cooperation for the detailed design of Phase-I of this project. At present the necessary measures are being provided by the Ministry of Public Utilities.		
Social Infrastructure/Water Resource Development		[Phase-I] Construction of Karian dam: dam height 60.5m, effective capacity of reservoir 219mil cu.m Renovation of the Ciujung River at the midstream: Section to be renovated 18.2km, planned flow quantity 1,100cu.m/s Water inducting canal: length 36.5km, capacity 12.4cu.m/s, concrete canal with square section						
4. REFERENCE NO.		[Phase-II] Pasir Kopo dam: dam height 61.5m, effective capacity 112.6mil cu.m Cirawang dam: dam height 36.0m, effective capacity 62.0mil cu.m Tanjung dam: dam height 35.5m, effective capacity 120.0mil cu.m Water inducting canal: length 52.6km, capacity 13.8cu.m/s, concrete canal with square section (4037km) and concrete PC pipeline (11.9km)						
5. TYPE OF STUDY		F/S						
6. COUNTERPART AGENCY		Directorate General of Water Resources Development, Ministry of Public Utilities						
7. OBJECTIVES OF STUDY		Review of the dam projects on Karian, Cirawang, Pasir Kopo and Tanjung and Feasibility study on the water inducting project from Keriangto Serpong						
8. DATE OF SAW		/						
9. CONSULTANT(S)		4. FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes/No	EIRR1) 19.80 EIRR2) 23.70 EIRR3)			FIRR1) FIRR2) FIRR3)
Nippon Koei Co., Ltd. Pasco International Inc.		Conditions and Development Impacts: (This project should be achieved in 2025.) [Conditions] - Water should be supplied to Jakarta City (6cu.m/s), Tangerang Pref. (20.2cu.m/s) and Serang Pref. (19.3cu.m/s) - Flood control should be provided at the midstream of the Ciujung River for the probability of once a ten-year period. - Water should be supplied for existing irrigated area for the probability of once a five-year period of drought. - Water should be supplied by 2010 with Phase-I and by 2025 with Phase-II respectively. [Development Impacts] To maintain high economic growth in the area.						
10. STUDY TEAM								
No. of Members 12 Period Jun. 1993-Mar. 1995 (21 months)								
Total M/M		Japan		Field				
83.58		22.86		60.72				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		12. EXPENDITURE				2. MAJOR REASONS FOR PRESENT STATUS		
Hydrological Survey, Test of Water Quality, Suspended Materials and Riverbed Materials, Geological Survey, Soil Test, Topographic Survey,		Total		315,787 (¥000)				
		Contracted				3. PRINCIPAL SOURCE OF INFORMATION		
		5. TECHNICAL TRANSFER				①		
		Methods of survey, analysis and planning were transferred to the counterparts during the surveying period at the site.						

PROJECT SUMMARY (F/S)

Compiled Mar. 1986
Revised Mar. 1996

ASO KOR/S 301/77

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT		
1. COUNTRY	Korea	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		Seoul						
Rapid Transit Line No.2, Construction Project in Seoul		2. PROJECT COST		Total Cost	Local Cost	Foreign Cost		
		(US\$1,000)	1) 385,000	269,000	116,000			
		(US\$1=Won480)	2)					
		3)						
3. SECTOR		3. CONTENTS OF MAJOR PROJECT(S)				(Description) (FY1991 Overseas Survey) After the completion of the JICA study, the Korean authorities decided to reroute the proposed Subway No.2 in accordance with the urban development plan for Seoul. Specifically, the subway was to be constructed in line with the policy objective of alleviating the population concentration in the Gangpaek Area by encouraging the population growth of the Gangnam Area. Accordingly, the subway No.2 was divided into four sections, and the construction was completed in four stages, as shown below: 1) New Station-Sport Stadium (14.3km) Opened in Oct. 1980 2) Sp. Stadium-Univ. of Education (5.5km) Opened in Dec. 1982 3) Univ. of Ed.-Seoul Univ. (6.7km) Opened in Dec. 1983 4) Seoul Univ.-New Station (22.3km) Opened in May 1984 Total cost of construction : W887.1 billion Local currency component : W805.7 billion Foreign currency component: W 71.4 billion of which, Yen Loan W 15.8 billion Others W 55.6 billion The route proposed by the JICA study was different from the one actually constructed, but coincided over some parts of the Sections 1) and 4) shown above. On these parts, the findings of the JICA study were utilized for detailed designing with some technical modifications. (FY1995 Domestic Survey) No additional information. (FY1995 Overseas Survey) No additional information.		
Transportation/Railway		- New subway line (double track, 1,435 mm gauge, 24 km, 20 stops) - Marshalling yard (capacity of 410 cars) - Operation (fleet of 240 cars), daily service frequency of 430 cars - Electric equipment (direct current 1,500V, transformers at 6 locations, overhead transmission) - Signals and tele-communication (automatic signals, telephones, wireless)						
4. REFERENCE NO.								
5. TYPE OF STUDY		F/S						
6. COUNTERPART AGENCY		Economic Planning Agency Seoul Subway Authority						
7. OBJECTIVES OF STUDY		Technical and economic evaluation of constructing a new 24-km line of the Subway No.2 and related facilities						
8. DATE OF SAW		1976/10						
9. CONSULTANT(S)		Imp. Period: 1978.12-1983.12						
Japan Transportation Consultants, Inc. Pacific Consultants International The Japan Electrical Consulting Co., Ltd. Japan Transportation Machinery Consultants Co.		4. FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 17.60 EIRR2) EIRR3)			FIRR1) FIRR2) FIRR3)
		Conditions and Development Impacts: Conditions: - Demand projections are based on those done by KIST - The transit line will start partial operation before the completion of the entire line - Fares will be increased from the present level Development impacts: - The new line will stimulate the growth of the southern area of Seoul - Alleviation of traffic congestion in the central and southern areas of Seoul - Saving of travel time and reduction of transport costs						
10. STUDY TEAM								
No. of Members 21								
Period Apr. 1977-Dec. 1977 (8 months)								
Total M/M		Japan		Field				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY								
12. EXPENDITURE		5. TECHNICAL TRANSFER						
Total 103,375 (¥'000)		Participation of counterparts in JICA training program						
Contracted								
		2. MAJOR REASONS FOR PRESENT STATUS						
		3. PRINCIPAL SOURCE OF INFORMATION						
		①, ②, ③						