

PROJECT SUMMARY (M/P + F/S)

Compiled March 1988
Revised March 1992

ASE IDN/S 211A/85

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	Brantas River Basin in East Java Province			1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Widas Flood Control and Drainage Project	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	(US\$1=1,030Rp) Total Cost Local Cost Foreign Cost			
3. SECTOR	Social Infrastructures/ Water Resource Development		1) 2,493,929			(Description) Detailed design for Wororejo multipurpose dam project is scheduled to be started in June or July in 1992.
4. REFERENCE NO.		3. MAJOR PROJECT(S) PROPOSED				
5. TYPE OF STUDY	M/P+(F/S)	(1) Irrigated agriculture development				
6. COUNTERPART AGENCY	Ministry of Public Works, Directorate General of Water Resources Development, Directorate of Rivers	(2) Water supply				
7. OBJECTIVES OF STUDY	Water supply Flood control Water management	(3) Flood control				
8. DATE OF S/W	Feb.1984	(4) Dam and hydropower				
9. CONSULTANT(S)	Nippon Koei Co., Ltd. Nikken Consultants, Inc.	(5) Water shed conservation				
10. STUDY TEAM	No. of Members 16 Period Jul.1984 - Mar.1986 (21 months) Total M/M 123.97 Japan 25.58 Field 98.39	(6) Water management				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		16 projects are recommended				
12. EXPENDITURE	Total 337,764 (¥000) Contracted 323,985	4. CONDITIONS AND DEVELOPMENT IMPACTS	The Brantas river basin is one of the highly developed river basins in Indonesia, as a result of continuous technical and financial aid from Japan. The development, however, has brought increasing complexity of the needs and problems in the region. It is desired that technical and financial assistance be continued in the future as a model of river basin development in developing countries.			
		5. TECHINCAL TRANSFER	(1) OJT: Seminars were held (2) Fellowship: JICA training for 3 persons for one month.			
			2. MAJOR REASONS FOR PRESENT STATUS The project was decided to be financed by OECF, Japan.			
			3. PRINCIPAL SOURCES OF INFORMATION ①			

和名 ウィダス川流域開発計画

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

PROJECT SUMMARY (M/P + F/S)

ASE IDN/S 211B/85

Compiled March 1988
Revised March 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Nganjuk District, East Java Province			1. PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Widas Flood Control and Drainage Project	2. PROJECT COSTS	(US\$1=1,100Rp)			
3. SECTOR	Social Infrastructures/ Water Resource Development		Total Cost	Local Cost	Foreign Cost	(Description) After F/S, the project was suspended. Note : The project will be taken up following the middle Reaches River Improvement Project and Surabaya River Improvement Project are completed. A part of flood control works (Kedungsoko river and Lower Widas) was completed in 1991 by the ADB loan for Waru-Tori Irrigation Rehabilitation Project.
4. REFERENCE NO.			1) 22,700	10,100	12,600	
5. TYPE OF STUDY	(M/P)+F/S		2) 56,900	29,900	27,000	
6. COUNTERPART AGENCY	Ministry of Public Works, Directorate General of Water Resources Development, Directorate of Rivers	3. CONTENTS OF MAJOR PROJECT(S)	3)			
7. OBJECTIVES OF STUDY	Water supply Flood control Water management	Irrigation				
8. DATE OF S/W	Feb. 1984	Net irrigation area		2,599ha		
9. CONSULTANT(S)	Nippon Koei Co., Ltd. Nikken Consultants, Inc.	Main canal/2nd and 3rd canal		8km/98km		
10. STUDY TEAM	No. of Members 16 Period Jul. 1984 - Mar. 1986 (21 months) Total M/M 123.97 Japan 27.58 Field 98.39	Storage dam		/place		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		Flood Control				
12. EXPENDITURE	Total 337,764 (¥'000) Contracted 323,985	Catchment area		1,538 sq.km		
		Design Flood		25year flood		
		Stretches to be improved		81.8km in total		
		Retarding basin		3 places (23.5MCM)		
		Short-cut		1 place (2.9 km)		
		Cost 1) pertains to irrigation and Cost 2) to flood control				
		Implementation Period: Jul. 1988 - Jun. 1994				
		4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
		Feasibility: Yes	10.6%	12.0%		
		Conditions and Development Impacts:				
		Irrigation development will increase crop production and improve farmers' living condition.				
		Flood control by river channel improvement will decrease flood damage, stabilize the social condition and enhance the land use.				
		5. TECHNICAL TRANSFER				
		(1) OJT and seminars				
					2. MAJOR REASONS FOR PRESENT STATUS	
					Shortage of fund	
					3. PRINCIPAL SOURCES OF INFORMATION	
					①	

和名 ウィダス川流域開発計画

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

PROJECT SUMMARY (F/S)

ASE IDN/S 329/85

Compiled March 1988
Revised March 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	38 Provinces in 10 states (19,000km in road length)			1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Local Road Development	2. PROJECT COSTS	(US\$1=1,110Rp) Total Cost Local Cost Foreign Cost 1) 140,000 80,000 (US\$1,000) 2) 3)			
3. SECTOR	Transportation/ Road	3. CONTENTS OF MAJOR PROJECT(S)	Improvement of existing road 6,977 km Maintenance and Repair of existing road 8,683 km			(Description) The report has been used by the Directorate General of Highways and by regional road authorities as a basic document for road improvement. Following the report's recommendations, the Government submitted funding request to OECF. OECF loan agreement (12,882 million yen) for Phase I (1988-1990) completed in Aug. 1991. OECF loan for the Phase II (9,000 million yen) has been agreed, the project started from Sep. 1991 and is expected to complete in Dec. 1992.
4. REFERENCE NO.		Implementation Period:	1988 - 1992			
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
6. COUNTERPART AGENCY	Ministry of Public Works, Directorate General of Highways	Feasibility:	Yes			
7. OBJECTIVES OF STUDY	Road plan Formulation	Conditions and Development Impacts:	Feasible road projects should, in principle yield over 10% IRR, and the priority order is to be determined by the size of NPV. Economic evaluation was conducted for the 1988-1993 five year period and for the 1988-1998 ten-year period. Road improvement is an important component of the Fourth Development plan. This project is expected to increase regional production and marketing, and to increase the proportion of regional paved roads from the present 12% to 26%.			
8. DATE OF S/W	Jun. 1984					
9. CONSULTANT(S)	Pacific Consultants International Kyowa Consultants					
10. STUDY TEAM	No. of Members 8 Period Oct. 1984 - Mar. 1986 (18 months) Total M/M 75.34 Japan 5.51 Field 69.83					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER	Donation of two microcomputers and training on computer operation and data management			
12. EXPENDITURE	Total 230,874 (Y'000) Contracted 258,430					
		2. MAJOR REASONS FOR PRESENT STATUS			(1) Promotion of regional production and non-oil exports (2) ADB, IBRD funding in addition to OECF (3) Priority component of Development Plan (4) Powerful counterpart agency	
		3. PRINCIPAL SOURCES OF INFORMATION			①	

和名 地方道路整備計画

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

PROJECT SUMMARY (F/S)

Compiled March 1988
Revised March 1992

ASE IDN/S 327/85

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	JABOTABEK area (In and around the Kampung Bandan station area)		
2. NAME OF STUDY	Railway Improvement in Kampung Bandan Station Area	2. PROJECT COSTS	(US\$1=1,088Rp)		
3. SECTOR	Transportation/ Railway		Total Cost	Local Cost	Foreign Cost
4. REFERENCE NO.			1) 6,600	1,900	4,700
5. TYPE OF STUDY	F/S		2)		
6. COUNTERPART AGENCY	Directorate General of Land Transport and Inland Waterways	3. CONTENTS OF MAJOR PROJECT(S)	3)		
7. OBJECTIVES OF STUDY	Railway improvement in the Kampung Bandan station area		Shortcut line construction between the Eastern and Western lines --- about 400m Station construction --- about 650sq.m		
8. DATE OF S/W	Jul.1982	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR	
9. CONSULTANT(S)	Japan Railway Technical Service		17.8%		
10. STUDY TEAM	No. of Members 11 Period Oct.1984 - Jan.1986 (15 months) Total M/M 44.19 Japan 16.60 Field 27.59	Implementation Period:	1986 - 1989		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		Feasibility:	Yes		
12. EXPENDITURE	Total 125,819 (¥000) Contracted 124,527	Conditions and Development Impacts:	(1) Preconditions Traffic was estimated for the years 1990,1995 and 2005 with construction planned for 1988 & 1989. Start of service was fixed for 1990. (2) Development impacts Connection of the Eastern and Western Lines and realization of loop operation will lead to more efficient train operation. It will also promote development of eastern and western JABOTABEK and contribute towards balanced development of the area.		
		5. TECHNICAL TRANSFER	(1) OJT: Guidance was rendered for each relevant technical field at site investigations. (2) Four counterparts received training in Japan.		
		1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing		
		(Description)	After the completion of the F/S, the D/D was carried out in 1988 by using OECF funds. The construction started in January 1991 by also using OECF funds, and it is still in progress at present. Since this project aims at creating a commuter transport route and is indispensable to the loop operation, the organizations concerned are promoting the construction by recognizing its importance.		
		2. MAJOR REASONS FOR PRESENT STATUS	(1) Significant of effects (2) Solid arrangements to promote the project: The Indonesian government established the PMG (an organization similar to the Japanese JRCP), and JARTS is supporting the project. (3) special service consultants are also supporting the executing authorities.		
		3. PRINCIPAL SOURCES OF INFORMATION	①		

和名 ジャカルタ大都市圏鉄道輸送計画 (カンボンバンガン駅地区改良計画)

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

PROJECT SUMMARY (F/S)

Compiled March 1988
Revised March 1992

ASE IDN/S 326 /85

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Banten area, West Java Province			1. PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Karian Multipurpose Dam Construction Project	2. PROJECT COSTS	(US\$1=1,050Rp) Total Cost Local Cost Foreign Cost 1) 282,000 169,470 112,530 (US\$1,000) 2) 3) 3) 3)			
3. SECTOR	Social Infrastructures/ Water Resource Development	3. CONTENTS OF MAJOR PROJECT(S)	Karian dam, 60.5m high, rockfill 219 X 1000000 cu.m in off cap. Cilawan dam 36m high, rockfill 62 X 1000000 cu.m in off cap. Trans-basin tunnel, Karian-Cibeureum 1.5km long, 8cu.m/s in cap Trans-basin tunnel, Cilawan-Ciainta 1.9km long, 2.7cu.m/s in cap K-C-C irrigation facilities 10,300 ha River training 26km			(Description) The government requested the OECF financing but the project is now suspended.
4. REFERENCE NO.		Implementation Period:	Jul.1988 - Mar.1993			
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
6. COUNTERPART AGENCY	Directorate Planning & Programming, Directorate General of Water Resources Development, Ministry of Public Works	Feasibility:	Yes			
7. OBJECTIVES OF STUDY	Optimum use of limited water resources	Conditions and Development Impacts:				
8. DATE OF S/W	Mar.1984		14.3%			
9. CONSULTANT(S)	Nippon Koei Co., Ltd. Mitsui Kyodo Consultants Co., Ltd.					
10. STUDY TEAM	No. of Members 17 Period Jul.1984 - Jul.1985 (13 months) Total M/M 79.35 Japan 26.04 Field 53.31					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Analysis of water samples 404,000 Yen	5. TECHNICAL TRANSFER	(1) OJT (2) Use of local consultants			
12. EXPENDITURE	Total 200,442 (¥000) Contracted 200,692					
		2. MAJOR REASONS FOR PRESENT STATUS	(1) Scarcity of local portion fund (2) Suspension of investment in rice producing schemes			
		3. PRINCIPAL SOURCES OF INFORMATION	①			

和名 カリアン多目的ダム建設計画

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

PROJECT SUMMARY (F/S)

Compiled March 1988
Revised March 1992

ASE IDN/S 330 /85

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Medan, Semarang and Solo			1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Improvement Project of Telephone Network in Medan, Semarang and Solo	2. PROJECT COSTS	(US\$1=250Yen)			
3. SECTOR	Communications & Broadcasting/ Telecommunication		Total Cost	Local Cost	Foreign Cost	(Description) Following the proposals of the study, 2 or 3 new exchanges have been established. OECF Loan was not approved, but based on the study, "Local cable Network Expansion Project in Seven Cities" was identified with World Bank assistance during 1987-1989. This project includes Medan and Semarang. Medan: ADB finance Semarang: IBRD and own finance Solo: IBRD finance These projects to be scheduled.
4. REFERENCE NO.		(US\$1,000)	1) 156,211	139,803	16,408	
5. TYPE OF STUDY	F/S		2)			
6. COUNTERPART AGENCY	POSTEL, PERUMTEL	3. CONTENTS OF MAJOR PROJECT(S)	3)			
7. OBJECTIVES OF STUDY	To formulate long-term telephone network plans for three cities of Medan, Semarang and Solo with 2005 as final year.	Number of Telephone to be installed (for the year 2000)				
8. DATE OF S/W	Jun. 1984	(1) Medan		219,200 L.U.		
9. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.	(2) Semarang		149,500 L.U.		
10. STUDY TEAM	No. of Members 18 Period Nov, 1984 - Oct. 1985 (13 months) Total M/M 81.21 Japan 34.67 Field 46.54	(3) Solo		49,100 L.U.		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		Implementation Period:	1985 - 1990			
12. EXPENDITURE	Total 192,347 (¥'000) Contracted 193,672	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR	20.93%	
		Feasibility: Yes				
		Conditions and Development Impacts: Preconditions (1) Installation work be executed on a turn key bases. (2) Consultant be employed to expedite smooth progress of project implementation including detail design examination, bid evaluation, work supervision and acceptance inspection. (3) Cost of training for operation and maintenance of the facilities installed by this project be included in project cost (4) Rate of exchange to be used in cost calculation be US\$1=1,100 Rp.= 250 Yen				
		5. TECHINCAL TRANSFER	(1) Trainee acceptance; 2 counterparts invited to Japan, and Training for a month. (2) On the job training (PERUMTEL counterparts)			
			2. MAJOR REASONS FOR PRESENT STATUS 1, Effectiveness 2, High priority of this project progressed the project.			
			3. PRINCIPAL SOURCES OF INFORMATION ①			

和名 メダン・スマラン・ソロ電話網整備計画

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

PROJECT SUMMARY (Basic Study)

Compiled March 1988
Revised March 1992

ASE IDN/S 502 /85

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	The upstream basin of River Negara in South Kalimantan (6,500 sq.km for mapping)			1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Topographic Mapping Project for Upper Stream Area of Negara Basin, South Kalimantan	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost	Foreign Cost	
3. SECTOR	Social Infrastructures/ Survey & Mapping	(US\$1,000)	1)			(Description) The Negara River basin has large development potentials such as water resource development in the upstream and agricultural development in the midstream and downstream. The maps will be basic to such development planning.
4. REFERENCE NO.		2)				
5. TYPE OF STUDY	Basic Study	3. MAJOR PROJECT(S) PROPOSED	Preparation of national base maps (scale: 1/50,000 9 plates)			
6. COUNTERPART AGENCY	Directorate of Planning and Programming, Directorate General of Water Resource Development, Ministry of Public Works					
7. OBJECTIVES OF STUDY	To prepare the 1:50,000 topographic maps covering an area of 6,500 sq.km in upper stream of Negara river basin					
8. DATE OF S/W	Feb.1983	4. CONDITIONS AND DEVELOPMENT IMPACTS	The prepared maps are indispensable to water resource development planning in the basin area. The maps will be useful to a feasibility study on agricultural development scheduled soon to begin in the downstream area.			
9. CONSULTANT(S)	International Engineering Consultants Association					
10. STUDY TEAM	No. of Members 23 Period Feb.1983 - Jan.1986 (30 months) Total M/M 29.0 Japan 10.5 Field 18.5					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINCAL TRANSFER	1) Participation of the counterparts in the JICA training program 2) Employment of local consultants 3) OJT for the counterparts on aerophotography			
12. EXPENDITURE	Total 336,955 (¥'000) Contracted 169,795					
			2. MAJOR REASONS FOR PRESENT STATUS			
			3. PRINCIPAL SOURCES OF INFORMATION ①			

和名 カリマンタン州ネガラ河上流域地図作成事業

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

PROJECT SUMMARY (Basic Study)

Compiled March 1990
Revised March 1992

ASE IDN/A 502/85

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	Kalimantan Island, downstream area of the Negara River Basin in South Kalimantan			1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Mosaic Photomap Project of the Downstream Area of the Negara River Basin in South Kalimantan	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost	Foreign Cost	
3. SECTOR	Agriculture/ General	(US\$1,000)	1)	2)		(Description) "Negara River Basin Overall Irrigation Development Plan" (Master Plan) was conducted by JICA from FY 1987 to 1989.
4. REFERENCE NO.		3. MAJOR PROJECT(S) PROPOSED				
5. TYPE OF STUDY	Basic Study	Following works were done as basic data for establishing Agricultural Development Plan in downstream area of the Negara River Basin. 1. Taking air photos of those area 6,300 sq.m (1/20,000) 2. Mosaic photomap of Amuntai area (about 1,200 sq.km (1/10,000)				
6. COUNTERPART AGENCY	Directorate General of Water Resources Development, Ministry of Public Works					
7. OBJECTIVES OF STUDY	Preparation of master plan for agricultural development					
8. DATE OF S/W	Apr. 1983	4. CONDITIONS AND DEVELOPMENT IMPACTS				
9. CONSULTANT(S)	Asia Air Survey Co., Ltd. the other	Negara River, the tributary of Barito River where development works have been done on the small scale, remains undeveloped. Indonesian Government recognizes that establishing agricultural development plan is indispensable to facilities development of those areas. This study is basic data for it.				
10. STUDY TEAM	No. of Members 21 Period Jul. 1983 - Mar. 1986 (33 months) Total M/M 72.87 Japan 14.76 Field 58.11					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINCAL TRANSFER				
12. EXPENDITURE	Total 376,764 (¥000) Contracted 373,813	Transfer of technology in aerial photogrammetric mapping				
						2. MAJOR REASONS FOR PRESENT STATUS
						This study started for the purpose of establishing agricultural development plan, however, Indonesian Government was reluctant to hand over topographical maps abroad. Therefore this study concluded as photo map project
						3. PRINCIPAL SOURCES OF INFORMATION
						①

和名 南カリマンタン州ネガラ河下流域写真図作成調査

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

PROJECT SUMMARY (M/P)

Compiled March 1990
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ASE IDN/S 118/86

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	The entire country			1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Long Term Planning for Development of Telecommunications System	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost	Foreign Cost	
3. SECTOR	Communications & Broadcasting/ General	(US\$1,000)	1) 346,283	314,623	31,660	(Description) Based on the recommendations of the study, the master plan study was undertaken by the JICA team on the long-term and medium-term plan for telecommunications network in Jabotabek area of Jakarta during 1988 - 1989. And OECF decided to implement the priority project of the study, the junction cable network expansion project in Jabotabek area, in 1991. (Ref. to the long-term and medium-term plan for telecommunications network in Jabotabek area's PROJECT SUMMARY) Based on the master plan study will be undertaken by JICA on the 5 years' Planning for Development of Telecommunications System for Repelita VI, in 1992.
4. REFERENCE NO.		3. MAJOR PROJECT(S) PROPOSED				
5. TYPE OF STUDY	M/P	(1) Formulation of development goals up to the year 2004 (the ending year of the 7th national development plan) and identification of development strategies				
6. COUNTERPART AGENCY	POSTEL, PERUMTEL	(2) Formulation of the basic plan on the scale of development				
7. OBJECTIVES OF STUDY	Development of the telecommunication network and services up to the year 2004.	(3) Financial and economic evaluation of the plan and project formation				
8. DATE OF S/W	Nov. 1985	4. CONDITIONS AND DEVELOPMENT IMPACTS				
9. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd. Yachiyo Engineering Co., Ltd.	The proposed plan and projects will support the national economic and social development of the country by improving telecommunication services and the profitability of the telecommunication operations.				
10. STUDY TEAM	No. of Members 17 Period Jan. 1986 - Feb. 1987 (14 months) Total M/M Japan 38.27 Field 49.04	5. TECHNICAL TRANSFER			2. MAJOR REASONS FOR PRESENT STATUS	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		(1) 2 counterparts were invited to Japan for the training on long-term telecommunication development planning (2) On the job training (PERUMTEL counterparts)			(1) High priority (2) Effectiveness	
12. EXPENDITURE	Total 227,029 (¥000) Contracted 221,931				3. PRINCIPAL SOURCES OF INFORMATION	
					①	

和名 電気通信システム長期開発計画

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

PROJECT SUMMARY (M/P + F/S)

Compiled March 1990
Revised March 1992

ASE IDN/S 212A /86

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS		
1. COUNTRY	Indonesia	1. SITE OR AREA	Semarang and its environs, Java Province			1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued	
2. NAME OF STUDY	Development Plan of the Port of Semarang (Phase - 2)	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost	Foreign Cost		
3. SECTOR	Transportation/ Port	(US\$1,000)	1) 76,775	28,782	47,993	(Description) Followed by F/S	
4. REFERENCE NO.		2)					
5. TYPE OF STUDY	M/P+(F/S)	3. MAJOR PROJECT(S) PROPOSED	Long-term development plan for improvement of facilities for the target year 2005				
6. COUNTERPART AGENCY	Directorate General of Sea Communication	Item	Size				
7. OBJECTIVES OF STUDY	F/S on the long-term and short-term development plan of Semarang Port	General cargo berth	3,000 m				
8. DATE OF S/W	Dec. 1984	Container berth	280 m				
9. CONSULTANT(S)	The Overseas Coastal Area Development Institute of Japan (OCDI)	Berth for iron & steel and scrap	400 m				
10. STUDY TEAM	No. of Members 9 Period May 1985 - Aug. 1986 (16 months) Total M/M 61.15 Japan 35.6 Field 25.55	Widening and deepening of west channel					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Investigation for natural conditions 12,918,000 Yen	New center and east channel					
12. EXPENDITURE	Total 176,495 (¥000) Contracted 172,629	4. CONDITIONS AND DEVELOPMENT IMPACTS	Semarang Port will be developed as a development center in the middle Java province, and industrial and economic development of the area will be promoted.				
		5. TECHINCAL TRANSFER	Counterparts training was carried out on port planning and construction				
		2. MAJOR REASONS FOR PRESENT STATUS					
		3. PRINCIPAL SOURCES OF INFORMATION	①				

和名 スマラン港開発計画 (フェーズ II)

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

PROJECT SUMMARY (M/P + F/S)

Compiled March 1990
Revised March 1992

ASE IDN/S 212B /86

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Semarang, and its environs, Java Province		1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input checked="" type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Development Plan of the Port of Semarang (Phase - 2)	2. PROJECT COSTS	Total Cost	Local Cost		
3. SECTOR	Transportation/ Port		1) 94,938			(Description) Mar.1987 OECF E/S loan agreement (545million yen) 1987 Part of the western breakwater (part of the Phase I project) was destroyed by high waves. Dec.1987 OECF loan agreement for emergency fortification of the western breakwater (726 million yen) Nov.1989 E/S of the Phase II completed. 1990 Loan agreement (FY1991) Sep.1991 OECF loan agreement (7,530 million yen, excluding handling equipment) Nov.1991 Loan agreement for handling equipment (FY1992)
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)	(US\$1,000) 2)			
5. TYPE OF STUDY	(M/P)+F/S	Item	3)	Size		
6. COUNTERPART AGENCY	Directorate General of Sea Communication	Wharf for foreign trade(-10m, -7.5m)		345m, 100m		
7. OBJECTIVES OF STUDY	F/S on the long-term and short-term development plan of Semarang Port	Passenger terminal(-7.5m)		150m		
8. DATE OF S/W	Dec.1984	Coal wharf		(multi-purpose)		
9. CONSULTANT(S)	The Overseas Coastal Area Development Institute of Japan(OCDI)	Fertilizer wharf				
10. STUDY TEAM	No. of Members 9 Period May1985 - Aug.1986 (16 months) Total M/M 61.15 Japan 35.6 Field 25.55	Wharf for steel materials				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Investigation for natural conditions 12,918,000 Yen	(The above cost is as of May 1991. A yen credit of about 8.9 billion yen (= US\$6.4 million) has been granted by OECF.)				
12. EXPENDITURE	Total 176,495 (¥000) Contracted 172,629	Implementation Period: Mar.1988 - Oct.1990				
		4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR 28.1%	FIRR 3.8%	2. MAJOR REASONS FOR PRESENT STATUS	
		Feasibility: Yes				
		Conditions and Development Impacts: Development of regional economy of hinterland, and reduction in transportation cost.			3. PRINCIPAL SOURCES OF INFORMATION	
		5. TECHNICAL TRANSFER			①	
		Counterpart training: Counterpart training on the methods of F/S, and visits to similar ports was conducted for three counterparts.				

和名 スマラン港開発計画 (フェーズ II)

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

PROJECT SUMMARY (M/P + F/S)

Compiled March 1990
Revised March 1992

ASE IDN/S 213A/86

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	Yogyakarta, Surakarta			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 Development Project in Central Java and Jogjakarta	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	(US\$1=200Yen)			
3. SECTOR	Transportation/ Air Transportation & Airport		Total Cost	Local Cost	Foreign Cost	(Description) Followed by F/S
4. REFERENCE NO.		(US\$1,000)	1) 92,000	3,600		
5. TYPE OF STUDY	M/P+(F/S)		2) 47,000	1,300		
6. COUNTERPART AGENCY	Directorate General of Air Communication	3. MAJOR PROJECT(S) PROPOSED	Refer to F/S Form			
7. OBJECTIVES OF STUDY	Airport facilities	4. CONDITIONS AND DEVELOPMENT IMPACTS	Impacts: Trunk line network which connects several regions will be developed by improving Yogyakarta and Surakarta airports as one of transportation facilities improvement plan in Central Java region especially in the Southern area, where transport network requires improvement.			
8. DATE OF S/W	Feb.1985	5. TECHINICAL TRANSFER	(1) Demand forecast technique, seminar on using computer (2) Training on execution method of air passenger flow survey (3) Overseas training of airport planning (4) Employment of local consultants for soil/topo Survey work			
9. CONSULTANT(S)	Pacific Consultants International	12. EXPENDITURE	Total 233,054 (¥000) Contracted 221,324			
10. STUDY TEAM	No. of Members 11 Period Aug.1985 - Nov.1986 (16 months) Total M/M Japan 41.42 Field 35.70	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		2. MAJOR REASONS FOR PRESENT STATUS	Canceled due to cancelation of new project In a few years, D/E is likely to be impelmented			
12. EXPENDITURE		3. PRINCIPAL SOURCES OF INFORMATION	①			

和名 中部ジャワ・ジョグジャカルタ空港整備計画

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

PROJECT SUMMARY (M/P + F/S)

Compiled March 1990
Revised March 1992

ASE IDN/S 213B/86

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	1) Yogyakarta, 2) Surakarta			1. PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Airport Development Project in Central Java and Jogjakarta	2. PROJECT COSTS	(US\$1=200Yen) Total Cost Local Cost Foreign Cost 1) 92,000 3,600 2) 47,000 1,300 3)			
3. SECTOR	Transportation/ Air Transportation & Airport	3. CONTENTS OF MAJOR PROJECT(S)	1) Yogyakarta 2) Surakarta Runway 2,500m X 45m 390 X 45m(Extension) (New construction) Apron 41,000sq.m 20,000sq.m Passenger Terminal 12,000sq.m 7,700sq.m Air Navigation(ILS CAT-1), Supply Management facilities Systems			(Description) Suspended after the completion of F/S, and future prospects uncertain. Priority of implementation between Jogjakarta and Surakarta Airports are under discussion in the Indonesian Government, other airport projects are given higher priority.
4. REFERENCE NO.		Implementation Period:	1) 1991 - 1994 1) 1990 - 1993			
5. TYPE OF STUDY	(M/P)+F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR	2. MAJOR REASONS FOR PRESENT STATUS (1) New project has been delayed due to financial problem (2) The targeted area covers the region of military aircraft (3) Since the authorities decidedly placed higher priority on the Jakarta Airport Project, they cannot afford the proposed plan	
6. COUNTERPART AGENCY	Directorate General of Air communication	Feasibility:	1) 13.9% 2) 14.0%			
7. OBJECTIVES OF STUDY	Airport facilities	Conditions and Development Impacts:	IRR Calculation: Future traffic volume was forecast for the target year 2000 and 2010. Project life is estimated for 15 years after commencement of the construction up to 2010 Impact: Trunk line network which connects several regions will be developed by improving Yogyakarta and Surakarta airports as one of transportation facilities improvement plan in Central Java region especially in the southern area, where transport network requires improvement.			
8. DATE OF S/W	Feb.1985	10. STUDY TEAM	No. of Members 11 Period Aug.1985 - Nov.1986 (16 months) Total M/M Japan 41.42 Field 35.70			
9. CONSULTANT(S)	Pacific Consultants International	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY				
		5. TECHINICAL TRANSFER	(1) Demand forecast technique, seminar on using computer (2) Training on execution method of air passenger flow survey (3) Overseas training on airport planning (4) Employment of local Consultants for soil/topo survey work			
12. EXPENDITURE	Total 233,054 (¥'000) Contracted 221,324	3. PRINCIPAL SOURCES OF INFORMATION	①			

和名 中部ジャワ・ジョグジャカルタ空港整備計画

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

PROJECT SUMMARY (F/S)

ASE IDN/S 331/86

Compiled March 1990
Revised March 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Surabaya and Banjarmasin			1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing
2. NAME OF STUDY	Surabaya-Banjarmasin Submarine Cable Project	2. PROJECT COSTS	(US\$1=125Yen)			
3. SECTOR	Communications & Broadcasting/ Telecommunication		Total Cost	Local Cost	Foreign Cost	(Description) Jan.1987 OECF loan agreement (7,946 million yen) Detailed design undertaken by KDD. Dec.1980 Construction contract signed Feb.1991 Work completed.
4. REFERENCE NO.		(US\$1,000)	57,000	2,000	55,000	
5. TYPE OF STUDY	F/S	1)				
6. COUNTERPART AGENCY	POSTEL, PERUMTEL	2)				
7. OBJECTIVES OF STUDY	To examine technical and economical/financial Feasibilities of Surabaya-Banjarmasin submarine cable project	3)				
8. DATE OF S/W	Feb.1985	3. CONTENTS OF MAJOR PROJECT(S)	Fiber optical Cable(submarine) 390km Digital Microwave Radio System Power Supply Facilities Large 6 small 3			
9. CONSULTANT(S)	Nippon Telecommunication Consulting Co.,Ltd. Kokusai Denshin Denwa Co.,Ltd., Sanyo Hydrographic Survey Co.,Ltd.	Implementation Period:	Oct.1989 - Mar.1991			
10. STUDY TEAM	No. of Members 30 Period Dec.1985 - Aug.1986 (9 months) Total M/M 48.42 Japan 21.13 Field 27.29	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		Feasibility: Yes	18.0%			
12. EXPENDITURE	Total 247,184 (¥000) Contracted 236,165	5. TECHNICAL TRANSFER	(1) Trainee acceptance; 2 counterparts studied marine cable system (2) On the job training (PERUMTEL counterparts)			
			2. MAJOR REASONS FOR PRESENT STATUS (1) Alternative route for Kalimantan-Java (2) Digitalization and expansion of 2nd Java-Bali Route			
			3. PRINCIPAL SOURCES OF INFORMATION ①			

和名 スラバヤ-バンジャルマシン海底ケーブル建設計画

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

PROJECT SUMMARY (M/P)

Compiled March 1990
Revised March 1992

ASE IDN/S 119/87

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	Jakarta metropolitan area			1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Arterial Road System Development Study in Jakarta Metropolitan Area	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	(US\$1=130Yen) Total Cost Local Cost Foreign Cost			
3. SECTOR	Transportation/ Road	(US\$1,000)	1) 6,500			(Description) Japanese Government mission visited Indonesia in 1988 and agreed to carry out F/S. The JICA contact mission was to be sent in Feb.1989, but the formal request from the Indonesian Government was held up awaiting the adjustment between the Ministry of Public Works and the municipal government of Jakarta City and the clearance of the project's relationship with the on-going mass transit system development.
4. REFERENCE NO.		2)				
5. TYPE OF STUDY	M/P	3. MAJOR PROJECT(S) PROPOSED				
6. COUNTERPART AGENCY	Ministry of Public Works	(1) Review of bus transportation system including exclusive bus lane				
7. OBJECTIVES OF STUDY	Transport (O/D survey)	(2) Development plan to formulate east-west corridor in Jakarta				
8. DATE OF S/W	Jun.1984	(3) Plan to increase transportation capacity to north-south corridor				
9. CONSULTANT(S)	Pacific Consultants International	4. CONDITIONS AND DEVELOPMENT IMPACTS				
10. STUDY TEAM	No. of Members 15 Period Nov,1984 - Sep.1987 (35 months) Total M/M 265.66 Japan 95.19 Field 170.47	Development Impact: Mass transit development by strengthening east-west and north-south corridors				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER				
12. EXPENDITURE	Total 798,675 (¥000) Contracted 791,363	(1) JICA's training for counterpart staff on urban traffic planning (2) Ministry of Public Works employed most of the graduate students who worked for the survey				
					2. MAJOR REASONS FOR PRESENT STATUS	
					This was not included for 1989/1990 Project list.	
					3. PRINCIPAL SOURCES OF INFORMATION	
					①	

和名 ジャカルタ首都圏幹線道路網整備計画

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

PROJECT SUMMARY (M/P)

Compiled March 1990
Revised March 1992

ASE IDN/S 121/87

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS		
1. COUNTRY	Indonesia	1. SITE OR AREA	Whole country of 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	Future Demand of the Inter-Island Traffic	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost	Foreign Cost	(Description) Based on the findings of the study, the Directorate General of Air Communication (DGAC) requested to the Japanese Government a M/P study on the rehabilitation of major airports (the study is now being undertaken). Other related requests were as follows. - DGAC requested a master plan study on national telecommunication system development. - DGAC requested OECF for the study on Ujung Pandang Airport Development. - BBTP and IPTN (an Indonesian airplane manufacturer) are considering to request a study on feeder air routes.	
3. SECTOR	Transportation/ Air Transportation & Airport	(US\$1,000)	1) 800				
4. REFERENCE NO.		2)					
5. TYPE OF STUDY	M/P	3. MAJOR PROJECT(S) PROPOSED	Indonesia was divided into 7 regions (primary zones) in order to forecast inter-regional traffic demand. The main objective is to derive and present the future development project and the direction for introduction of appropriate aircraft types. To this end, a methodology was used that the primary zones were subdivided into 181 zones to make a detailed demand forecast. According to this detailed demand forecast, realistic new-air routes were extracted and incorporated with the existing air network to forecast the future air passenger traffic. At the same time, the study incorporated the study of airport facilities, air navigational system, telecommunication system as well as fundamental specifications into the analysis of demand forecast of appropriate aircraft (seat number, operational cost, airports to be used and routes distance) were carried out and fed back to the future air traffic demand forecast, taking into account the characteristics of the air routes.				
6. COUNTERPART AGENCY	Assessment and Application of Technology (BBTP)	4. CONDITIONS AND DEVELOPMENT IMPACTS	10 routes for 1994 and 10 for 2004 as the realistic new trunk routes and 13 routes for 1994 and 19 routes for 2004 as the realistic new feeder routes were selected by extracting the O-D data for passengers and cargo of major airports, local airports, trunk routes and feeder routes. It is the first time for Indonesia to conduct such a soft-ware study as this kind, and the Study was appreciated to be attributable to the development plan for an aeronautical system as a whole. Since this kind of study is essential prior to plan to develop an airport, the Study would have a great impact on the other transport system than the air. It is assumed that more soft-ware projects of this kind will be generated in future.				
7. OBJECTIVES OF STUDY	Air Transport	5. TECHINICAL TRANSFER	Counterparts of BBTP, IPTN as well as DGCA were positively asked to join in the study work in conjunction with the process of the work. It was also noted that the trainees were sent to Japan at the BBTP's expense to receive the training course, besides the JICA training. Since there are many methods for a demand forecast, being different depending on the cases, a fundamental and simple method was accented to derive an effective achievement for the trainees.				
8. DATE OF S/W	Jun. 1986	12. EXPENDITURE	Total	218,319 (¥000)			
9. CONSULTANT(S)	Nippon Koei Co., Ltd. Central Consultant Inc.		Contracted	171,077			
10. STUDY TEAM	No. of Members 11 Period Dec. 1986 - Mar. 1988 (16 months) Total M/M 61.14 Japan 14.10 Field 47.04	3. PRINCIPAL SOURCES OF INFORMATION	①				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		2. MAJOR REASONS FOR PRESENT STATUS	It has been a common practice for any developed country in the world to plan an aeronautical development under a basic plan in view of soft-ware study before carrying out development of an airport. It is assumed that there become a tendency also in Indonesia to carry out a development project under such a concept.				

和名 島嶼間交通需要予測

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

PROJECT SUMMARY (M/P)

Compiled March 1990
Revised March 1992

ASE IDN/A 103/87

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	Soybean ----- East Java Potato ----- West Java	1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Multiplication and Distribution of Improved Soybean Seed and Seed Potato	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	(US\$1=148 yen in 1987) Total Cost Local Cost Foreign Cost 1) 4,730 2) 11,486	(Description)	
3. SECTOR	Agriculture/ General	3. MAJOR PROJECT(S) PROPOSED	To reinforce followings in order to produce seeds for soybeans and potatoes 1. Fostering seed producing farmers 2. Improving seed processing and storage facilities 3. Promoting seed distribution 4. Strengthening administration system for seed multiplication and distribution 1) Field for foundation seed/registered seed 2) Seed inspection 3) Training activities (Note) Cost 1) is for soybeans and Cost 2 for potatoes	Improvement of field for foundation seeds of potatoes, as a project for grant aid program of the Japanese government, has been conducted and is completed (by Pacific Consultants International) With regard to soybean, Ministry of Agriculture of Indonesian Government is preparing for the improvement of production system of BS(foundation seed), SS(registered seed), and ES(ordinary seed) in East Java.	
4. REFERENCE NO.		4. CONDITIONS AND DEVELOPMENT IMPACTS	Conditions: 1. Pertinent organization and disposition of personnel 2. Financial assistance (Raise operating fund) 3. Administrative Coordination (Research & Administration) 4. Securing necessary land Development Impacts: 1. Increase of agricultural production and resultant increase of farmers' income by the introduction of better seeds and their stable supply (ordinary farmers and seed producing farmers) 2. Contribute to the self-sufficiency of food	2. MAJOR REASONS FOR PRESENT STATUS	
5. TYPE OF STUDY	M/P	5. TECHNICAL TRANSFER		As the result of this study, the project for potatoes started ahead soybeans. After its completion the project for modernization of soybean seed production is to start.	
6. COUNTERPART AGENCY	Crop production Bureau, Ministry of Agriculture			3. PRINCIPAL SOURCES OF INFORMATION	
7. OBJECTIVES OF STUDY	Multiplication and distribution of improved Soybean Seed and Seed Potato			①	
8. DATE OF S/W	Mar. 1987				
9. CONSULTANT(S)	Overseas Merchandise Inspection Co., Ltd.				
10. STUDY TEAM	No. of Members 6 Period Jul.1987 - Sep.1987 (3 months) Total M/M 24.24 Japan 8.49 Field 15.75				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY					
12. EXPENDITURE	Total 73,445 (¥'000) Contracted 72,458				

和名 主要食用作物生産振興計画

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

PROJECT SUMMARY (M/P)

Compiled March 1990
Revised March 1992

ASE IDN/S 120 /87

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS		
1. COUNTRY	Indonesia	1. SITE OR AREA	Two Kabupatens of Serang and Pandeglang and the Krakatau Islands of Kab.Lampung Selatan			1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Regional Development Project in the Western Part of Java	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost	Foreign Cost	(Description)	The Directorate General of Tourism(DGT) is examining the possibility of obtaining OECF financing and/or private sector investments.
3. SECTOR	Tourism/ General	(US\$1,000)	1) 7,000	6,150	850		
4. REFERENCE NO.		2) 133,700	96,600	37,100		3. MAJOR PROJECT(S) PROPOSED	
5. TYPE OF STUDY	M/P	3. MAJOR PROJECT(S) PROPOSED			Following six(6) projects were proposed as promising tourism projects for the period through 2010, (1) Old Banten Site (Priority project) (2) Tanjung Lesung Beach Resort (priority project) (3) Tropical Marine Park (4) Ujung Kulon and Krakatan Islands (5) Country Park (6) Kur Park		
6. COUNTERPART AGENCY	Development of Tourism, Post and Tele-communication, Directorate General of Tourism	4. CONDITIONS AND DEVELOPMENT IMPACTS			2. MAJOR REASONS FOR PRESENT STATUS		
7. OBJECTIVES OF STUDY	Formulation of a Master Plan of tourism projects to promote regional development	With tourism development, the region concerned is expected to receive the following beneficial effects. -Foreign exchange earning -Recreational benefits for people -Regional growth -Job opportunities and creation of Local markets -Increase purchasing power -Improvement of marketing -Improvement of infrastructures and public utilities -Others			In the original plan of Repelita V prepared by the Deptment of Tourism, the present projects is given the top priority.		
8. DATE OF S/W	Feb.1986	5. TECHINCAL TRANSFER			3. PRINCIPAL SOURCES OF INFORMATION		
9. CONSULTANT(S)	Nippon Koei Co.,Ltd. Mitsubishi Research Institute,Inc.	(1) On the job training for local counterparts (2) Training in Japan for 4 principal counterparts (3) Conduct of tourism resources survey by entrusting it to the local consultant.			①		
10. STUDY TEAM	No. of Members 12 Period Jul.1986 - Feb.1988 (20 months) Total M/M 89.94 Japan 39.66 Field 50.28						
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY							
12. EXPENDITURE	Total 273,586 (¥'000) Contracted 265,285						

和名 ジャワ西部地域開発計画

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

PROJECT SUMMARY (F/S)

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Central District of Jakarta City			1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input checked="" type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Solid Waste Management System Improvement Project in the City of Jakarta	2. PROJECT COSTS	(US\$1=1,620Rp) Total Cost Local Cost Foreign Cost 1) 46,900 12,100 (US\$1,000) 2) 3)			
3. SECTOR	Public Utilities/ Urban Sanitation	3. CONTENTS OF MAJOR PROJECT(S)	Transfer station 1,730 t/day Final disposal site 34.4 ha Vehicle repair shop 1.0 ha Improvement of collection system 1,730 ton/day			(Description) OECF has agreed to an E/S loan for FY 1990 (270 million yen). However, the site for the solid waste transfer station was reassigned for housing development. As of Dec. 1990, the city authorities of Jakarta is still looking for an alternative site for the station, delaying the start of E/S. The Engineering Services on the Jakarta Solid Waste Management System Improvement Project was started by the consultant who was employed by the Indonesian Government under the OECF Loan from December 1991. The site for the solid waste transfer station is designated in Kelurahan Sunter, North Jakarta. The site is approximately 70m width and 900m length. The solid waste final disposal site is designated in Zone 2 of Bekasi disposal site in Bander Gebang, Bekasi.
4. REFERENCE NO.		Implementation Period:	Apr.1990 - Mar.1992			
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
6. COUNTERPART AGENCY	Ministry of Public Works, Jakarta Municipality, Department of Human Settlements	Feasibility: Yes	6.3%			
7. OBJECTIVES OF STUDY	Master plan for improvement of solid waste management system, and feasibility study for the first priority project	Conditions and Development Impacts:	Conditions for IRR calculation: Decrease in transportation cost through improvement of the transfer stations was viewed as a benefit. Calculation period was 1992-2005. Development effects: Sanitary environment for the Central District of Jakarta will be improved to a great extent.			
8. DATE OF S/W	Sep.1984	5. TECHINCAL TRANSFER	(1) Training on waste disposal technology was held in Japan for four(4) counterparts. (2) Lessons were given on large drying furnace for waste quality analysis and method for waste quality analysis			
9. CONSULTANT(S)	Yachiyo Engineering Co.,Ltd. Ex Urban Planning Insitute	10. STUDY TEAM	No. of Members 13 Period Dec.1985 - Nov.1987 (24 months) Total M/M 97.93 Japan 36.90 Field 61.03			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Topographic survey analysis for specimen arrangement of equipment for collection and equipment	12. EXPENDITURE	Total 286,706 (¥000) Contracted 279,747			
		2. MAJOR REASONS FOR PRESENT STATUS				
		3. PRINCIPAL SOURCES OF INFORMATION			①	
		Although the procedures for E/S loan for fiscal year 1988 was prepared, the application was not made due to the financial situation of Indonesia. The E/S for the Project was financed under OECF Loan in fiscal year of 1990/91. E/S, LA OECF Loan IP-366 in December 1990. 271 million yen. The Ministry of Public Works is asking to get OECF loan through BAPPENAS to the Japanese Government for implementing the Project in 1992/93 fiscal year.				

PROJECT SUMMARY (M/P)

Compiled March 1990
Revised March 1992

ASE IDN/S 122/88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	Ujung Pandang City and its adjacent area, South Sulawesi		1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Ujung Pandang Area Highway Development Study	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost	
3. SECTOR	Transportation/ Urban Transportation		(US\$1,000)	1) 117,000	
4. REFERENCE NO.		3. MAJOR PROJECT(S) PROPOSED	2)		
5. TYPE OF STUDY	M/P	The study proposed a master plan for traffic control in Ujung Pandang City and the development of radial roads.		(Description) Road rehabilitation in Ujung Pandang City area was listed in project list for the loan of OECF.	
6. COUNTERPART AGENCY	Directorate General of Highways, Ministry of Public Works	4. CONDITIONS AND DEVELOPMENT IMPACTS		2. MAJOR REASONS FOR PRESENT STATUS	
7. OBJECTIVES OF STUDY	Road network development	The residential areas have been sprawling toward the outlying areas of the city, but the development of necessary infrastructure has been inadequate relative to the rapid increase of the population. The proposed project will contribute effectively to the development of residential areas. The project will also provide the functional linkages between the port, the industrial estate and the airport, thereby contributing the growth of the Ujung Pandang area.		Indonesian Government ranked low with this project.	
8. DATE OF S/W	Jun. 1987	5. TECHINICAL TRANSFER		3. PRINCIPAL SOURCES OF INFORMATION	
9. CONSULTANT(S)	Central Consultant, Inc. and Chodai Co., Ltd.	On-the-job training for the counterparts on the computerized method of traffic demand projection.		①	
10. STUDY TEAM	No. of Members 9 Period Nov. 1987 - Mar. 1989 (16 months) Total M/M 50.39 Japan 8.24 Field 42.15				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY					
12. EXPENDITURE	Total 167,217 (¥000) Contracted 160,498				

和名 ウジュンパンダン都市圏道路網整備計画

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

PROJECT SUMMARY (M/P + F/S)

Compiled March 1990
Revised March 1992

ASE IDN/S 214A/88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	Bandung city (study area of 1,771 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	Flood Control Plan of the Upper Citarum Basin	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	(US\$1=1,731Rp.) Total Cost Local Cost Foreign Cost 1) 72,868 2)		
3. SECTOR	Social Infrastructures/ River & Erosion Control	3. MAJOR PROJECT(S) PROPOSED	1) Long-term river improvement plan targeting the year 2005 - for 61km reaches from Krung Jompong to the upper most of the flood plain - for the design flood of 20-year probability - by dredging the existing channel, construction of cut-off channels, etc. 2) Flood plain management (non-structural measures) - land use regulation, establishment of flood forecasting and warning system		(Description) A feasibility study was subsequently conducted on the urgent projects.
4. REFERENCE NO.		4. CONDITIONS AND DEVELOPMENT IMPACTS	Most of the flood damages on the buildings, properties, crops, etc. in the potential flood plain of about 7,000ha will be eliminated.		
5. TYPE OF STUDY	M/P+(F/S)	5. TECHNICAL TRANSFER	1) Participation of 3 counterparts in the JICA training program 2) OJT and a seminar		
6. COUNTERPART AGENCY	Directorate of Rivers (DOR), Directorate General of Water Resource Development (DGRD)	3. PRINCIPAL SOURCES OF INFORMATION	①		
7. OBJECTIVES OF STUDY	Formulation of a master plan through 2005 and identification and evaluation of urgent flood control projects	2. MAJOR REASONS FOR PRESENT STATUS			
8. DATE OF S/W	Dec.1986	10. STUDY TEAM	No. of Members 11 Period May1987 - Dec.1988 (20 months) Total M/M 57.44 Japan 17.13 Field 40.31		
9. CONSULTANT(S)	Pacific Consultants International	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Geological survey Installation of hydrological meters		
12. EXPENDITURE	Total 203,741 (Y'000) Contracted 187,711				

和名 ナタルム川上流域洪水防御計画

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

PROJECT SUMMARY (M/P + F/S)

Compiled March 1990
Revised March 1992

ASE IDN/S 214B /88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Bandung City (study area of 1,771 sq.km)			1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input checked="" type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Flood Control Plan of the Upper Citarum Basin	2. PROJECT COSTS	Total Cost	Local Cost	Foreign Cost	
3. SECTOR	Social Infrastructures/ River & Erosion Control	(US\$1,000)	1) 49,224	2) 13,527	3) 35,697	(Description) Dec. 1990 OECF loan agreed. Jul. 1991 D/D started.
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)	Proposed urgent flood control measures: 1) Dredging of the river 2) Construction of cut-off channel 3) Revetment of river banks 4) Bridges (new construction and fortification) 5) Maintenance roads 6) Introduction of the flood forecasting and early warning system			
5. TYPE OF STUDY	(M/P)+F/S	Implementation Period:	1990 - 1995			
6. COUNTERPART AGENCY	Directorate of Rivers(DOR), Directorate General of Water Resource Development (DGWRD)	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
7. OBJECTIVES OF STUDY	Formulation of a master plan through 2005 and identification and evaluation of urgent flood control projects	Feasibility:	14.1%			
8. DATE OF S/W	Dec.1986	Conditions and Development Impacts:	Conditions: 1) Project life of 50 years 2) Opportunity cost of capital at 10%			
9. CONSULTANT(S)	Pacific Consultants International	Socio-economic impacts:	1) The project will reduce the damages in the area of 4,090 ha and protect 19,300 houses entirely from floods and 24,100 houses partly from the flooding. 2) Most of the road system will be protected from floods. 3) Average annual flood damage reduction of US\$8.0 million.			
10. STUDY TEAM	No. of Members 11 Period May1987 - Dec.1988 (20 months) Total M/M 57.44 Japan 17.13 Field 40.31	Note: B/C ratio of 1.44 and NPV of Rp.26.9 billion				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Geological survey Installation of hydrological meters	5. TECHNICAL TRANSFER	1) Participation of 3 counterparts in the JICA training program 2) OJT and a seminar			
12. EXPENDITURE	Total 203,741 (¥000) Contracted 187,711					
		2. MAJOR REASONS FOR PRESENT STATUS				
		3. PRINCIPAL SOURCES OF INFORMATION			①	

和名 チタルム川上流域洪水防御計画

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

PROJECT SUMMARY (F/S)

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																
1. COUNTRY	Indonesia	1. SITE OR AREA	Three beaches of the southern coast of Bali Island		1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input checked="" type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled															
2. NAME OF STUDY	Urgent Bali Beach Conservation Project	2. PROJECT COSTS	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1)</td> <td>44,655</td> <td>10,586</td> <td>34,089</td> </tr> <tr> <td>2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	1)	44,655	10,586	34,089	2)				3)		
	Total Cost	Local Cost	Foreign Cost																	
1)	44,655	10,586	34,089																	
2)																				
3)																				
3. SECTOR	Social Infrastructures/ River & Erosion Control	3. CONTENTS OF MAJOR PROJECT(S)	1) Artificial beach reinforcement with the width ranging from 30 to 50m, requiring 1.46 million cu.m of sand for three beaches 2) Construction of jetties (total length of 2,940m) 3) Construction of detached breakwaters (length of 300m) 4) Construction of submerged breakwaters (length of 12,500m)		(Description) DGWRD and the OECF mission signed the M/M of the loan in April 1990. 327.7 million yen (approx. US\$2.26 million) of the loan will be used for the D/D study. 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.															
4. REFERENCE NO.		Implementation Period:	Jan.1990 - Dec.1994																	
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR FIRR 27.8%																	
6. COUNTERPART AGENCY	Directorate of Rivers, Directorate General of Water Resource Development (DGWRD)	Feasibility:																		
7. OBJECTIVES OF STUDY	Protection from Beach Erosion	Conditions and Development Impacts:																		
8. DATE OF S/W	Oct.1987	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) Presevation of natural environment and traditional, cultural assets under the construction																	
9. CONSULTANT(S)	INA Civic Engineering Consultants Co., Ltd. and PCI consortium	Impacts:	The project will contribute to the increase of tourists from abroad and thereby increase foreign exchange earnings.																	
10. STUDY TEAM	No. of Members 13 Period Jan.1988 - Mar.1989 (15 months) Total M/M 54.88 Japan 23.29 Field 31.59	5. TECHINCAL TRANSFER	Seminars on beach conservation (at Bali and Bandung in Nov. 1988)																	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	maritime survey; depth survey; shoreline survey; survey of sea and river sand as materials for beach reinforcement	3. PRINCIPAL SOURCES OF INFORMATION	①																	
12. EXPENDITURE	Total 218,930 (¥'000) Contracted 205,864	2. MAJOR REASONS FOR PRESENT STATUS	Detailed design stage is now implementing.																	

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1992

ASE IDNS 335/88

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		1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled														
2. NAME OF STUDY	Disaster Prevention Project in the Southeastern Slope of Mt. Galunggung	2. PROJECT COSTS	<table border="1"> <tr> <td></td> <td>Total Cost</td> <td>Local Cost</td> <td>Foreign Cost</td> </tr> <tr> <td>1)</td> <td>66,205</td> <td>30,591</td> <td>35,614</td> </tr> <tr> <td>(US\$1,000) 2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </table>					Total Cost	Local Cost	Foreign Cost	1)	66,205	30,591	35,614	(US\$1,000) 2)				3)	
	Total Cost	Local Cost	Foreign Cost																	
1)	66,205	30,591	35,614																	
(US\$1,000) 2)																				
3)																				
3. SECTOR	Social Infrastructures/ River & Erosion Control	3. CONTENTS OF MAJOR PROJECT(S)	1) Maintenance of sand pockets (as expansion of the height of wall for existing 12km long sand pocket) 2) Stabilization of river channels within the sand pockets (to construct for 12km expansion of the existing dike) 3) Construction of 34 Sabo dams in the southern slope 4) Drainage works for the crater lake (to construct new 2m 700m long tunnel) 5) Establishment of the early warning and evacuation system		(Description) DGWRD is considering the possible application for OECF financing. 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.															
4. REFERENCE NO.		Implementation Period:	1st phase 5 years 2nd phase 5 years																	
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR																
6. COUNTERPART AGENCY	Directorate General of Water Resource Development	Feasibility:	10.9%																	
7. OBJECTIVES OF STUDY		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.																	
8. DATE OF S/W	Mar. 1987	5. TECHINCAL TRANSFER	OUT on river and erosion control																	
9. CONSULTANT(S)	Yachiyo Engineering Co., Ltd.																			
10. STUDY TEAM	No. of Members 12 Period Jun. 1987 - Nov. 1988 (18 months) Total M/M 76.28 Japan 34.32 Field 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	Total 238,944 (¥000) Contracted																			
		2. MAJOR REASONS FOR PRESENT STATUS																		
		3. PRINCIPAL SOURCES OF INFORMATION	①																	

和名 ガルンゴン火山防災計画

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

PROJECT SUMMARY (F/S)

ASE IDNS 334/88

Compiled March 1990
Revised March 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Ocean Area between Kalimantan and Sulawesi in regard to the Submarine Cable Construction Project		1. PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Kalimantan-Sulawesi Submarine Cable System	2. PROJECT COSTS	Total Cost	Local Cost	
3. SECTOR	Communications & Broadcasting/ Telecommunication	(US\$1,000)	1) 92,000	2) 3)	
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)	-The Phase 1 study of the Kalimantan-Sulawesi Submarine Cable Project was done from August to November 1987 by JICA Study Team. The final report was submitted to the Indonesian Government on June 1988. -The Phase 2 study of the Kalimantan-Sulawesi Submarine Cable Project was aimed at confirming the availability of planned route by the ocean survey and at surveying both landing sites (Takisung, Kalimantan and Bonto Marannu, Sulawesi) precisely.		
5. TYPE OF STUDY	F/S	Implementation Period:	1989 - 1993		
6. COUNTERPART AGENCY	Directorate General of Posts and Telecommunication (POSTEL) Perum, Telekomunikasi Headquarters (PERUMTEL)	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR	
7. OBJECTIVES OF STUDY	Execution of Ocean Survey (Phase 2) based on S/W and study Results of Phase 1 of this project	Feasibility:	20.08%	18.14%	
8. DATE OF S/W	Mar. 1987	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		
9. CONSULTANT(S)	Sanyo Hydrographic Survey Co., Ltd. (SHS)	5. TECHINCAL TRANSFER			
10. STUDY TEAM	No. of Members 21 Period Aug. 1987 - Oct. 1988 (15 months) Total M/M 64.2 Japan 42.6 Field 21.6	12. EXPENDITURE	Total	286,857 (¥000)	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		Contracted	278,840		
					2. MAJOR REASONS FOR PRESENT STATUS
					(1) Effectiveness (2) High priority
					3. PRINCIPAL SOURCES OF INFORMATION
					①

和名 カリマンタン-スラウェシ海底ケーブル建設計画 (フェーズI及びII)

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

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1992

ASE IDN/S 336/88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Jakarta City		1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Implementation of Intra-City Digital Microwave Subscriber System	2. PROJECT COSTS	Total Cost	Local Cost		
3. SECTOR	Communications & Broadcasting/ Telecommunication	(US\$1,000)	1) 20,000			(Description) The purpose of this project is to install lines from telephone office to subscribers as early as possible. After the study, cable expansion project financed by World Bank made rapid progress for implementation and also developers of building/estates had a tendency to install necessary telephone facilities by themselves. In this situation, request of yen loan for this project is currently reviewed by Indonesian Government. Anyway, in areas where cable construction work is difficult or impossible this project is very effective. So, it is necessary to review the areas to be applied considering the progress of other projects.
4. REFERENCE NO.		2)				
5. TYPE OF STUDY	F/S	3)				
6. COUNTERPART AGENCY	Directorate General of Post and Telecommunications	3. CONTENTS OF MAJOR PROJECT(S)	1) Installation of P-MP type and P-P type digital microwave telephone equipment in subscriber stations and base stations. 2) Establishment of a new maintenance system			
7. OBJECTIVES OF STUDY		Implementation Period:	Jan.1989 - Dec.1994			
8. DATE OF S/W	Nov.1987	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
9. CONSULTANT(S)	NTT International Corporation	Feasibility:	Yes			
10. STUDY TEAM	No. of Members 7 Period Mar.1988 - Jan.1989 (11 months) Total M/M 48.7 Japan 23.8 Field 24.9	Conditions and Development Impacts:	<ul style="list-style-type: none"> - The digital microwave subscriber system will service high-density users housed in multi-story buildings in the CBD of Jakarta. - The system will be able to provide high-quality service to the high-density demand. - 50% of the waiting applications (as of 1989) for all subscriber stations will be serviced by the system. - The system will improve 1,500 mal-functioning circuits. - The system will secure the emergency communication system for important subscriber stations. - The system will facilitate the activation of business activities - The system will be able to respond to contingent/emergency circuits. 			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINICAL TRANSFER	OJT on digital microwave transmission and demand projection			
12. EXPENDITURE	Total 121,796 (¥000) Contracted 116,438				2. MAJOR REASONS FOR PRESENT STATUS	
					Influenced by the progress of other projects and the change of other circumstances, request of yen loan is delayed. Under the latest circumstances, review of applicable area to this project is necessary.	
					3. PRINCIPAL SOURCES OF INFORMATION	
					①	

和名 都市加入者マイクロ波網整備計画

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

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1992

ASE IDN/A 310/88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Tambusai District, Kampar Regency, Riau Province, Sumatra Island		1. PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Batang Kumu Irrigation Project in Riau Province	2. PROJECT COSTS	Total Cost	Local Cost	
3. SECTOR	Agriculture/ General		43,000	18,600	2. MAJOR REASONS FOR PRESENT STATUS To promote the transmigration scheme and to keep self-sufficiency of rice in national level.
4. REFERENCE NO.					
5. TYPE OF STUDY	F/S	3. CONTENTS OF MAJOR PROJECT(S)	Foreign Cost	23,900	5. TECHINCAL TRANSFER (1) On the Job Training (2) Overseas Training
6. COUNTERPART AGENCY	Directorate General of Water Resources Development, Ministry of Public Works	Wet season paddy: 7,300 ha Dry season paddy: 3,100 ha Upland crops in dry season: 2,700 ha The following facilities will be constructed to attain the foregoing target. Head work: W=50m, H=5.5m Flood gate: 14m x 3 nos Head reach: 2.6 km Main canal: 25.6 km Secondary canal: 50.1 km Secondary drainage canal: 56.5 km Tertiary canal: 486 km Tertiary drain: 102 km, Farm road: 146 km			
7. OBJECTIVES OF STUDY	F/S	Implementation Period: 1992 - 1996			Total 212,093 (¥'000) Contracted 171,000
8. DATE OF S/W	Nov. 1984	4. FEASIBILITY AND ITS ASSUMPTIONS			
9. CONSULTANT(S)	Japan Irrigation and Reclamation Consultants Co., Ltd. (JIRCO)	EIRR 12.7% FIRR Feasibility: Yes Conditions and Development Impacts: It is expected that the project will stabilize the regional economy in the project area including transmigration area settled since 1981, by introducing irrigation facilities and will also support the transmigration program and regional development in the province. In addition, the project will contribute to the increase of self-sufficiency of rice in the province.			
10. STUDY TEAM	No. of Members 18 Period Jun. 1985 - Mar. 1986 (6 months) May. 1988 - Jan. 1989 (8 months) Total M/M 56.00 Japan 22.00 Field 34.00				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Topographic Survey Geological Survey				

和名 バタンクム農業開発計画

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

PROJECT SUMMARY (M/P)

Compiled March 1991
Revised March 1992

ASE IDN/S 125 /89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE 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. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost Foreign Cost	
3. SECTOR	Development Plan/ Integrated Regional Development Plan	(US\$1,000)	1) 3,069,000	2)	(Description) Indonesian government's enthusiasm about this study is clearly indicated by its request to extend the identification of priority projects by seven months so that the study's outcome can be fully utilized to formulate Repelita V (the Fifth 5-Year Development Plan). They have particularly appreciated the Integrated Development Programs since shortcomings of the conventional sectoral approach have become widely recognized in Indonesia. The Ministries of Public Works and Home Affairs, BAPPENAS and the provincial governments will cooperate to implement the programs and other projects. BAPPENAS has already started to contract such donors as ADB, Islamic Development Bank, USAID and Italy in an effort to promote some of the projects identified in the study.
4. REFERENCE NO.		3. MAJOR PROJECT(S) PROPOSED	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.		
5. TYPE OF STUDY	M/P		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)		
6. COUNTERPART AGENCY	Directorate General of Human Settlements, Ministry of Public Works	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		
7. OBJECTIVES OF STUDY	Long-term planning (1989-2008) and preparatory study of priority projects	5. TECHINICAL 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.		
8. DATE OF S/W	Jan. 1988				
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) Total M/M 130.73 Japan 9.90 Field 120.83				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Complication of land use maps				
12. EXPENDITURE	Total 428,345 (Y'000) Contracted 427,744				
			2. MAJOR REASONS FOR PRESENT STATUS (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 SOURCES OF INFORMATION (1)		

和名 北部スマトラ地域総合開発計画

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

PROJECT SUMMARY (M/P)

Compiled March 1991
Revised March 1992

ASE IDN/A 104/89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE 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. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost	Foreign Cost	
3. SECTOR	Agriculture/ General	(US\$1,000)	1) 215,000			(Description) Technical Assistance for the Negara Pilot project will be requested to Japanese Government
4. REFERENCE NO.		2)				
5. TYPE OF STUDY	M/P	3. MAJOR PROJECT(S) PROPOSED	<ul style="list-style-type: none"> - Negara Pilot Project - Negara Irrigation and Drainage Improvement Project - Upper Negara Agricultural Development Project - Lower Negara Agricultural Development Project 			
6. COUNTERPART AGENCY	Directorate General of Water Resources Development, Ministry of Public Works	4. CONDITIONS AND DEVELOPMENT IMPACTS	<p>The completion of the proposed four projects would enable the annual paddy production of 880,000 tons, and this amount would satisfy the projected production (815,600 tons in 2018) required in the Study Area.</p> <p>In addition, those projects are expected to contribute to foreign currency saving of about US\$76 million and export earnings of US\$39 million.</p>			
7. OBJECTIVES OF STUDY	Formulation of the development strategy in Negara River Basin, South Kalimantan	5. TECHNICAL TRANSFER	Technology transfer to the counterparts in the course of the study.			
8. DATE OF S/W	Jul. 1987					
9. CONSULTANT(S)	Nippon Koei Co., Ltd. Japan Irrigation and Reclamation Consultants Co., Ltd.					
10. STUDY TEAM	No. of Members 10 Period Mar. 1988 - Jul. 1989 (13 months) Total M/M 74.57 Japan 28.90 Field 45.62					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Cost of equipment for water level measurement					
12. EXPENDITURE	Total 212,021 (¥000) Contracted 172,248					
					2. MAJOR REASONS FOR PRESENT STATUS	
					3. PRINCIPAL SOURCES OF INFORMATION	
					①	

和名 ネガラ河下流域かんがい開発計画

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

PROJECT SUMMARY (M/P)

ASE IDN/A 105/89

Compiled March 1991
Revised March 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS		
1. COUNTRY	Indonesia	1. SITE OR AREA	Java Barat, Java Timur, Lampung and Sulawesi Selatan Provinces			1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Improvement of Rice Post Harvest and Marketing in Farmer Groups	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost	Foreign Cost	(Description) Unknown (M/P has just finished in 1990)	
3. SECTOR	Agriculture/ Agricultural Processing	(US\$1,000)	210,000		210,000		
4. REFERENCE NO.		3. MAJOR PROJECT(S) PROPOSED	Pilot Plans				
5. TYPE OF STUDY	M/P	1. Location (desa)	Telagasari Cadas Kertajaya	Bagor Selorejo	Mattiro Bulu Marannu		Trimurjo Purwodadi
6. COUNTERPART AGENCY	Directorate General of Food Crops Agriculture, Ministry of Agriculture (DGPCA)	2. Paddy field (ha)	119	109	105		157
7. OBJECTIVES OF STUDY	Formulation of the Pilot Plan of Rice-Post Harvest and Marketing in Farmer Group	3. Nos. of Farm Family	172	363	87		254
8. DATE OF S/W	Jun. 1988	4. Cropping Intensity					
9. CONSULTANT(S)	Nippon Koei Co., Ltd.	Wet season	100%	90%	100%		100%
10. STUDY TEAM	No. of Members 6 Period Nov. 1988 - Oct. 1989 (12 months) Total M/M 29.05 Japan Field 17.96	Dry season	100%	80%	70%		100%
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	None	4. CONDITIONS AND DEVELOPMENT IMPACTS	Conditions: 1. Financial Support by the Government 2. Intensive Investment in Farm Roads and Drainage Canals Development Impacts: After the implementation of the pilot plan, harvesting and processing losses will be reduced considerably through improvement of post harvest activities. Harvesting cost will also be reduced significantly by the introduction of improved harvesting system i.e. reaping by organized laborers under cash payment system and effective threshing works by pedal and power threshers through farmer groups' custom service.				2. MAJOR REASONS FOR PRESENT STATUS
12. EXPENDITURE	Total 85,077 (¥'000) Contracted 80,374	5. TECHINCAL TRANSFER	Technology transfer to counterparts in the course of the study.			3. PRINCIPAL SOURCES OF INFORMATION	
						①	

和名 収穫後処理及び流通改善計画

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

PROJECT SUMMARY (M/P + F/S)

Compiled March 1991
Revised March 1992

ASE IDN/S 215A /89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA			1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Kemayoran Urban Housing Development Project	Within ex-airport project site: 133 hectare Outside ex-airport project site: 4 sites 19 hectare				
3. SECTOR	Social Infrastructures/ Urban Planning & Land Development	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost	(Description) * Indonesian side commenced the construction in 1989 by their own finance in the ex-airport site. Housing development will be commenced after April, 1990 on 133 ha. starting by Perumnas. * Case Study of Sites A and B located in the ex-airport site will be implemented in 1990 in accordance with the results of this study. * Indonesian side is now considering the implementation of Case Study of Sites C, D, E and F. In particular Site F is feasible to implement if the proposed renewal method is applied.	
4. REFERENCE NO.		(US\$1,000)	1) 71,690	71,690		
5. TYPE OF STUDY	M/P+(F/S)		2)			
6. COUNTERPART AGENCY	Directorate General of Human Settlements Ministry of Public Works	3. MAJOR PROJECT(S) PROPOSED				
7. OBJECTIVES OF STUDY	Conduct of Feasibility Study on Urban Housing and Urban Renewal	(1) Housing Development Plan within ex-airport area (a) for low income group (b) for general use (totalled to 14,500 units) (c) for urban amenities (2) Housing renewal plan in neighborhood area of ex-airport (3) Development of methodology of urban renewal				
8. DATE OF S/W	Apr. 1988	4. CONDITIONS AND DEVELOPMENT IMPACTS				
9. CONSULTANT(S)	Yachiyo Engineering Co., Ltd. JCP Co., Ltd.	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				
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 sound.	5. TECHINCAL TRANSFER				
12. EXPENDITURE	Total 267,007 (¥000) Contracted 246,728	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				
					2. MAJOR REASONS FOR PRESENT STATUS	
					3. PRINCIPAL SOURCES OF INFORMATION	①

和名 クマヨラン地区都市・住宅再開発計画

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

PROJECT SUMMARY (M/P + F/S)

Compiled March 1991
Revised March 1992

ASE IDNS 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 checked="" type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Kemayoran Urban Housing Development Project	2. PROJECT COSTS	Total Cost	Local Cost		
3. SECTOR	Social Infrastructures/ Urban Planning & Land Development		(US\$1,000) 1) 71,690	2) 71,690	3)	(Description) * Indonesian side commenced the construction since 1989 by their own finance in the ex-airport site. Housing development will be commenced after April, 1990 on 133 ha. starting by Perumnas (Indonesian Housing Cooperation). * Case Study of Sites A and B located in the ex-airport site will be implemented in 1990 in accordance with the results of this study. * Indonesian side is now considering the implementation of Case Study of Sites C, D, E and F. In particular Site F is feasible to implement if the studied renewal method is applied. (Site F is considered to be implemented by joint method of the improvement of housing area and preparation of the land in good condition. Indonesian side shows a great interest.)
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)	* Development of 14,500 housing units and neighborhood facilities 133 ha. a part of ex-airport development project site. 133 ha. Includes 30 áha. of Case Study Sites A and B for mainly low income group housing site. * Housing renewal on total 19 ha. of Case Study Sites C, D, E and F. These sites are located in the vicinity of the ex-airport.			
5. TYPE OF STUDY	(M/P)+F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	BIRR	FIRR	19%	
6. COUNTERPART AGENCY	Directorate General of Human Settlements Ministry of Public Works	Feasibility:	Conditions and Development Impacts: 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.			
7. OBJECTIVES OF STUDY	Conduct of Feasibility Study on Urban Housing and Urban Renewal	5. TECHINICAL TRANSFER	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			
8. DATE OF S/W	Apr. 1988	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			
9. CONSULTANT(S)	Yachiyo Engineering Co., Ltd. JCP Co., Ltd.	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	(1) Detailed Survey of existing physical & socio-economic conditions. (2) Four editions of slides synchronized with sound.			
12. EXPENDITURE	Total 267,007 (¥'000) Contracted 246,728	12. EXPENDITURE	2. MAJOR REASONS FOR PRESENT STATUS 3. PRINCIPAL SOURCES OF INFORMATION ①			

和名 クマヨラン地区都市・住宅再開発計画

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

PROJECT SUMMARY (M/P + F/S)

Compiled March 1991
Revised March 1992

ASE IDNS 216A /89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	Throughout 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	Integrated Radio and Television Servicing System Project	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost	Foreign Cost	
3. SECTOR	Communications & Broadcasting/ Broadcasting	(US\$1,000)	1) 155,071	26,108	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, several Projects as mentioned below are under implementation: (1) Rehabilitation of Radio and Television Network (Phase-I): Japanese Loan (7,478MY), 1990 L/A, now under progress. (2) Phase-II Project of the same title is also being planned in the Japanese Loan Projects for the fiscal year of 1992/93. (3) In addition to above Projects, two Projects within the Repelita V financed by UK and Austria are now under implementation. (As of Dec. 1991) By implementing these Projects, it is expected that urgently required improvement for the radio and television network facilities including establishment of three maintenance centers will be greatly advanced.
4. REFERENCE NO.		3. MAJOR PROJECT(S) PROPOSED	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)			
5. TYPE OF STUDY	M/P+(F/S)	4. CONDITIONS AND DEVELOPMENT IMPACTS	Indonesia's national broadcasting services are confronted by many difficult problems to be solved. In order that the broadcasting may carry out the mission assigned to it, it is most essential for the broadcasting organizations to deliver services of richer content and higher quality in such a way that they can be enjoyed fully by the people throughout the country. And at the same time, the broadcasting organizations should continue to be the kind of entities that deserve high trust and support of the people. When these projects are carried out, the following effects may be expected and based on such a well-established system, Indonesia's broadcasting can be expected to take another great leap toward its ultimate goals set for the year 2000 and beyond. (1) Restoration and maintenance of broadcasting functions and increase of broadcasting service by establishment of maintenance system (2) Qualitative and quantitative improvement of broadcasting network (3) Enrichment of broadcast programme (4) Achievement of efficient management and financial stability			
6. COUNTERPART AGENCY	RTF, Ministry of Information	5. TECHINCAL TRANSFER	Technical and Management tranfer are done in the following items. (1) Measurement of Field Strength (2) Organization and Management of broadcasting stations (3) Programme Transmission by Satellite etc. And Personal Training in Japan was done in November,1989 to transfer the analysis technic of Study Result. (2persons)			
7. OBJECTIVES OF STUDY	Reviewing of the existing long-term plan covering Repelita V and Repelita VI formulated by JICA in 1984	12. EXPENDITURE	Total 154,474 (¥'000) Contracted 142,842			
8. DATE OF S/W	Nov.1988	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY				
9. CONSULTANT(S)	All JAPAN Radio & Television Engineering Services Co., Ltd. Yachiyo Engineering Co., Ltd.	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 in connection with previous loan projects relating to broadcasting in 1970s.			
10. STUDY TEAM	No. of Members 18 Period Apr.1989 - Mar.1990 (12 months) Total M/M 44.53 Japan 14.31 Field 30.22	3. PRINCIPAL SOURCES OF INFORMATION	①			

和名 ラジオ・テレビ放送総合開発計画

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

PROJECT SUMMARY (M/P + F/S)

ASE IDN/S 216B /89

Compiled March 1991
Revised March 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT													
1. COUNTRY	Indonesia	1. SITE OR AREA	Throughout Indonesia			1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input checked="" type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled												
2. NAME OF STUDY	Integrated Radio and Television Servicing System Project	2. PROJECT COSTS	Total Cost	Local Cost	Foreign Cost													
3. SECTOR	Communications & Broadcasting/ Broadcasting	(US\$1,000)	1) 60,721	2) 4,402	3) 56,319	(Description) 1. OECF Loan Project application already admitted. Project Title: Rehabilitation of Radio and Television Network (Phase-I) OECF L/A: Dec. 1990, Loan Amount: 7,478MY 2. Phase-II Project of the same title is also being planned in the Japanese Loan Projects for the fiscal year of 1992/93, to complete above-mentioned Rehabilitation Project. 3. Relations between Study Results and Projects <table border="1"> <thead> <tr> <th></th> <th>Contents of Study Report</th> <th>Outline of on-going Projects</th> </tr> </thead> <tbody> <tr> <td>Site</td> <td>Whole country</td> <td>Whole Country</td> </tr> <tr> <td>Contents of Project</td> <td>Construction and improvement of the broadcasting facilities (as described in 3.)</td> <td>-Establishment of Maintenance Centers -Rehabilitation of studio and transmitting station facilities for R & TV</td> </tr> <tr> <td>Total project cost</td> <td>60,721 Th.S (89/90 - 93/94)</td> <td>Phase-I -Total project cost 50,570 Th.S (US\$1 - ¥145) (Local cost 15,850 Th.S included) -Loan amount 51,570 Th.S</td> </tr> </tbody> </table>		Contents of Study Report	Outline of on-going Projects	Site	Whole country	Whole Country	Contents of Project	Construction and improvement of the broadcasting facilities (as described in 3.)	-Establishment of Maintenance Centers -Rehabilitation of studio and transmitting station facilities for R & TV	Total project cost	60,721 Th.S (89/90 - 93/94)	Phase-I -Total project cost 50,570 Th.S (US\$1 - ¥145) (Local cost 15,850 Th.S included) -Loan amount 51,570 Th.S
	Contents of Study Report	Outline of on-going Projects																
Site	Whole country	Whole Country																
Contents of Project	Construction and improvement of the broadcasting facilities (as described in 3.)	-Establishment of Maintenance Centers -Rehabilitation of studio and transmitting station facilities for R & TV																
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4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(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) Additional Construction of MW Facilities at SW-only stations (5 stations) (6) Rehabilitation of studies at Regional Radio Stations (4 stations)															
5. TYPE OF STUDY	(M/P)+F/S	Implementation Period:	1992-1994															
6. COUNTERPART AGENCY	RTF, Ministry of Information	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR														
7. OBJECTIVES OF STUDY	Feasibility Study Covering Repelita V	Feasibility:	11.7%															
8. DATE OF S/W	Nov. 1988	Conditions and Development Impacts:	The major objectives of this plan are recovery of the deteriorated functions of broadcasting in Indonesia and arrangement of the structure to maintain it, expanding a stable medium-wave broadcasting network and eventually achieving wholesome management and operation in broadcasting that focuses on audience servicing. 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.															
9. CONSULTANT(S)	All JAPAN Radio & Television Engineering Services Co., Ltd. Yachiyo Engineering Co., Ltd.	5. TECHNICAL TRANSFER	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 Personal Training in Japan was done in November, 1989 to transfer the analysis technique of Study Result. (2persons)															
10. STUDY TEAM	No. of Members 18 Period Apr. 1989 - Mar. 1990 (12 months) Total M/M 44.53 Japan 14.31 Field 30.22	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY																
12. EXPENDITURE	Total 154,474 (¥000) Contracted 142,842	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 SOURCES OF INFORMATION	①															

和名 ラジオ・テレビ放送総合開発計画

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

PROJECT SUMMARY (F/S)

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT																
1. COUNTRY	Indonesia	1. SITE OR AREA	Route area between Cikampek-Cirebon and surrounding area			1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input checked="" type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled															
2. NAME OF STUDY	Cikampek-Cirebon Tollway Project	2. PROJECT COSTS	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1) (US\$1,000)</td> <td>510,000</td> <td>299,000</td> <td>211,000</td> </tr> <tr> <td>2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					Total Cost	Local Cost	Foreign Cost	1) (US\$1,000)	510,000	299,000	211,000	2)				3)		
	Total Cost	Local Cost	Foreign Cost																		
1) (US\$1,000)	510,000	299,000	211,000																		
2)																					
3)																					
3. SECTOR	Transportation/ Road	3. CONTENTS OF MAJOR PROJECT(S)	Construction of tollway between Cikampek-Cirebon extending about 140 km in length (1) Initial 4 lanes (1,000 US\$) 435,000 (2) Additional 2 lanes (1,000 US\$) 75,000 Total 510,000			(Description) The Indonesian government requested in Feb. 1991 OECF financing, but did not obtain it. The government received loan from IBRD and the project (F/S) is planned to start in Aug. 1992. The Project is planned to be implemented on BOT schedule.															
4. REFERENCE NO.		4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR 32.28% FIRR 23.80% Feasibility: Conditions and Development Impacts: The quantified economic benefits which would be realized as the saving in travel costs when comparing the "with" and "without" cases. The saving in travel costs comprises the saving in operating cost and time cost. From the qualitative point of view, the incentive development impacts is expected for the area surrounding interchange (i.e. Cikampek, Subang, Cirebon and etc.). In particular, Cirebon is a coastal city with a high potential for development.																		
5. TYPE OF STUDY	F/S	5. TECHINCAL TRANSFER	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.																		
6. COUNTERPART AGENCY	Bina Marga Jisa Marga																				
7. OBJECTIVES OF STUDY	To determine feasibility of constructing tollway																				
8. DATE OF S/W	Mar. 1988																				
9. CONSULTANT(S)	Pacific Consultant International Yachiyo Engineering Pasco International																				
10. STUDY TEAM	No. of Members 19 Period Sep. 1988 - Mar. 1990 (21 months) Total M/M 79.09 Japan 14.20 Field 64.89																				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Topographic mapping work																				
12. EXPENDITURE	Total 395,190 (¥000) Contracted 383,604																				
		2. MAJOR REASONS FOR PRESENT STATUS																			
		3. PRINCIPAL SOURCES OF INFORMATION	①																		

PROJECT SUMMARY (F/S)

ASE IDN/A 311/89

Compiled March 1991
Revised March 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Benakat Area in South Sumatra Province		
2. NAME OF STUDY	Industrial Plantation Forest Development Plan in South Sumatra Area	2. PROJECT COSTS	US\$1=1,780Rp.		
3. SECTOR	Forestry/ Forestry & Forest Conservation		Total Cost	Local Cost	Foreign Cost
4. REFERENCE NO.			1) 32,742	12,454	20,288
5. TYPE OF STUDY	F/S		2)		
6. COUNTERPART AGENCY	Ministry of Forestry	3. CONTENTS OF MAJOR PROJECT(S)	3)		
7. OBJECTIVES OF STUDY	This feasibility study is prepared to clarify the financial and economic feasibility of this plan in order to contribute to the promotion of industrial plantation development and the improvement of the planning capability.	Study Area : Approximately 50,000 ha Operation site : Approximately 43,000 ha Planting site : Approximately 27,000 ha Planting species : A.mangium and other 2 species (Short rotation : 8 years), P.canescens and other 2 species (Long rotation : 20 years, 35 years) Nurseries and offices : 3 places, 9.5ha Forest road : Approximately 560 km in length			
8. DATE OF S/W	Mar.1988	Implementation Period:	43 years after the initiation of this project		
9. CONSULTANT(S)	Japan Forest Technical Association	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR	
10. STUDY TEAM	No. of Members 9 Period Nov.1988 - Mar.1990 (17 months) Total M/M 69.49 Japan 38.19 Field 31.30	Feasibility:	14.31%	9.45%	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Preparation of topographic maps and cartographic works on thematic maps	Conditions and Development Impacts: Precondition : Planting will be completed in 8 years with mechanical afforestation method based on the results of Project-type technical cooperation in this area. (considering the rotation of planting trees, security of labour force and need of early forestation in grasslands) Development Impacts: To contribute to developing the Industrial Plantation Project in Indonesia; To develop local forestry and forest product industry; To conserve soils; To stabilize agricultural products; and To increase local inhabitants' income.			
12. EXPENDITURE	Total 200,913 (¥000) Contracted 195,973	5. TECHINCAL TRANSFER	1.To accept four trainees 2.On the job training		
		1. PRESENT STATUS		<input type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled	
		(Description)		The counterpart agency has been preparing for loan request in order to put forward this proposed project	
		2. MAJOR REASONS FOR PRESENT STATUS		According to the Fifth 5 year Development Plan (Repelita 1989/90-1993/94), the enlargement of re-afforestation and the increase of timber production have been proposed in forest sector. Especially it is one of the most important target that 4.4 million ha of industrial plantation in 15 years will be planned to enlarge re-afforestation. This project is expected to contribute to the above mentioned target.	
		3. PRINCIPAL SOURCES OF INFORMATION		①	

和名 産業造林計画

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

PROJECT SUMMARY (M/P)

Compiled March 1992
Revised March 1992

ASE IDN/S 126 /90

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE 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. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost	Foreign Cost	
3. SECTOR	Transportation/ Air Transportation & Airport	(US\$1,000)	1) 70,000	27,700	42,300	(Description) Request for 1992 OECF loan is scheduled for its implementation.
4. REFERENCE NO.		2)				
5. TYPE OF STUDY	M/P	3. MAJOR PROJECT(S) PROPOSED				
6. COUNTERPART AGENCY	Directorate General of Air Communications (DGAC)	Project of maintenance and rehabilitation in 10 airports. 1. Gunung Sitoli (0.8 million US\$) Overlay of runway etc. 2. Palembang (22.2 million US\$) Overlay of runway etc. 3. Semarang (0.8 million US\$) Expansion of terminal building, etc. 4. Pontianak (3.2 million US\$) Extension of runway etc. 5. Sampit (3.6 million US\$) Overlay of runway etc. 6. Ambon (23.9 million US\$) Overlay of runway etc. 7. Ternate (6.0 million US\$) Expansion of terminal building etc. 8. Mataram (2.1 million US\$) Overlay of apron etc. 9. Bima (3.0 million US\$) Extension of runway etc. 10. Merauke (4.4 million US\$) Overlay of runway etc.				
7. OBJECTIVES OF STUDY	Preparation of master plan for maintenance and rehabilitation for 10 airports selected from 20 etc.	4. CONDITIONS AND DEVELOPMENT IMPACTS				
8. DATE OF S/W	Oct. 1989	Implementation of maintenance and rehabilitation for 10 selected airports will contribute to social and economical activities in the region through promoting safer and unrestricted air transportation and improving service level of air transportation.				
9. CONSULTANT(S)	Pacific Consultants International	5. TECHINCAL TRANSFER				
10. STUDY TEAM	No. of Members 11 Period Jan. 1990 - Mar. 1991 (15 months) Total M/M 64 Japan 31 Field 33	1. Invitation of Trainee Mr. Iman Soelvan (DGAC) 1990 October 2. Seminar in Indonesia 1991 February				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	-Topographic Survey -Soil Investigation -Building Survey	3. PRINCIPAL SOURCES OF INFORMATION				
12. EXPENDITURE	Total 270,849 (¥000) Contracted 249,000	①				

和名 地方空港整備計画

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

PROJECT SUMMARY (M/P + F/S)

Compiled March 1992
Revised March 1992

ASE IDN/S 219A/90

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	DKI Jakarta 650 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	Urban Drainage and Wastewater Disposal Project in the City of Jakarta	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost		
3. SECTOR	Public Utilities/ Sewerage	(US\$1,000)	1) 72,000	2) 980,000	(Description) Feasibility Study on urban drainage and wastewater disposal for the priority areas selected in the master plan was conducted subsequently after completion of the master plan study.	
4. REFERENCE NO.		3. MAJOR PROJECT(S) PROPOSED				
5. TYPE OF STUDY	M/P+(F/S)	Urban Drainage: Canal Improvement: L=76.1km New Channel Construction: L=11.4km Pump Station Installation: 2 stations 8.7 cub.m/s capacity				
6. COUNTERPART AGENCY	CIPTA KARYA DKI JAKARTA	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.				
7. OBJECTIVES OF STUDY	Prepare a master plan up to 2010 on urban drainage and wastewater disposal in the city of Jakarta	4. CONDITIONS AND DEVELOPMENT IMPACTS				
8. DATE OF S/W	Dec.23, 1988	Urban Drainage: The proposed drainage development plan is formulated in conformity with the other on-going urban drainage project.				
9. CONSULTANT(S)	Pacific Consultants International Co., Ltd. Nippon Koei Co., Ltd.	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.				
10. STUDY TEAM	No. of Members 13 Period Sep.1989 - Feb.1991 (17 months) Total M/M 108.69 Japan 25.92 Field 82.77	5. TECHINCAL TRANSFER				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	-Topographic Survey -Water Quality Analysis -Installation of Automatic Water Level Recorder	-Counterparts training in Japan was conducted. -Technical knowledge was transferred by the internal dicussion with JICA Study Team members.				
12. EXPENDITURE	Total 380,130 (¥'000) Contracted 360,592	3. PRINCIPAL SOURCES OF INFORMATION				
					①	

和名 ジャカルタ市都市排水下水道整備計画

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

PROJECT SUMMARY (M/P + F/S)

ASE IDN/S 219B /90

Compiled March 1992
Revised March 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT							
1. COUNTRY	Indonesia	1. SITE OR AREA	Urban Drainage: 38 sq.km Wastewater Disposal: 43 sq.km	1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled						
2. NAME OF STUDY	Urban Drainage and Wastewater Disposal Project in the City of Jakarta	2. PROJECT COSTS	<table border="1"> <tr> <td></td> <td>Total Cost</td> <td>Local Cost</td> <td>Foreign Cost</td> </tr> <tr> <td>(US\$1,000)</td> <td>1) 27,700</td> <td>2) 240,700</td> <td>3)</td> </tr> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	1) 27,700
	Total Cost	Local Cost	Foreign Cost								
(US\$1,000)	1) 27,700	2) 240,700	3)								
3. SECTOR	Public Utilities/ Sewerage	3. CONTENTS OF MAJOR PROJECT(S)	Urban Drainage: Channel Improvement: L=27.4km Revetment works: L=46km Bridge improvement: 15 places Wastewater Disposal: Sewer lines -Conveyance sewer: dia.1900 - 2900mm L=10.34km -Collection sewer: dia.150 - 1500mm L=538km : Booster pump station /place 63 cub.m/min. : Treatment plant: Aerated lagoon system Q=530000 cub.m/d	(Description)							
4. REFERENCE NO.		4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR FIRR 20.0%	Urban Drainage : The proposed project will be managed by the Government of Indonesia as a supplementary one of the existing on-going project. Wastewater Disposal : The proposed project will be implemented in two phases since it requires a large cost of US\$ 240.7 million at 1990 price and a long construction period of eight years. The first phase will be completed in 1996. The second phase will subsequently be implemented 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.							
5. TYPE OF STUDY	(M/P)+F/S	Feasibility:		2. MAJOR REASONS FOR PRESENT STATUS							
6. COUNTERPART AGENCY	CIPTA KARYA DKI JAKARTA	Conditions and Development Impacts:	Urban Drainage : The economic efficiency of the proposed project is estimated as follows. NPV : US\$ 11.3 million B/C : 2.15 EIRR : 20.0%								
7. OBJECTIVES OF STUDY	Conduct a feasibility for the priority areas selected in the master plan	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 pollutin 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.	3. PRINCIPAL SOURCES OF INFORMATION							
8. DATE OF S/W	Dec.23, 1988	5. TECHINCAL TRANSFER	Technical knowledge was transferred to the Indonesian side by Seminar and internal discussion with JICA Study Team members.	①							
9. CONSULTANT(S)	Pacific Consultants International Nippon Koei Co., Ltd.	12. EXPENDITURE	<table border="1"> <tr> <td>Total</td> <td>380,130 (¥000)</td> </tr> <tr> <td>Contracted</td> <td>360,592</td> </tr> </table>	Total	380,130 (¥000)	Contracted	360,592				
Total	380,130 (¥000)										
Contracted	360,592										
10. STUDY TEAM	No. of Members 13 Period Aug.1990 - Feb.1991 (7 months) Total M/M Japan 25.92 Field 82.77										
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	-Topographic Survey -Water Quality Analysis -Existing Sanitary Condition along Rivers										

和名 ジャカルタ市都市排水下水道整備計画

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

PROJECT SUMMARY (M/P + F/S)

Compiled March 1992
Revised March 1992

ASE IDN/S 217A/90

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	JABOTABEK area			1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Integrated Transportation System Improvement by Railway and Feeder Service in JABOTABEK Area	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	US\$1=1758Rp Total Cost Local Cost Foreign Cost			
3. SECTOR	Transportation/ Railway	(US\$1,000)	1) 37,082	17,888	19,193	(Description) The reinforcement plan of the railway side (JABOTABEK railway plan) on which this master plan is based has been steadily being materialized, since the establishment of the master plan in 1981, through F/S, D/D, and construction execution.
4. REFERENCE NO.			2) 254,904	95,906	158,995	
5. TYPE OF STUDY	M/P+(F/S)	3. MAJOR PROJECT(S) PROPOSED				
6. COUNTERPART AGENCY	PHBD, Indonesia	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.				
7. OBJECTIVES OF STUDY	M/P for JABOTABEK area up to 2005	(1) Select an optimum pattern taking into consideration the reinforcement plans of the railway and roads. (2) Propose a master plan for reinforcement that should be done by the railway side based on the above optimum pattern. (3) Based on (2), projects to be urgently implemented were selected.				
8. DATE OF S/W	Feb.1988	4. CONDITIONS AND DEVELOPMENT IMPACTS				
9. CONSULTANT(S)	Japan Railway Technical Service Pacific Consultants International	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.				
10. STUDY TEAM	No. of Members 15 Period Nov.1988 - Aug.1990 (21 months) Total M/M 109.2 Japan 51.3 Field 57.9	5. TECHINCAL TRANSFER				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		1)Preparation, explanation, and discussion of the Working Paper 2)Two counterparts received JICA training, and also participated in the overall discussion.				
12. EXPENDITURE	Total 342,883 (¥000) Contracted 335,000	3. PRINCIPAL SOURCES OF INFORMATION ①				

和名 ジャボタバック圏統合輸送システム改良計画

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

PROJECT SUMMARY (M/P + F/S)

ASE IDN/S 217B/90

Compiled March 1992
Revised March 1992

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 checked="" type="checkbox"/> Implementing <input type="checkbox"/> Delayed or Suspended <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 COSTS	US\$1=1758Rp Total Cost Local Cost Foreign Cost (US\$1,000) 1) 37,082 17,888 19,193 2) 254,904 95,906 158,995 3)		
3. SECTOR	Transportation/ Railway	3. CONTENTS OF MAJOR PROJECT(S)	F/S deals with the following urgent ones. 1) Improvement of feeder services and facilities of the three stations (Pasar Senen, Jatinegara, Kembangan). 2) Continuous grade separation of the East Line. As for the feeder service improvement, it was proposed to: separate pedestrians and motor vehicles on roads near stations; expand roads leading to stations; establish signals and overpasses; and set up bus bays in station plazas. An improvement plan was then drawn up for the three most important stations selected from all 63 stations. As for the station facilities improvement, an improvement plan was drawn up for the same three stations, because it is effective to conduct the improvement at the same time with the above feeder service improvement. As for the track elevation of the East Line, comparative studies were also conducted on underground construction of the Kota-Gangsektion and Kota-Jatinegara sections, introduction of flyovers, etc.		(Description) The station building improvement, station plaza reinforcement, etc. are going to be implemented jointly with some projections included in the JABOTABEK Project (such as track elevation, double tracking, and electrification of the Central Line), and the construction is under way. As for the platform improvement of thb, Jng, and Pse station, the construction will start one by one by using OECF funds authorized for fiscal 1991. It is necessary to continue studies hereafter concerning the handling of the track elevation of the East Line, since this projection is not included in the sealed-down plan. Furthermore, adjustment with a recommendation of introducing a LRT to the East Line voiced in connection with another project.
4. REFERENCE NO.		4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR FIRR 34.78% 6.33% Feasibility: Yes 15.22%		
5. TYPE OF STUDY	(M/P)+F/S	5. TECHNICAL TRANSFER	1) Preparation, explanation, and discussion of the Working Paper. 2) Two counterparts received JICA training, and also		
6. COUNTERPART AGENCY	PHBD, Indonesia	10. STUDY TEAM	No. of Members 15 Period Nov.1988 - Aug.1990 (21 months) Total M/M 109.2 Japan 51.3 Field 57.9		
7. OBJECTIVES OF STUDY	F/S for urgent project based on the M/P up to 2005	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Conditions and Development Impacts: F/S: 1) Develop the passenger convenience and increase the passenger traffic through improving feeder services and facilities of the three stations. Sufficient economic feasibility is shown for the improvement of the three stations. In order to ensure financial independence of the railway, it is recommended that the city side bears the reasonable portion of the investment and operation cost. 2) Enable to increase the train frequency on the East Line and to deal with the increasing traffic on level crossings. From the standpoint of city planning, track elevation is superior to flyover. However, careful studies are recommended in such respects as modification of the time of construction.		
8. DATE OF S/W	Feb.1988	12. EXPENDITURE	Total 342,883 (¥000) Contracted 335,000		
9. CONSULTANT(S)	Japan Railway Technical Service Pacific Consultants International	2. MAJOR REASONS FOR PRESENT STATUS	(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.		
		3. PRINCIPAL SOURCES OF INFORMATION	①		

和名 ジャボタバック圏統合輸送システム改良計画

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

PROJECT SUMMARY (M/P + F/S)

Compiled March 1992
Revised March 1992

ASE IDN/S 218A/90

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	Surabaya and its surrounding area (GERBANGKERTOSUSILA) and Jombang		
2. NAME OF STUDY	Long-Term and Medium-Term Plan for Telecommunications Network in Surabaya and Surrounding Areas	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost	Foreign Cost
3. SECTOR	Communications & Broadcasting/ Telecommunication	(US\$1,000)	1) 854,000		
4. REFERENCE NO.		2)			
5. TYPE OF STUDY	M/P+(F/S)	3. MAJOR PROJECT(S) PROPOSED	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).		
6. COUNTERPART AGENCY	Directorate General, Posts and Telecommunications	4. CONDITIONS AND DEVELOPMENT IMPACTS	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		
7. OBJECTIVES OF STUDY	The long-term and medium-term plan for telecommunications network in Surabaya and surrounding areas	5. TECHINCAL TRANSFER	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 counterparts as trainees of Colombo Plan during home study period of the Study Team. 4) Contents of DR/R was presented by counterparts trained in Japan.		
8. DATE OF S/W	Jun.1, 1988	12. EXPENDITURE	Total	202,367 (¥000)	
9. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.	Contracted		185,234	
10. STUDY TEAM	No. of Members 7 Period Sep.1988 - Dec.1990 (13 months) Total M/M 60.53 Japan 20.34 Field 40.18	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	None.		
		1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued		
		(Description)	A part of proposed plan is scheduled to be implemented to achieve the targets at the end of Repelita V.		
		2. MAJOR REASONS FOR PRESENT STATUS	To fulfill the target at the end of Repelita V (1994).		
		3. PRINCIPAL SOURCES OF INFORMATION	①		

和名 スラバヤ都市圏電気通信網整備計画

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

PROJECT SUMMARY (M/P + F/S)

Compiled March 1992
Revised March 1992

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 type="checkbox"/> Completed or in Progress <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Long-Term and Medium-Term Plan for Telecommunication Networks in Surabaya and Surrounding Areas	2. PROJECT COSTS	Total Cost	Local Cost		
3. SECTOR	Communications & Broadcasting/ Telecommunication	(US\$1,000)	1) 27,560	2) 3,440	3) 24,120	(Description) A part of proposed project, described below, is scheduled to be implemented in order to achieve the targets at the end of Repelita V (1994). -Some sections of junction network in Surabaya multi-exchange area. -Some sections of trunk network. Preparation of request to assistance by Government of Japan is processed to implement the other parts of the project described above.
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)	1. Junction network in Surabaya multi-exchange area should be expanded urgently in consequence of the integration of Gresik and other cities into the multi-exchange area, and to cope with the demand increase in the multi-exchange area. 2. Trunk network connecting SC (Surabaya), PC and LE in the objective area should be digitalized coordinated with telephone exchange digitalization program, aiming at the completion of IDN (Integrated Digital Network) toward future ISDN introduction. 3. Rural area network should be constructed to expand the telephone service up to all the Kecamatan capitals to realize a medium-term development target established in the master plan.			
5. TYPE OF STUDY	(M/P)+F/S	Implementation Period:	1992 - 1994			
6. COUNTERPART AGENCY	Directorate General Posts and Telecommunications	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
7. OBJECTIVES OF STUDY	The long-term and medium-term plan for telecommunications network in Surabaya and surrounding areas	Feasibility:	14.85% 14.05%			
8. DATE OF S/W	Jun.1, 1988	Conditions and Development Impacts:	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: -Regional development -Urban and industrial areas -Rural areas.			
9. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.	5. TECHNICAL TRANSFER	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 counterparts as trainees during home study period of the Study Team. 4) Contents of D/R was presented by counterparts trained in Japan.			
10. STUDY TEAM	No. of Members 7 Period Sep.1988 - Dec.1990 (13 months) Total M/M 60.53 Japan 20.34 Field 40.18	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	None.			
12. EXPENDITURE	Total 202,367 (¥000) Contracted 185,234	2. MAJOR REASONS FOR PRESENT STATUS	Urgent implementation is required to achieve the targets of the end of Repelita V (1994).			
		3. PRINCIPAL SOURCES OF INFORMATION	①			

和名 スラバヤ都市圏電気通信網整備計画

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

PROJECT SUMMARY (M/P + F/S)

Compiled March 1992
Revised March 1992

ASE IDN/A 201A /90

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	Silau-Bunut Area in North Sumatra Province		1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Lower Asahan River Basin Development	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost	
3. SECTOR	Agriculture/ General	(US\$1,000):	1)	2)	
4. REFERENCE NO.		3. MAJOR PROJECT(S) PROPOSED	Among study area of 178,700 ha, 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 Naetek 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)		
5. TYPE OF STUDY	M/P+(F/S)	4. CONDITIONS AND DEVELOPMENT IMPACTS	The target for increase of rice production in the study area is proposed to be 10% of the provincial target of paddy production increase (1.2 million tons). Taking into account the present investment policy, the Silau-Bunut project with the highest priority and the Padang-Mahondang with the second priority will be completed by 2005.		
6. COUNTERPART AGENCY	Directorate General of Water Resources Development	5. TECHINCAL TRANSFER	-Lecture on how to use the database of non-granary irrigated area: one-week, 31 participants.		
7. OBJECTIVES OF STUDY	Formulation of agricultural development master plan in line with the flood control projects	12. EXPENDITURE	Total	255,621 (¥000)	
8. DATE OF S/W	Jul.1984		Contracted	171,668	
9. CONSULTANT(S)	Nippon Koei Co., Ltd. Nikken Consultants Co., Ltd. Yachiyo Engineering Co., Ltd.	2. MAJOR REASONS FOR PRESENT STATUS			
10. STUDY TEAM	No. of Members 18 Period Jun.1989 - Jun.1990 (13 months) Total M/M 56.19 Japan 20.63 Field 35.56	3. PRINCIPAL SOURCES OF INFORMATION	①		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY					

和名 アサハン河下流域開発計画

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