

PROJECT SUMMARY (F/S)

ASE IDN/S 317/81

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Indonesia	1.SITE OR AREA				1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input checked="" type="checkbox"/> Processing
2.NAME OF STUDY	Jakarta Harbour Road Project	Jakarta					
3.SECTOR	Transportation/Road	2.PROJECT COST		Total Cost	Local Cost	Foreign Cost	(Description) Sep.1983 OECF loan agreement signed (E/S, 1,210 million yen) Sep.1986 F/S reviewed Fall 1987 D/D completed Some part of the harbour road is included in the OECF loan (16.77 billion yen) signed in December 1990 for the regional and urban roads improvement. However, the major part of the project is to be implemented by the BOT method, and the preparations are underway toward that end.
4.REFERENCE NO.		1)	2)	730,000	480,000	-	
5.TYPE OF STUDY	F/S	(US\$1,000)					
6.COUNTERPART AGENCY	Directorate of Planning, Directorate General of Highway, Ministry of Public Works	(US\$1=210Yen)					
7.OBJECTIVES OF STUDY	Road planning	3.CONTENTS OF MAJOR PROJECT(S)					
8.DATE OF S/W	Feb.1980	[Items] [Description]					
9.CONSULTANT(S)	Pacific Consultants International	Total length 21.0km					
10.STUDY TEAM	No. of Members 12 Period Aug.1980-Nov.1981 (16 months)	- Harbour Road (Pluit-Cilincing) 17.4km					
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Topographic Survey Geological Survey	- Arterial Street (Tq. Priok Access) 3.6km					
12.EXPENDITURE	Total 227,721 (¥'000) Contracted 215,003	Bridges 15 (Total length: 4.0km)					
		Embankment 13.4km					
		Viaducts 3.3km					
		Interchange 7 places					
		Flyover bridges 2					
		Drainage facilities					
		Construction of frontage roads, Relocation of existing roads, waterways					
		Note: Two phases have been considered in the schedule. For Phase I, three alternatives were considered. Phase II is the overlay and the pavement expansion.					
		Imp. Period: 1986-1993					
		4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: EIRR1) 10.95 FIRR1) 12.80	EIRR2) FIRR2)	EIRR3) FIRR3)	
		Yes					
		Conditions and Development Impacts:					
		Traffic demand forecast for the target year (1990,2000,2010) was made on the basis of person trip with the assumption of 6-lane tollway. Modal split simulation was conducted for greater Jakarta network, and alternative plan was made with financial situation taken into consideration.					
		Development impact: The project road could play a role as industrial transport which goes through new airport, recreation area, trade ports, and industrial district.					
		5. TECHNICAL TRANSFER					
		(1) Overseas training for counterpart staff (2) Employment of local Consultant for topo and soil survey (3) Equipment supply and training					
		2.MAJOR REASONS FOR PRESENT STATUS					
		(1) Impact: It can link major facilities (2) In connection with other projects: This road makes up for Jakarta Intra Urban tollway (3) High Priority (4) Support from Japanese Commercial Sector					
		3.PRINCIPAL SOURCE OF INFORMATION					
		①④					

和名 ジャカルタ湾岸道路計画

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

PROJECT SUMMARY (F/S)

ASE IDN/S 318/81

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Indonesia	1.SITE OR AREA	Sumatra			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	Padang Airport Development	2.PROJECT COST	Total Cost	Local Cost	Foreign Cost		
3.SECTOR	Transportation/Air Transportation & Airport	(US\$1,000)	70,000	25,000		(Description) Feb.1985 OECF E/S loan agreement (780 million yen) July 1987 - May 1989 Engineering service implemented 1990.3 Loan request to OECF. 1991.3 Loan request to OECF.	
4.REFERENCE NO.		(US\$1=220Yen)	1)				
5.TYPE OF STUDY	F/S		2)				
6.COUNTERPART AGENCY	Directorate General of Air Communication (DGAC)		3)				
7.OBJECTIVES OF STUDY	Demand forecast for air transportation Airport equipment plan	3.CONTENTS OF MAJOR PROJECT(S)					
8.DATE OF S/W	Feb.1981	Phase I(1984-1987) Phase II(1994-1996) Runway 2,500m x 45m Taxiway 2,500m x 23m Apron capacity 7 berth Passenger terminal App.15,000sq.m Cargo terminal App.2,900sq.m Administration building 1,800sq.m Control tower App.60 sq.m Car parking 430 lots Airport safety system 900lots Fuel storage					
9.CONSULTANT(S)	Pacific Consultants International	4.FEASIBILITY AND ITS ASSUMPTIONS					
10.STUDY TEAM	No.of Members 10 Period Jun.1981-Jan.1982(8 months)	Imp. Period: Apr.1984-Dec.1996 Feasibility: Yes EIRR1 45.40 FIRR1 EIRR2 45.50 FIRR2 EIRR3 FIRR3 Conditions and Development Impacts: Due to the surrounding topography, Padang airport is hardly expandable, making it very difficult to meet increased future demand. The new airport was recommended to be located 15km NW of the present airport. The scale of the new airport is to meet the 1995 demand as the first stage and the 2005 demand as the second stage. Beneficial effects from the new airport include smooth air traffic, introduction of large aircrafts like DC-10 to meet increasing demand, improved intra-country communications, regional development, leading to reduced regional disparities in living standards and stable income from expanded regional economic activities. Note:1) EIRR based on the Phase I and the Phase II is estimated. 2) EIRR based only on the phase I is estimated.					
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Geology, Boring, Granulometry	5.technical transfer					
12.EXPENDITURE	Total 97,114 (¥'000) Contracted 87,141	(1) CJT: Discussions with counterparts and concerned people on different topics (2) Training in Japan: procedures to conduct studies and transportation in Japan					
		2.MAJOR REASONS FOR PRESENT STATUS					
		(1) Benefit: Introduction large aircraft will strengthen communications with the capital city. It will be a core project for the regional development by inducing the location of export-oriented industries which utilize abundant labor force around Padang area. (2) Priority: Padang airport is among the major 15 domestic airports in Indonesia, but its facilities are very poor, and need earliest implementation of the project.					
		3.PRINCIPAL SOURCE OF INFORMATION					
		①					

和名 バダグ空港整備計画

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

PROJECT SUMMARY (F/S)

ASE IDN/S 314/81

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT																		
1. COUNTRY	Indonesia	1. SITE OR AREA		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">Total Cost</td> <td style="width: 15%; text-align: center;">Local Cost</td> <td style="width: 15%; text-align: center;">Foreign Cost</td> </tr> <tr> <td>2. PROJECT COST (US\$1,000)</td> <td style="text-align: center;">1) 11,357</td> <td style="text-align: center;">1,357</td> <td style="text-align: center;">10,000</td> </tr> <tr> <td></td> <td style="text-align: center;">2)</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">3)</td> <td></td> <td></td> </tr> </table>			Total Cost	Local Cost	Foreign Cost	2. PROJECT COST (US\$1,000)	1) 11,357	1,357	10,000		2)				3)			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	
	Total Cost	Local Cost	Foreign Cost																					
2. PROJECT COST (US\$1,000)	1) 11,357	1,357	10,000																					
	2)																							
	3)																							
2. NAME OF STUDY Coastal Radio Communications Marinetime Communication System		26 station in whole country		(Description) Sep.1981 OECF loan agreement signed (2,300 million yen) For provision of equipment for Jakarta, Surabaya, Belawan, Ujung Pandang, Ambon, Domai, Betung, Jayapura, Solon and Melauke Feb.1985 OECF loan agreement signed (3,600 million yen) For provision of equipment for two Jakarta central stations and ten coastal stations Aug.1990 Construction completed Sep.1991 OECF loan agreement (4,057 million yen) For provision of GMDSS equipment for 1st- and 2nd grade coastal stations and the boats of the Directorate of Sea Communication Mar.1996 Construction to be completed																				
3. SECTOR Communications & Broadcasting/Telecommunication		3. CONTENTS OF MAJOR PROJECT(S)																						
4. REFERENCE NO.		Short Term Development Program: - Improvement of Banjarmasin and the other class-A coast stations. - Provision of the NBD(Narrow Band Direct Printing) and DSC(Digital Selective Calling) equipments. - Improvement of Class-B coast stations (8 stations) - Improvement of SAR(Search and Rescue) facilities (9 stations)																						
5. TYPE OF STUDY F/S		Long Term Development Program: - Improvement or establishment of coast station facilities. 1) REPELITA V (107 stations) 2) REPELITA VI (114 stations)																						
6. COUNTERPART AGENCY Directorate General of Sea Communications		- Improvement of SAR and DF facilities 1) REPELITA V (15 stations) 2) REPELITA VI (15 stations)																						
7. OBJECTIVES OF STUDY Make a long term development plan for the marinetime communication system to meet the future needs up to the year 2000.		Imp. Period: 1983-1999																						
8. DATE OF S/W Feb.1981		4. FEASIBILITY AND ITS ASSUMPTIONS																						
9. CONSULTANT(S) Nippon Telecommunication Consulting Co., Ltd. Kokusai Denshin Denwa Co, Ltd.		Feasibility: Yes	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">EIRR1)</td> <td style="width: 50%;">FIRR1)</td> </tr> <tr> <td>EIRR2)</td> <td>FIRR2)</td> </tr> <tr> <td>EIRR3)</td> <td>FIRR3)</td> </tr> </table>			EIRR1)	FIRR1)	EIRR2)	FIRR2)	EIRR3)	FIRR3)													
EIRR1)	FIRR1)																							
EIRR2)	FIRR2)																							
EIRR3)	FIRR3)																							
10. STUDY TEAM No. of Members 7 Period Feb.1981-Mar.1981 (0 months)		Conditions and Development Impacts: Conditions: In order to replace old facilities, review each exchange class, and study the utilization of INMARSAT																						
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		Development Impacts: (1) The occurrence of marine accidents could be avoided. (2) The immediate rescue activities could be served. (3) The revenue of the sea communications will be increased. (4) The effective utilization of PERUMTEL's network could be realized. (5) Communication between the ships in and around the port and the coast station will become easy. (6) Improvement of social welfare and an increase in economic growth will be achieved in the region and the whole country.																						
12. EXPENDITURE		5. TECHNICAL TRANSFER																						
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Total</td> <td style="width: 15%; text-align: right;">12,623 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td style="text-align: right;">6,061</td> </tr> </table>		Total	12,623 (¥'000)	Contracted	6,061	(1) Trainee acceptance : 3 counterparts invited to Japan, and studied contents of project. (2) On the job training (PERUMTEL counterparts)																		
Total	12,623 (¥'000)																							
Contracted	6,061																							
		3. PRINCIPAL SOURCE OF INFORMATION																						
		①④																						
		2. MAJOR REASONS FOR PRESENT STATUS																						
		Effectiveness: Radio communication will positively affect the port construction plan. The counterpart agency has a strong influence over the decision.																						

和名 沿岸無線通信網整備拡充計画

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

PROJECT SUMMARY (F/S)

ASE IDN/S 315/81

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT					
1.COUNTRY	Indonesia	1.SITE OR AREA				1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input 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	Improvement of Telephone Network in the City of Jakarta	City of Jakarta									
3.SECTOR	Communications & Broadcasting/Telecommunication	2.PROJECT COST		Total Cost	Local Cost	(Description) The proposed project was implemented by the OECF financing. Sep.1981 OECF loan agreement signed (3,960 million yen) For an expansion of the PCM system in Jakarta Feb.1985 OECF loan agreement signed (5,600 million yen) For installation of optical and PCM equipment and cables May 1991 Construction completed					
4.REFERENCE NO.		(US\$1,000)	1) 181,600	23,100	158,500						
5.TYPE OF STUDY	F/S	3.CONTENTES OF MAJOR PROJECT(S)				2.MAJOR REASONS FOR PRESENT STATUS					
6.COUNTERPART AGENCY	POSTEL, PERUMTEL	(1) Building - Construction of new buildings (7 stations) - Expansion of existing buildings (5 stations) (2) Switching system - Installation of 179,000 line units (3) Junction Network (for the year 1987) - PCM (457) System; multiplexers 914, office repeaters 1616, line repeater housings 220, line repeater units 4769 - Cable System; 20 cables, 22,200 pairs, 115km, 3000 loaded pairs (4) Subscriber Cable Primary cable 84.5km Secondary cable 227.2km Cross-connecting cabinet 61 (5) Civil Works; manhole, Duct									
7.OBJECTIVES OF STUDY	To make outside plant expansion program for the Third Five-Year plan including the view of the long term planning, and to make a fundamental designing of telecommunication network in certain Jakarta areas.	Imp. Period: .1981-.1986				3.PRINCIPAL SOURCE OF INFORMATION					
8.DATE OF S/W	Dec.1978	4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) FIRR1) EIRR2) FIRR2) EIRR3) FIRR3)						
9.CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.	Conditions and Development Impacts: Conditions of telephone demand forecast: (1) As annual growth rate of GDP per capita is 4.5%. (2) Population increase figures are adopted from the Statistical Year Book of Indonesia 1977.				①④					
10.STUDY TEAM	No.of Members 11 Period Jun.1979-Feb.1981 (20 months) <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">Japan</td> <td style="text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">112.26</td> <td style="text-align: center;">28.83</td> <td style="text-align: center;">83.43</td> </tr> </table>	Total M/M	Japan	Field	112.26			28.83	83.43	Development Impacts: A long-term plan of gradual fulfillment of telephone facilities expansion to meet the demand as of 1987 is formulated after careful examinations of the existing telephone facilities and the capacity of installation work. Thus the complete fulfillment of telephone installation to the demand will be realized after 1987.	
Total M/M	Japan	Field									
112.26	28.83	83.43									
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER									
12.EXPENDITURE		(1) On the job training (PERUMTEL counterparts) (2) Trainee acceptance ; 2 counterparts invited to Japan, and studied for contents of Project. (3) Preparation part of study report with counterparts (4) Practical use of local consultants (survey, Preparation of report and construction drawing)									
	Total	250,159 (¥'000)									
	Contracted	249,545									

和名 ジャカルタ首都圏電話網整備拡充計画

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

PROJECT SUMMARY (F/S)

ASE IDN/S 316/81

Compiled Mar.1986

Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Indonesia	1.SITE OR AREA		Sumatra North and Sulawesi South		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	Telecommunication Network in Developing Areas Surrounding Medan and Ujung Pandang	2.PROJECT COST (US\$1,000)					
			1)	73,913	33,970	39,943	(Description) Discontinued after F/S Future prospect unknown
			2)				
			3)				
3.SECTOR	Communications & Broadcasting/Telecommunication	3.CONTENTS OF MAJOR PROJECT(S)					
4.REFERENCE NO.		Contents	Scale				
5.TYPE OF STUDY	F/S	Telephone Switching and Subscriber Cable	Sumatra North	48 station			
6.COUNTERPART AGENCY	POSTEL PERUMTEL	Transmission System	Sulawesi South	48 station			
			Sumatra North	53 section			
			Sulawesi South	25 section			
7.OBJECTIVES OF STUDY	To clarify the feasibility for the project of establishing a telecommunication network in developing areas surrounding Medan and Ujung Pandang.						
8.DATE OF S/W	Apr.1980	Imp. Period: 1981-1985					
9.CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 12.00 EIRR2) EIRR3)	FIRR1) 9.20 FIRR2) FIRR3)	2.MAJOR REASONS FOR PRESENT STATUS As a national development policy of Indonesia,urban area receives higher priority than rural area. So,this project was discontinued.	
		Conditions and Development Impacts: Conditions: (1) Area: North Sumatra and South Sulawesi (2) Demand Forecast: 20 year after study Development Impacts: The project may improve telecommunication networks in the areas which are delayed in that field compared with others.					
10.STUDY TEAM	No.of Members 12 Period Jun.1980-Feb.1981(7.5 months)						
		Total M/M		Japan	Field		
		13.23		1.50	11.73		
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY							
		5.technical transfer					
12.EXPENDITURE		(1) Trainee acceptance: Engineer invited to Japan, implemented technical training. (2) On the Job training(PERUMTEL counterparts)				3.PRINCIPAL SOURCE OF INFORMATION ①	
	Total 58,215 (¥'000) Contracted 25,261						

和名 地方都市周辺電気通信網整備計画

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

PROJECT SUMMARY (F/S)

ASE IDN/A 303/81

Compiled Mar.1990

Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Indonesia	1.SITE OR AREA				1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing
2.NAME OF STUDY Langkemme Irrigation Project		Langkemme Area of South Sulawesi Province (Investigated Area 8,000ha, Population 89,000 as of 1979)					
3.SECTOR Agriculture/General		2.PROJECT COST (US\$1,000)		Total Cost	Local Cost	Foreign Cost	(Description) Apr.1982 OECF L/A signed (E/S 320 million yen) Oct.1983 - Mar.1985 D/D undertaken (Nippon Koei Co.) Dec.1985 OECF L/A signed (6,951 million yen) Irrigation development of 6,400 ha Mar.1988 Construction started Jun.1994 Construction to be completed
4.REFERENCE NO.		1) 21,700		11,700	10,000		
5.TYPE OF STUDY F/S		2) US\$1=625Rp.		3)			
6.COUNTERPART AGENCY Ministry of Public Works, Directorate General of Water Resources Development		3.CONTENTS OF MAJOR PROJECT(S) Irrigation Area : 6,400 ha					
7.OBJECTIVES OF STUDY		I. The unification and improvement of the existing weirs(Tyrol type 19 places), a connecting canal(34km).					
8.DATE OF S/W Feb.1980		II. Langkemme intake (length of 37.5m, height of 4m), Langkemme main canal(30km), the connecting canal(2.5km), tunnel (720m)					
9.CONULTANT(S) Nihon Koei Co., Ltd.		III. The division weier(3places), raceway.					
10.STUDY TEAM No.of Members 13 Period Jul.1980-Mar.1981(8 months)		Imp. Period: Jul.1982-Jul.1987					
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		4.FEASIBILITY AND ITS ASSUMPTIONS Feasibility: Yes		EIRR1) 14.70 EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)		
12.EXPENDITURE Total 150,097 (¥000) Contracted 141,743		Conditions and Development Impacts: (Condition) Direct benefit was estimated as the difference of annual income from agricultural production between with-project and without-project conditions. The economic evaluation was made on 50 years of project life starting from 1984. The target value of benefit of 1996, which is 14 years after the begin of construction, is estimated to be Rp.381,600. (Impacts) 1) The increase of annual disposable income per house from Rp.1,800 to Rp. 197,000. 2) Saving foreign currency for import of rice. 3) Demonstration effects of modern irrigation practices. 4) Improvement of quality of farm products and increase of marketability. 5) Improvement of rural environment.					
		5. TECHNICAL TRANSFER				2.MAJOR REASONS FOR PRESENT STATUS Shortage of local currency portion.	
						3.PRINCIPAL SOURCE OF INFORMATION ①④	

和名 ランケメかんがい開発計画

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

PROJECT SUMMARY (M/P)

ASE IDN/S 110/82

Compiled Mar. 1990

Revised Mar. 1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS											
1. COUNTRY	Indonesia	1. SITE OR AREA	Whole country 26 stations		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 Development Plan of Maritime Communication System	2. PROJECT COST				<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"></td> <td style="width: 10%; text-align: center;">Total Cost</td> <td style="width: 10%; text-align: center;">Local Cost</td> <td style="width: 10%; text-align: center;">Foreign Cost</td> </tr> <tr> <td style="text-align: center;">(US\$1,000)</td> <td style="text-align: center;">1)</td> <td style="text-align: center;">193,683</td> <td style="text-align: center;">35,134</td> </tr> <tr> <td style="text-align: center;">(US\$1=210Yen)</td> <td style="text-align: center;">2)</td> <td></td> <td style="text-align: center;">158,549</td> </tr> </table>		Total Cost	Local Cost	Foreign Cost	(US\$1,000)	1)	193,683	35,134	(US\$1=210Yen)
	Total Cost	Local Cost	Foreign Cost												
(US\$1,000)	1)	193,683	35,134												
(US\$1=210Yen)	2)		158,549												
3. SECTOR	Communications & Broadcasting/Telecommunication	3. CONTENTS OF MAJOR PROJECT(S)	(Description) Jun. 1984 OECF L/A signed (4,377 million yen) Mar. 1989 Phase-I implementation started Dec. 1991 Phase-I implementation completed												
4. REFERENCE NO.		(1) Development of Maritime Radio Communication station; Use of MF, HF transmitter, NBDP and DSC. (2) Development of SAR System; SAR Operation centers are established having its Regional office within each District Headquarters of Sea Communications. (3) Establishment of Maintenance Center (4) Utilization of INMERSAT System (5) Training: Training the necessary number of Maintenance staff.													
5. TYPE OF STUDY	M/P	4. CONDITIONS AND DEVELOPMENT IMPACTS	2. MAJOR REASONS FOR PRESENT STATUS (1) Effectiveness (2) High Priority												
6. COUNTERPART AGENCY	Directorate General of Sea communications	(1) Protection of life and property ; By securing radio communication contacts for SAR between coast and ship stations, occurrence of marine accidents could possibly be avoided and prevented. Even in case of the occurrence, the immediate and prompt report to the authorities via the telecommunication network will serve the rescue of the human life of immense value and the protection of enormous amount of property at sea. (2) Operating Entity, Users and Others; 1) The revenue of PERUMTEL will be increased by the line charges . 2) Use of the lines of PERUMTEL for the point-to-point communication network for sea communications will lead to the effective Utilization of PERUMTEL's network.													
7. OBJECTIVES OF STUDY	To make a long term development plan of maritime communication system for the safety of life at sea up to the year 2000.	5. TECHNICAL TRANSFER	3. PRINCIPAL SOURCE OF INFORMATION ①④												
8. DATE OF S/W	Feb. 1981	(1) Trainee acceptance; 3 counterparts invited to Japan, and Training on Contents of Project. (2) On the job training (PERUMTEL counterparts)													
9. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd. Kokusai Denshin Denwa Co, Ltd. The Japan Association for Preventing Marine Accid														
10. STUDY TEAM	No. of Members 16 Period Jun. 1981-Mar. 1982 (10 months) <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; text-align: center;">Total M/M</td> <td style="width: 20%; text-align: center;">Japan</td> <td style="width: 20%; text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">16.67</td> <td style="text-align: center;">1.17</td> <td style="text-align: center;">15.50</td> </tr> </table>	Total M/M	Japan	Field	16.67	1.17	15.50								
Total M/M	Japan	Field													
16.67	1.17	15.50													
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY															
12. EXPENDITURE															
	Total	82,144 (¥'000)													
	Contracted	36,612													

和名 海上無線通信網整備拡充計画

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

PROJECT SUMMARY (M/P)

ASE IDN/A 102/82

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS							
1.COUNTRY	Indonesia	1.SITE OR AREA	Aceh, South Sumatra, Lampung, West Java, Central Java, East Java, South Sulawesi, 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	Postharvest Losses	2.PROJECT COST	Total Cost	Local Cost	(Description) During the implementation of the study, the Government of Indonesia requested an OECF loan for agricultural machine and equipment. Apr.1982 OECF appraisal mission Mar.1984 OECF 1/A signed (5.8 billion yen) Dec.1985 -May 1987 Detailed design undertaken With the OECF loan, 83 threshers, 92 flat dryers, 344 rice mill units (1 ton/h) and 137 rice mill units (2 tons/h) were installed at 626 agricultural cooperatives in 7 provinces (West Java, Central Java, East Java, Bali, West Nusa Tenggara, South Sulawesi, and Jogjakarta). Concerning the improvement of the post-harvest technology in South Sulawesi Province, a JICA study was undertaken in Nov. 1988. A pilot project will be soon started to propose specific measures. The Post-harvest Training Center was established in Bekasi (40km southeast of Jakarta) partly based on the recommendation of this M/P study. The problem of stained grains in Aceh Province has been successfully dealt with by the introduction of threshers in great number.							
3.SECTOR	Agriculture/Agricultural Processing	(US\$1,000)	1)	2)								
4.REFERENCE NO.		3.CONTENTES OF MAJOR PROJECT(S)			2.MAJOR REASONS FOR PRESENT STATUS Improvement in postharvest rice processing is to promote government project of increasing food production and is given high priority among various government projects.							
5.TYPE OF STUDY	M/P	1. Establishment of an organization in charge of improvement in postharvest processing. 2. Reinforcement of marketing and storage capacity of surplus rice in south Sulawesi. 3. Reduction of discolored grains in Aceh province especially Pidi county and North Aceh County. 4. Drying of paddy harvested in rainy season and cleaning of immature grains in 6 counties in the northern plain of West Java province.										
6.COUNTERPART AGENCY	Ministry of Agriculture, Just Committee of Cooperatives and Bulog	4.CONDITIONS AND DEVELOPMENT IMPACTS			3.PRINCIPAL SOURCE OF INFORMATION ①④							
7.OBJECTIVES OF STUDY	Improvement of postharvest practices and eliminate its losses	Development Impacts: This plan will contribute to government program for increasing food production by reducing qualitative and quantitative losses after harvest through innovations in postharvest rice processing such as harvesting, threshing, drying, cleaning, transportation and also on new machines and equipments.										
8.DATE OF S/W	Jun.1981	5. TECHNICAL TRANSFER										
9.CONSULTANT(S)	Overseas Merchandise Inspection Co., Ltd.	Measurements and forecasts of losses during postharvest processing should continue after the completion of this survey. During the survey period it was desirable to give guidance to counterparts, assistants and other concerned parties										
10.STUDY TEAM												
No.of Members 12 Period Aug.1981-Nov.1982 (16 months)												
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Total M/M</td> <td style="width: 33%;">Japan</td> <td style="width: 33%;">Field</td> </tr> <tr> <td style="text-align: center;">81.56</td> <td style="text-align: center;">16.85</td> <td style="text-align: center;">64.71</td> </tr> </table>		Total M/M	Japan	Field	81.56	16.85	64.71					
Total M/M	Japan	Field										
81.56	16.85	64.71										
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY												
12.EXPENDITURE												
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Total</td> <td style="width: 33%;">222,465 (¥'000)</td> <td style="width: 33%;"></td> </tr> <tr> <td>Contracted</td> <td>205,444</td> <td></td> </tr> </table>		Total	222,465 (¥'000)		Contracted	205,444						
Total	222,465 (¥'000)											
Contracted	205,444											

和名 米穀收穫後処理法改善計画

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

PROJECT SUMMARY (M/P+F/S)

ASE IDN/S 204A/82

Compiled Mar.1986

Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS							
1.COUNTRY	Indonesia	1.SITE OR AREA	JABOTABEK area and Serpong		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/Suburban Railway Transportation in "Jabotabek" Area	2.PROJECT COST	Total Cost	Local Cost	Foreign Cost	(Description) Following the M/P report submitted in 1981, the Project Management Group (PMG) was established in 1982 to supervise the implementation in 1982. In 1985, a master program was drawn up by adjusting economic parameters of the above master plan. Based on the master plan, the immediate aim was set at implementing the following matters in stages. 1983-1989 Draw up and review the execution plan, taking into consideration the situation of fund procurement and progress of the project. 1990 Scale down the target in accordance with the delay in the scheduled work. 1991 Under the execution plan modified as mentioned above, construction is in progress toward partial completion of the commuter railway by FY1995. Notes: (1) 7 items out of the 26 items of the master plan completed, and 7 other items are in implementation. (2) Since the formation of the master plan, OECF funds have mainly been used. Other funds used include those from France.						
3.SECTOR	Transportation/Railway	(US\$1,000)	1) 540,727,272	138,981	401,745,454							
4.REFERENCE NO.		US\$1=220Yen=625Rp	2)									
5.TYPE OF STUDY	M/P+ (F/S)	3.CONTENTS OF MAJOR PROJECT(S)										
6.COUNTERPART AGENCY	Directorate General of Land Transport and Inland Waterways	- Long-term master plan with a target year 2000 - This is a big project consisting of 26 sub-projects. (1) Double tracking for about 160 km of conventional line (2) Track elevation (3) Signal automation. (4) Rolling stock base construction. (5) Construction of the Chengkareng Airport line.										
7.OBJECTIVES OF STUDY	Comprehensive modernization planning of the conventional railway network in and around Jakarta City	4.CONDITIONS AND DEVELOPMENT IMPACTS										
8.DATE OF S/W	Feb.1980	Preconditions :Sub-projects were roughly classified into three groups in terms of implementation period up to the year 2000. (1) 1st-stage group Sub-projects to be completed at the end of fiscal 1987--The purpose of these sub-projects is to give full play to the functions of the existing railway by constructing urgently needed basic facilities and strengthening transport capacity that requires an early start. (2) 2nd-stage group Sub-projects to be completed at the end of fiscal 1991-- Their purpose is to have the railway fully display its functions as an urban mode of transport and to meet the sharp increase in transport demand in the future. (3) 3rd-stage group Sub-projects to be completed at the end of fiscal 2000. They will construct new stations to induce railway passengers and new lines to develop the conventional railway network to cope with the new transport demand.										
9.CONSULTANT(S)	Japan Railway Technical Service	5.TECHNICAL TRANSFER										
10.STUDY TEAM	No.of Members 18 Period May.1980-Mar.1982 (0 months) <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">Japan</td> <td style="text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">105.68</td> <td style="text-align: center;">59.16</td> <td style="text-align: center;">46.52</td> </tr> </table>	Total M/M	Japan	Field	105.68		59.16	46.52	Site investigations were conducted with the cooperation of counterparts.			
Total M/M	Japan	Field										
105.68	59.16	46.52										
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		3.PRINCIPAL SOURCE OF INFORMATION										
12.EXPENDITURE	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total</td> <td style="text-align: right;">264,645 (¥'000)</td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td style="text-align: right;">250,672</td> </tr> </table>	Total	264,645 (¥'000)	Contracted	250,672	2.MAJOR REASONS FOR PRESENT STATUS (1) Size of the impact from the project implementation. (2) Importance of this project in Indonesia. (3) Strength of setup for the project promotion: The Indonesian government established PMG to promote the JABOTABEK project, and JARTS is providing its fullest cooperation as an in-house consultant.						
Total	264,645 (¥'000)											
Contracted	250,672											

和名 ジャカルタ大都市圏鉄道輸送計画

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

PROJECT SUMMARY (M/P+F/S)

ASE IDN/S 204B/82

Compiled Mar.1990
Revised Mar.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 and Serpong. Between Jakarta and Manqarai on the Central Line of the Indonesian State Railways		1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing				
2.NAME OF STUDY	Urban/Suburban Railway Transportation in "Jabotabek" Area	2.PROJECT COST (US\$1,000)		Total Cost	Local Cost			Foreign Cost			
3.SECTOR	Transportation/Railway	3.CONTENTES OF MAJOR PROJECT(S)		1)	2)	3)	(Description) After the completion of the F/S, the D/D was undertaken with the OECF loan in 1986, and the construction has been carried out stage by stage. Funds have been entirely supplied by OECF loans. Trial opening was targeted in April 1992, partial opening in August 1992, and full opening in the same year. May 1982 OECF loan agreement signed (5,524 million yen) Sep.1983 OECF loan agreement signed (6,631 million yen) Jun.1984 OECF loan agreement signed (5,203 million yen) Dec.1985 OECF loan agreement signed (9,331 million yen) Mar.1987 OECF loan agreement signed (27,661 million yen) Dec.1987 OECF loan agreement signed (13,565 million yen) Dec.1989 OECF loan agreement signed (10,381 million yen) Sep.1991 OECF loan agreement signed (7,400 million yen) Sep.1992 OECF loan agreement signed (15,347 million yen)				
4.REFERENCE NO.		1) Track Facilities and Structures embankment, reinforced concrete, grade separated girder		131,304		66,087		65,217			
5.TYPE OF STUDY	(M/P)+F/S	2) Station Plan: Construction of Kota Intan station in Route A Construction of signal stations: Route A(3 points), Route C(4 points) Effective track length of stations and signal stations: 210m Station facilities: station main building,platform,etc.		US\$1=230Yen=630Rp							
6.COUNTERPART AGENCY		3) Electrification Plan Railway length around 20km for Route A, around 15 km for Route C DC 1500V electric traction system Substations: 3 for Route A, 2 for Route C High-voltage power distribution lines, Traction power feeding lines.									
7.OBJECTIVES OF STUDY		4) Signalling and Telecommunication Plan signalling color light signals, electric switch machine,etc.									
8.DATE OF S/W	Feb.1980	Imp. Period: .1986-.1992									
9.CONSULTANT(S)	Japan Railway Technical Service	4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 14.30	FIRR1)					
10.STUDY TEAM	No.of Members 14 Period May.1980-Mar.1982(27 months)	Conditions and Development Impacts: [Preconditions] - Removal of houses on railway land - Future measures for land - use control - Acquisition of roads for construction work - Sufficient power supply - Adjustment of road projects and this project [Development impacts] - Alleviation of road traffic congestion in the future - Creation of secondary city centers and alleviation of excessive population concentration in the primary city center. - Utilization of land below elevated tracks. - Increase in speed and frequency of trains.		EIRR2)	FIRR2)						
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.TECHNICAL TRANSFER									
12.EXPENDITURE	Total 264,645 (¥'000) Contracted 250,672	Site investigations were conducted with the cooperation of counterparts.									
						2.MAJOR REASONS FOR PRESENT STATUS					
						3.PRINCIPAL SOURCE OF INFORMATION					
						①④					

和名 ジャカルタ大都市圏鉄道輸送計画 (中央線高架化)

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

PROJECT SUMMARY (M/P+F/S)

ASE IDN/S 205A/82

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS									
1.COUNTRY	Indonesia	1.SITE OR AREA	The Eastern Part of the Republic 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	Telecommunications Network Development in the Eastern Part	2.PROJECT COST						Total Cost	Local Cost	Foreign Cost				
3.SECTOR	Communications & Broadcasting/Telecommunication		(US\$1,000)	1)	2)	(Description) A feasibility study was subsequently undertaken on Sulawesi.								
4.REFERENCE NO.			US\$1=230Yen=660Rp	415,297	111,080			304,217						
5.TYPE OF STUDY	M/P+(F/S)	3.CONTENTS OF MAJOR PROJECT(S)												
6.COUNTERPART AGENCY	POSTEL/PERUMTEL	The digital terrestrial radio transmission network, and submarine cable network by optical communication system are to be introduced in the eastern region. Digital terrestrial radio transmission network: 6GHZ 1440 channel method 1,486km 6GHZ 480 channel method 1,946km 2GHZ 240 channel method 719km Submarine Cable: trunk route/2,980km branch route/540km substitute route for transmission/320km terrestrial												
7.OBJECTIVES OF STUDY	Formulating the master plan for terrestrial transmission network improvement and expansion covering the eastern region. The master plan is a long term plan taking into consideration all foreseeable development up to the year 2005.	4.CONDITIONS AND DEVELOPMENT IMPACTS												
8.DATE OF S/W	Dec.1981	In the eastern region of Indonesia, the domestic satellite communication system is already in operation. In addition to this existing system, a new terrestrial transmission network including of the submarine cable network was installed. By these two systems, an advanced and stable telecommunication service network is to be realized throughout the region. This constitutes the basic philosophy of the investigation.												
9.CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.	10.STUDY TEAM			2.MAJOR REASONS FOR PRESENT STATUS (1) High priority (2) Effectiveness									
		No. of Members 14 Period Jan.1982-Nov.1982 (10 months)												
		<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Total M/M</th> <th style="text-align: left;">Japan</th> <th style="text-align: left;">Field</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">55.83</td> <td style="text-align: center;">32.33</td> <td style="text-align: center;">23.50</td> </tr> </tbody> </table>			Total M/M			Japan	Field	55.83	32.33	23.50		
Total M/M	Japan	Field												
55.83	32.33	23.50												
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.TECHNICAL TRANSFER			3.PRINCIPAL SOURCE OF INFORMATION ①									
12.EXPENDITURE		(1) Trainee acceptance: 3 counterparts invited to Japan, and training for preparation of M/P. (2) On the job training (PERUMTE counterparts)												
		<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Total</th> <th style="text-align: left;">139,628 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Contracted</td> <td style="text-align: center;">110,627</td> </tr> </tbody> </table>			Total	139,628 (¥'000)	Contracted	110,627						
Total	139,628 (¥'000)													
Contracted	110,627													

和名 東部地域電気通信網整備計画 (スラウェシ電気通信網整備計画のM/P)

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

PROJECT SUMMARY (M/P+F/S)

ASE IDN/S 205B/82

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT											
1.COUNTRY	Indonesia	1.SITE OR AREA				1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input checked="" type="checkbox"/> Processing										
2.NAME OF STUDY	Telecommunications Network Development in the Eastern Part	Sulawesi															
3.SECTOR	Communications & Broadcasting/Telecommunication	2.PROJECT COST		Total Cost	Local Cost	Foreign Cost											
4.REFERENCE NO.		(US\$1,000)	1)	128,355	57,577	70,778											
5.TYPE OF STUDY	(M/P) +F/S	(US\$1=270Yen)	2)														
6.COUNTERPART AGENCY	POSTEL/PERUMTEL		3)														
7.OBJECTIVES OF STUDY	Formulating the master plan for terrestrial transmission network improvement and expansion covering the eastern region.The master plan is a long term plan taking into consideration all foreseeable development up to the year 2005.	3.CONTENTS OF MAJOR PROJECT(S)				(Description) June 1984 OECF E/S loan agreement (442 million yen) July 1988 E/S completed French Government decided to implement the part of this project.											
8.DATE OF S/W	Dec.1981	Construction period for Microwave Network(2,371 L.U.) is divided into three stages: 1984-1989(Repelita IV), 1990-1994(Repelita V) 1995-1999(Repelita VI)															
9.CONCONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 12.29 EIRR2) EIRR3)	FIRR1) 14.62 FIRR2) FIRR3)											
10.STUDY TEAM	No.of Members 14 Period Jan.1982-Nov.1982(10 months)	Telephone Service <table style="display: inline-table; border: none; margin-left: 10px;"> <tr><td>Year</td><td>Installation objective</td></tr> <tr><td>1989</td><td>1,181,500 line units</td></tr> <tr><td>1994</td><td>1,889,100 line units</td></tr> <tr><td>1999</td><td>3,017,300 line units</td></tr> <tr><td>2000</td><td>3,295,200 line units</td></tr> </table>				Year	Installation objective	1989	1,181,500 line units	1994	1,889,100 line units	1999	3,017,300 line units	2000	3,295,200 line units	Number of Telephones installation 1,000,000 1,600,000 2,560,000 2,800,000	
Year	Installation objective																
1989	1,181,500 line units																
1994	1,889,100 line units																
1999	3,017,300 line units																
2000	3,295,200 line units																
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		Telegraph Service <table style="display: inline-table; border: none; margin-left: 10px;"> <tr><td>Year</td><td>Installation objective</td></tr> <tr><td>1989</td><td>28,100 line units</td></tr> <tr><td>1994</td><td>41,300 line units</td></tr> <tr><td>1999/2000</td><td>62,900 line units</td></tr> </table>				Year	Installation objective	1989	28,100 line units	1994	41,300 line units	1999/2000	62,900 line units				
Year	Installation objective																
1989	28,100 line units																
1994	41,300 line units																
1999/2000	62,900 line units																
12.EXPENDITURE	Total 139,628 (¥'000) Contracted 110,627	5. TECHNICAL TRANSFER				2.MAJOR REASONS FOR PRESENT STATUS											
		(1) Trainee Acceptance; 2 counterparts invited the Japan, and training the contents of project. (2) OJT put on counterparts.				High priority ; Indonesian Government recognizes the need for this project.											
						3.PRINCIPAL SOURCE OF INFORMATION											
						①④											

和名 スラウエシ電気通信網整備計画 (東部地域電気通信網整備計画のF/S)

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

PROJECT SUMMARY (F/S)

ASE IDN/S 320/82

Compiled Mar.1986
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT		
1.COUNTRY	Indonesia	1.SITE OR AREA				1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input 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	Bali International Airport Development	Bali Island						
3.SECTOR	Transportation/Air Transportation & Airport	2.PROJECT COST		Total Cost	Local Cost	Foreign Cost	(Description) The project was completed by the OECF financing. Oct.1983 OECF loan agreement (E/S, 565 million yen) Jan.1987 OECF loan agreement (18,990 million yen, of which 4,077 million for local cost portion) for the civil engineering works, construction of terminal buildings, and installation of navigational aids Jul.1988 Construction tender closed Apr.1989 Construction contract signed Oct.1989 Construction started Sep.1992 Construction completed	
4.REFERENCE NO.				1) 159,000	54,000			
5.TYPE OF STUDY	F/S			2)				
6.COUNTERPART AGENCY	Directorate General of Air Communication			3)				
7.OBJECTIVES OF STUDY	Airport planning	3.CONTENTS OF MAJOR PROJECT(S)						
8.DATE OF S/W	Dec.1981	Imp. Period: .1984-.2001						
9.CONSULTANT(S)	Pacific Consultants International	4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 20.80 EIRR2) EIRR3)	FIRR1) 7.95 FIRR2) FIRR3)		
10.STUDY TEAM	No.of Members 10 Period Dec.1981-Jul.1982(8 months)	Conditions and Development Impacts: Total length of runway is not long enough as an international airport. A weight limit has been imposed between Tokyo and Bali. Space between runway and taxiway will be altered to meet ICAO Standards. The buildings in terminal area will be moved. The scale of the airport and its facilities has been planned on the basis of air traffic demand for targetted year 2010. The development of the airport would contribute to internal transportation, economic development, international trade, regional development in eastern part of the country.				2.MAJOR REASONS FOR PRESENT STATUS		
	Total M/M Japan Field							
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.TECHNICAL TRANSFER				3.PRINCIPAL SOURCE OF INFORMATION		
12.EXPENDITURE	Total 57,690 (Y'000) Contracted 52,384	(1) Held several seminars for counterpart staff on the content of reports (2) Overseas training for JICA trainees						①④

和名 バリ国際空港整備拡充計画

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

PROJECT SUMMARY (F/S)

ASE IDN/S 319/82

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT											
1.COUNTRY	Indonesia	1.SITE OR AREA				1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing										
2.NAME OF STUDY	Lower Jeneberang River Flood Control Project/Jeneberang River Flood Control Project (Phase II)	Ujung Pandang City/Sulawesi															
3.SECTOR	Social Infrastructures/River & Erosion Control	2.PROJECT COST		Total Cost	Local Cost	(Description) The project is under implementation by the OECF financing. May 1981 OECF I/A signed (E/S, 198 million yen) Feb.1984 D/D completed Feb.1985 OECF I/A signed (5,381 million yen) for emergency flood control measures Feb.1988 Construction started Dec.1993 Construction to be completed Realized project: River improvement: 9.6km New drainage channel: 7.83km Improvement of existing drainage channel: 4.92km & 2.35km Total cost: US\$48 million											
4.REFERENCE NO.		(US\$1,000)		603,560	305,550			298,010									
5.TYPE OF STUDY	F/S	US\$1=250Yen=2.3Rp				2.MAJOR REASONS FOR PRESENT STATUS (1) Uninterrupted Factors, close relations to other projects: Bili Bili dam construction project on the same Jeneberang river is simultaneously in progress (2) Degree of Priority: Ujung Pandang City is the center of developing cities in Sulawesi Province. (3) Magnitude of Effect: Immediate effects can be expected (4) Advantage in Impulse Structure: The structure is organized in good shape.											
6.COUNTERPART AGENCY	Ministry of Public Works, Directorate General of Water Resources Development	3.CONTENTS OF MAJOR PROJECT(S)															
7.OBJECTIVES OF STUDY	Study of possibility of water resources development. Formation of urgent plan of flood control and drainage improvement Preliminary design of flood control and drainage improvement under urgent plan	1) Dam and Reservoir				3.PRINCIPAL SOURCE OF INFORMATION ①④											
8.DATE OF S/W	Feb.1979	2) River Improvement															
9.CONSULTANT(S)	CTI Engineering Co., Ltd.	3) Water Supply				4.FEASIBILITY AND ITS ASSUMPTIONS Feasibility: Yes EIRR1) 14.80 FIRR1) EIRR2) FIRR2) EIRR3) FIRR3)											
10.STUDY TEAM	No. of Members 11 Period Jun.1979-Feb.1980 (22 months) Jan.1981-Mar.1982 Total M/M Japan Field 84.64 52.50 32.14	4) Irrigation System Improvement: Bili-Bili & Kampili systems															
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Survey	5) Construction of Hydro Power Station (floor 38m x 22m, 32m high) Generating Equipment (Installed capacity 5,600KW x 2)				Conditions and Development Impacts: Conditions: The Evaluation was undertaken based on the total cost and benefit resulting from the urgent flood control plan, the irrigation system improvement, and the Hydro power station. The cost & benefit of the water supply was exempted. The project life is 50 years from 1982, when the engineering service begins. Development Impacts: The IRR can be classified by sector as follows: <table style="margin-left: 20px;"> <tr> <td>Purpose</td> <td>IRR(%)</td> </tr> <tr> <td>Flood Control</td> <td>14.9</td> </tr> <tr> <td>Irrigation</td> <td>15.2</td> </tr> <tr> <td>Power</td> <td>13.3</td> </tr> <tr> <td>Total</td> <td>14.8</td> </tr> </table>		Purpose	IRR(%)	Flood Control	14.9	Irrigation	15.2	Power	13.3	Total	14.8
Purpose	IRR(%)																
Flood Control	14.9																
Irrigation	15.2																
Power	13.3																
Total	14.8																
12.EXPENDITURE	Total 306,901 (¥'000) Contracted 139,603	5.TECHNICAL TRANSFER		Arranged for the two counterparts the study of D/D and S/V execution besides F/S.													

和名 ジェネベラン河下流域治水計画/ジェネベラン河治水計画 (Phase II)

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

PROJECT SUMMARY (F/S)

ASE IDN/A 304/82

Compiled Mar.1990

Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT																					
1.COUNTRY	Indonesia	1.SITE OR AREA		South-west part of South Sumatra Province and northern part of Lampung Province 50,600ha (Population 114,000)		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	Komering-1 Irrigation Development Project in the Upper Komering River Basin	2.PROJECT COST						Total Cost	Local Cost	Foreign Cost																	
3.SECTOR	Agriculture/General			(US\$1,000)	321,000	122,000	199,000																				
4.REFERENCE NO.		3.CONTENTES OF MAJOR PROJECT(S)		1) Irrigation Area : 68,300 ha Muncak Kabau area (10,700ha) Lampung area (13,100ha) Tulangbawang area (44,500ha) 2) Ranau Dam : Concrete gravity dam. Designed discharge 50cu.m/sec 3) Main/Secondary, Tertiary Canal : 134/1,117 km 4) Main/Secondary, Tertiary Drain : 180/1,264 km 5) Main Road : 135 km																							
5.TYPE OF STUDY	F/S																										
6.COUNTERPART AGENCY	Ministry of Public Works, Directorate General of Water Resources Development			(Description) Sep.1983 OECF L/A signed (E/S 1,180 million yen) Mar.1985 - Sep.1989 D/D undertaken Dec.1989 OECF L/A signed (21.518 billion yen) 11 billion yen is used for the Komering project Oct.1990 Construction started Dec.1995 Construction to be completed Subprojects of the OECF Loan (21.518 billion yen): - Ural River improvement and irrigation - Upper Komering irrigation development - Flood control in East Jakarta - Brantas River improvement																							
7.OBJECTIVES OF STUDY	F/S for Upper komering Basin Agriculture Study including water balance suvey																										
8.DATE OF S/W	Dec.1978	Imp. Period:		Apr.1983-Sep.1991																							
9.CONSULTANT(S)	Nihon Koel Co., Ltd. Japan Irrigation and Reclamation Consultants Co,	4.FEASIBILITY AND ITS ASSUMPTIONS		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Feasibility:</td> <td style="width: 25%;">EIRR1)</td> <td style="width: 25%;">16.20</td> <td style="width: 25%;">FIRR1)</td> </tr> <tr> <td>Yes</td> <td>EIRR2)</td> <td></td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> </tr> </table>				Feasibility:	EIRR1)	16.20	FIRR1)	Yes	EIRR2)		FIRR2)		EIRR3)		FIRR3)								
Feasibility:	EIRR1)	16.20	FIRR1)																								
Yes	EIRR2)		FIRR2)																								
	EIRR3)		FIRR3)																								
10.STUDY TEAM	No.of Members 13 Period Sep.1979-Mar.1982 (31 months)	<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="4" style="text-align: center;">Amount (unit:1,000ton)</td> </tr> <tr> <td style="width: 25%;">Farm Products</td> <td style="width: 25%;">Amount per 1 ha. (ton/ha)</td> <td style="width: 25%;">Muncak Kabau</td> <td style="width: 25%;">Lempuing West East</td> </tr> <tr> <td>Rice (Wet/dry season)</td> <td>4.0/4.5</td> <td>42.8/32.1</td> <td>52.4/39.3 125.2/93.9 28.8/21.6</td> </tr> <tr> <td>Peanuts</td> <td>1.3</td> <td>2.3</td> <td>2.9 6.8 7.8</td> </tr> <tr> <td>Soybeans</td> <td>1.3</td> <td>2.3</td> <td>2.9 6.8 -</td> </tr> </table>		Amount (unit:1,000ton)				Farm Products	Amount per 1 ha. (ton/ha)	Muncak Kabau	Lempuing West East	Rice (Wet/dry season)	4.0/4.5	42.8/32.1	52.4/39.3 125.2/93.9 28.8/21.6	Peanuts	1.3	2.3	2.9 6.8 7.8	Soybeans	1.3	2.3	2.9 6.8 -	(Development Impacts) Increase of crop yields, saving of foreign currency, increase of employment opportunity; Introduction of diversification cropping pattern, improvement of living standard and more equitable distribution of income and welfare of the people; Settlement of transmigrants.			
Amount (unit:1,000ton)																											
Farm Products	Amount per 1 ha. (ton/ha)	Muncak Kabau	Lempuing West East																								
Rice (Wet/dry season)	4.0/4.5	42.8/32.1	52.4/39.3 125.2/93.9 28.8/21.6																								
Peanuts	1.3	2.3	2.9 6.8 7.8																								
Soybeans	1.3	2.3	2.9 6.8 -																								
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY																											
12.EXPENDITURE	Total 483,029 (¥'000) Contracted 443,096	5. TECHNICAL TRANSFER		Technology transfer to counterparts in the course of the study																							
				2.MAJOR REASONS FOR PRESENT STATUS																							
				none																							
				3.PRINCIPAL SOURCE OF INFORMATION																							
				①④																							

和名 コメリン川上流域農業開発計画

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

PROJECT SUMMARY (F/S)

ASE IDN/A 305/82

Compiled Mar.1990
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT		
1.COUNTRY	Indonesia	1.SITE OR AREA	8 states including Aceh, Southern Sumatra, Lampung, Southern Kalimantan, Southern Sulawesi, Eastern Java, Central Java, and Western Java			1.PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="radio"/> Completed <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled	
2.NAME OF STUDY	Rice Pest Forecasting and Control Project	2.PROJECT COST	Total Cost	Local Cost	Foreign Cost		
3.SECTOR	Agriculture/General		(US\$1,000)	1) 48,000	29,585	(Description) The project was implemented by the Japanese grant aid and partly by the OECF loan. Mar.1984 L/A signed for OECF loan (5,800 million yen) Provision of agricultural machines (threshers, dryers rice millers) for 7 provinces Apr.1985 E/N signed for Japanese grant (445 million yen) Aug.1985 - Jan.1986 Basic design study undertaken Feb.1986 E/N signed for Japanese grant (2,061 million yen) Aug.1986 E/N signed for Japanese grant (1,230 million yen) Jul.1987 E/N signed for Japanese grant (1,978 million yen) Apr.1987 - Mar.1992 JICA technical cooperation project "Plant Protection Project Phase II" implemented	
4.REFERENCE NO.			2) US\$1=251.85Yen in 1982	3)			
5.TYPE OF STUDY	F/S	3.CONTENTS OF MAJOR PROJECT(S)	(1) In the capital the facilities of Directorate of Food Crop Protection should be rationalized. For carrying out local projects the following items should be established. Food crop protection centers: 7 locations Pest forecasting laboratories: 20 locations Pest monitoring stations: 100 locations Agro-chemical test stations: 3 locations (2) In addition a plan for education and training was formulated to raise capabilities and technique of officials of the corresponding institutions.				
6.COUNTERPART AGENCY	Directorate General of Food Crop Agriculture, Ministry of Agriculture	7.OBJECTIVES OF STUDY					Formulation of an overall development plan model for the Food Crop Protection System including a delineation of the pest forecasting control system and a staff education /training programme.
8.DATE OF S/W	Feb.1982	8.DATE OF S/W	Imp. Period: Feb.1982-Oct.1983				
9.CONSULTANT(S)	Chuo Kaihatsu Cor.	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 22.82	FIRR1)		
10.STUDY TEAM	No.of Members 7 Period Jan.1982-Mar.1982 (3 months)	Conditions and Development Impacts: Project will reduce damage by pests to crops. Project life is estimated at 50 years, with a 5 year construction period. Impacts: - To release farmers from unnecessary application of pesticides and expenditure thereby incurred, and the income increase of crop yields. - A rise in rural socio-economic levels and a rectification of the deteriorating inter-regional economic balance. - To reduce the nation's continuing import of staple foods and production materials, and to promote a more favorable balance of international payments. - To stimulate the infrastructure development of other sector of trade, finance, education, transportation, etc., thereby widely apportioning the benefits of the Project throughout the national economy.			2.MAJOR REASONS FOR PRESENT STATUS		
	Total M/M						Japan
	29.98	18.02	9.96	3.PRINCIPAL SOURCE OF INFORMATION ④			
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.technical transfer	(1) Training in Japan (2) OJT				
12.EXPENDITURE							
	Total	78,924 (¥'000)					
	Contracted	68,220					

和名 稻病虫害発生予察防除計画

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

PROJECT SUMMARY (F/S)

ASE IDN/A 306/82

Compiled Mar.1990
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT																															
1.COUNTRY	Indonesia	1.SITE OR AREA			1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input 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 Rice Seed Production and Distribution Project		D.I. Aceh, South Sumatra, Lampung																																		
3.SECTOR Agriculture/General		2.PROJECT COST			(Description) Apr.1984 OECF appraisal mission Feb.1985 OECF L/A signed (3 billion yen) Construction of 11 seed processing centers in three provinces in Sumatra Aug. - Nov.1987 Because the implementation was delayed partly owing to the budget allocation of the Indonesian Government, a re-study had to be undertaken. As a result of the restudy, eleven seed processing centers in five provinces (Aceh, Lampung, South Sumatra, West Java and South Sulawesi) were selected for financing. Feb.1992 Construction completed																															
4.REFERENCE NO.		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">Total Cost</td> <td style="width: 15%; text-align: center;">Local Cost</td> <td style="width: 15%; text-align: center;">Foreign Cost</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">47,702</td> <td style="text-align: center;">22,260</td> <td style="text-align: center;">25,442</td> </tr> </table>							Total Cost	Local Cost	Foreign Cost			47,702	22,260	25,442																				
		Total Cost	Local Cost	Foreign Cost																																
		47,702	22,260	25,442																																
5.TYPE OF STUDY F/S		3.CONTENTES OF MAJOR PROJECT(S) 1) Consolidation and Establishment of Seed Farm <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">Aceh</td> <td style="width: 15%; text-align: center;">South Sumatra</td> <td style="width: 15%; text-align: center;">Lampung</td> <td style="width: 15%; text-align: center;">(ha)</td> </tr> <tr> <td>C.S.F.</td> <td style="text-align: center;">19.0</td> <td style="text-align: center;">12.6</td> <td style="text-align: center;">16.0</td> <td></td> </tr> <tr> <td>M.S.F.</td> <td style="text-align: center;">8.3</td> <td style="text-align: center;">42.3</td> <td style="text-align: center;">33.3</td> <td></td> </tr> </table> 2) Construction of Seed Processing centers <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">6.5</td> <td style="width: 15%; text-align: center;">5.7</td> <td style="width: 15%; text-align: center;">4.6</td> <td style="width: 15%;"></td> </tr> <tr> <td>Area Size(ha)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>The required amt. of E.S.</td> <td style="text-align: center;">3,139</td> <td style="text-align: center;">2,885</td> <td style="text-align: center;">3,137</td> <td></td> </tr> </table> 3) Construction of Central Seed Storage. 4) Establishment of seed distribution system. 5) Establishment of S.C.C.S. (Seed Control and Certification Service)						Aceh	South Sumatra	Lampung	(ha)	C.S.F.	19.0	12.6	16.0		M.S.F.	8.3	42.3	33.3			6.5	5.7	4.6		Area Size(ha)					The required amt. of E.S.	3,139	2,885	3,137	
	Aceh	South Sumatra	Lampung	(ha)																																
C.S.F.	19.0	12.6	16.0																																	
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The required amt. of E.S.	3,139	2,885	3,137																																	
6.COUNTERPART AGENCY Directorates General of Food Crops Agriculture.																																				
7.OBJECTIVES OF STUDY Improvement of quality of seed production and promotion of seed distribution and clarify their technological and economical justification, at the same time transfer of the technology and know-how to the officials of the government to																																				
8.DATE OF S/W Dec.1981		Imp. Period: .1983-.1988																																		
9.CONSULTANT(S) Overseas Merchandise Inspection Co., Ltd. Taiyo Consultants Co., Ltd.		4.FEASIBILITY AND ITS ASSUMPTIONS Feasibility: Yes <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">EIRR1)</td> <td style="width: 15%; text-align: center;">36.50</td> <td style="width: 15%; text-align: center;">FIRR1)</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">EIRR2)</td> <td></td> <td style="text-align: center;">FIRR2)</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">EIRR3)</td> <td></td> <td style="text-align: center;">FIRR3)</td> </tr> </table>					EIRR1)	36.50	FIRR1)			EIRR2)		FIRR2)			EIRR3)		FIRR3)																	
		EIRR1)	36.50	FIRR1)																																
		EIRR2)		FIRR2)																																
		EIRR3)		FIRR3)																																
10.STUDY TEAM No.of Members 11 Period Jan.1982-Dec.1982 (12 months)		Conditions and Development Impacts: Conditions: - The direct benefits are the increase of rice production and the income increase of farmers. - The increase of rice production is expected to be 549,000 tons, the income increase of farmers to be \$56,260,000 per year. (\$1=Rp.654). Development Impacts: Release from food shortage. Conservation of scarce foreign currency by reducing import of rice. Contribution to the stabilization of consumer's price and producer's price of rice. Increase of farmers' income.																																		
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER																																		
12.EXPENDITURE		3.PRINCIPAL SOURCE OF INFORMATION																																		
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">Total</td> <td style="width: 15%; text-align: center;">116,698 (Y'000)</td> <td style="width: 15%;"></td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">98,636</td> <td></td> </tr> </table>				Total	116,698 (Y'000)				Contracted	98,636		①④																								
		Total	116,698 (Y'000)																																	
		Contracted	98,636																																	

和名 稻種子生産・配布計画

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

PROJECT SUMMARY (F/S)

ASE IDN/A 308/82

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT																			
1.COUNTRY	Indonesia	1.SITE OR AREA		Sanrego Area of South Sulawesi Province (Investigated Area 17,500ha, Population 38,400 as of 1981.)		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		2.PROJECT COST																							
Sanrego Irrigation Project		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"></td> <td style="width: 10%; text-align: center;">1)</td> <td style="width: 15%; text-align: center;">Total Cost</td> <td style="width: 15%; text-align: center;">Local Cost</td> <td style="width: 15%; text-align: center;">Foreign Cost</td> </tr> <tr> <td style="text-align: center;">(US\$1,000)</td> <td></td> <td style="text-align: center;">54,192</td> <td style="text-align: center;">30,468</td> <td style="text-align: center;">23,724</td> </tr> <tr> <td></td> <td style="text-align: center;">2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">3)</td> <td></td> <td></td> <td></td> </tr> </table>			1)	Total Cost	Local Cost	Foreign Cost	(US\$1,000)		54,192	30,468	23,724		2)					3)				(Description) Since around 1985, the implementation of the project has been started by the World Bank finance.	
	1)	Total Cost	Local Cost	Foreign Cost																					
(US\$1,000)		54,192	30,468	23,724																					
	2)																								
	3)																								
3.SECTOR		3.CONTENTES OF MAJOR PROJECT(S)																							
Agriculture/General		1. Irrigation Area: 8,000 ha 2. Diversion Weir: Wet Stone Masonry, Crest 40m long, Weir 10m high 3. Small Intake Weir: 3 places 4. Irrigation Canal: Main 11.6 km, Branch 97.5 km 5. Head Reach : 4.9 km 6. Farm Road : 13.2 km																							
4.REFERENCE NO.		Imp. Period: Oct.1983-Mar.1989		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">4.FEASIBILITY AND ITS ASSUMPTIONS</td> <td style="width: 10%;">Feasibility:</td> <td style="width: 15%; text-align: center;">EIRR1)</td> <td style="width: 15%; text-align: center;">15.10</td> <td style="width: 15%; text-align: center;">FIRR1)</td> </tr> <tr> <td></td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">EIRR2)</td> <td></td> <td style="text-align: center;">FIRR2)</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">EIRR3)</td> <td></td> <td style="text-align: center;">FIRR3)</td> </tr> </table>		4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility:	EIRR1)	15.10	FIRR1)		Yes	EIRR2)		FIRR2)			EIRR3)		FIRR3)					
4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility:					EIRR1)	15.10	FIRR1)																	
	Yes	EIRR2)		FIRR2)																					
		EIRR3)		FIRR3)																					
5.TYPE OF STUDY		Conditions and Development Impacts: Condition: Irrigation benefit was estimated as the difference of net annual production between with-project and without project conditions. Attainment of the target production is after 5 years in existing paddy areas, eight years in new areas after project completion. Development Impact: Increase of agricultural products, Raise in dwellers' living standard in the development area.		2.MAJOR REASONS FOR PRESENT STATUS none																					
F/S																									
6.COUNTERPART AGENCY		5.TECHNICAL TRANSFER Technology transfer to counterparts in the course of the study		3.PRINCIPAL SOURCE OF INFORMATION ①																					
Ministry of Public Works Directorate General of Water Resources Development																									
7.OBJECTIVES OF STUDY																									
F/S - to verify the thechnical and economic feasibility of the project -tounder take on-the-job training and transfer of knowledge of the Indonesian counterparts in the course of the survey and study																									
8.DATE OF S/W	Mar.1982																								
9.CONSULTANT(S)																									
Nihon Koei Co., Ltd. Nippon Giken Inc.																									
10.STUDY TEAM																									
No.of Members 12 Period Jun.1982-Mar.1983 (10 months)																									
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"></td> <td style="width: 10%; text-align: center;">Japan</td> <td style="width: 15%; text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">1.50</td> <td style="text-align: center;">48.87</td> </tr> <tr> <td style="text-align: center;">50.37</td> <td></td> <td></td> </tr> </table>			Japan	Field	Total M/M	1.50	48.87	50.37																	
	Japan	Field																							
Total M/M	1.50	48.87																							
50.37																									
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY																									
12.EXPENDITURE																									
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"></td> <td style="width: 10%; text-align: center;">201,611 (¥'000)</td> </tr> <tr> <td style="text-align: center;">Total</td> <td></td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">189,003</td> </tr> </table>			201,611 (¥'000)	Total		Contracted	189,003																		
	201,611 (¥'000)																								
Total																									
Contracted	189,003																								

和名 サンレゴかんがい開発計画

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

PROJECT SUMMARY (F/S)

ASE IDN/A 307/82

Compiled Mar.1990
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT																			
1.COUNTRY	Indonesia	1.SITE OR AREA		1.PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing <input type="checkbox"/>		(Description) Jun.1984 OECF L/A signed (E/S 550 million yen) Feb.1987 - Dec.1988 D/D undertaken (Nippon Koei Co.) Dec.1990 OECF L/A signed (Phase I, 6,460 million yen) Feb.1992 Construction started Oct.1992 OECF L/A signed (Phase II, 3,788 million yen) Jul.1995 Construction to be completed OECF Loans: - Irrigation development of 9,524 ha - Bila intake weir (height 13m) - Kalola Dam (height 31m) - Irrigation canals (main 46km, secondary 98km) - Drainage canals (87km)																			
2.NAME OF STUDY		Bila of South Sulawesi Province (Investigated Area 20,000ha, Population 83,700 in 1980)																							
Bila Irrigation Project		2.PROJECT COST		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">Total Cost</td> <td style="width: 10%; text-align: center;">Local Cost</td> <td style="width: 10%; text-align: center;">Foreign Cost</td> </tr> <tr> <td style="text-align: center;">(US\$1,000)</td> <td style="text-align: center;">1)</td> <td style="text-align: center;">108,517</td> <td style="text-align: center;">52,682</td> <td style="text-align: center;">55,835</td> </tr> <tr> <td></td> <td style="text-align: center;">2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">3)</td> <td></td> <td></td> <td></td> </tr> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	1)	108,517	52,682	55,835		2)					3)			
		Total Cost	Local Cost	Foreign Cost																					
(US\$1,000)	1)	108,517	52,682	55,835																					
	2)																								
	3)																								
3.SECTOR		3.CONTENTES OF MAJOR PROJECT(S)																							
Agriculture/Irrigation, Drainage & Reclamation		Irrigation Area: 9,800 ha																							
4.REFERENCE NO.		1) Bila intake weir: 70m long, 12.7m high.																							
5.TYPE OF STUDY		2) Kalola dam: Rockfill type, Crest 230m long, Dam 30.5m high																							
F/S		3) Irrigation Canals: Main canal 46.1km																							
6.COUNTERPART AGENCY		Secondary canal 98.3m.																							
Ministry of Public Works, Directorate General of Water Resources Development		4) Drainage canal: 86.5km																							
7.OBJECTIVES OF STUDY		5) Farm roads: 172.5km																							
F/S for south Sulawesi province Agriculture Development Technology transfer to Indonesian staff		6) Tertiary system: 9,800ha.																							
8.DATE OF S/W		Imp. Period: Mar.1983-Feb.1990																							
Feb.1981		4.FEASIBILITY AND ITS ASSUMPTIONS																							
9.CONSULTANT(S)		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">Feasibility:</td> <td style="width: 10%; text-align: center;">EIRR1)</td> <td style="width: 10%; text-align: center;">15.30</td> <td style="width: 10%; text-align: center;">FIRR1)</td> </tr> <tr> <td></td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">EIRR2)</td> <td></td> <td style="text-align: center;">FIRR2)</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">EIRR3)</td> <td></td> <td style="text-align: center;">FIRR3)</td> </tr> </table>					Feasibility:	EIRR1)	15.30	FIRR1)		Yes	EIRR2)		FIRR2)			EIRR3)		FIRR3)					
	Feasibility:	EIRR1)	15.30	FIRR1)																					
	Yes	EIRR2)		FIRR2)																					
		EIRR3)		FIRR3)																					
Nihon Koei Co., Ltd. Nippon Giken Inc.		Conditions and Development Impacts: [Condition] Economic benefit of the project was estimated by only the direct benefit derived from the crop production with the irrigation development. The economic evaluation was made based on 50 years of project life starting from 1983 which would be the starting year of the construction, assuming that Realization of target benefit is primarily 5 years after start of the cropping. [Development Impacts] 1) The increase of the net reserve or capacity to pay of the average size farmers from Rp.1,190 to Rp.302,810 per annum. 2) Saving of foreign currency for import of rice. 3) Demonstration effects of modern irrigation practices. 4) Increase of employment opportunity. 5) Improvement of quality of farm products and increase of marketability. 6) Improvement of rural environment.																							
10.STUDY TEAM		5. TECHNICAL TRANSFER		2.MAJOR REASONS FOR PRESENT STATUS																					
No. of Members 13 Period Jun.1981-Jun.1982 (13 months)		Technology transfer to counterparts in the course of the study																							
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">Japan</td> <td style="width: 10%; text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">Total M/M</td> <td></td> <td style="text-align: center;">6.02</td> <td style="text-align: center;">49.00</td> </tr> <tr> <td style="text-align: center;">55.02</td> <td></td> <td></td> <td></td> </tr> </table>				Japan	Field	Total M/M		6.02	49.00	55.02						3.PRINCIPAL SOURCE OF INFORMATION									
		Japan	Field																						
Total M/M		6.02	49.00																						
55.02																									
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY																									
12.EXPENDITURE				①④																					
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">143,154 (¥000)</td> </tr> <tr> <td style="text-align: center;">Total</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td></td> <td style="text-align: center;">130,650</td> </tr> </table>						143,154 (¥000)	Total			Contracted		130,650													
		143,154 (¥000)																							
Total																									
Contracted		130,650																							

和名 ビラかんがい開発計画

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

PROJECT SUMMARY (M/P)

ASE IDN/S 111/83

Compiled Mar.1990

Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS		
1.COUNTRY	Indonesia	1.SITE OR AREA	Java island trunk railway lines: Northern route Merak-Jakarta-Banyuwangi, Southern route Cikampek-Surabaya, Connecting route Cirebon-Kroya, etc			1.PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2.NAME OF STUDY	Electrification Project of Main Railway Lines in Java	2.PROJECT COST					
3.SECTOR	Transportation/Railway	(US\$1,000)	1) 2,217,000	554,000	1,663,000	(Description)	
4.REFERENCE NO.		(US\$1=260Yen=660Rp)	2)				
5.TYPE OF STUDY	M/P	3.CONTENTS OF MAJOR PROJECT(S)			2.MAJOR REASONS FOR PRESENT STATUS		
6.COUNTERPART AGENCY	Directorate General of Land Transport and Inland Waterways	Trunk line electrification in Java - Route length: 2,500km - Work period: about 25 years - Investment: includes cost for rolling stock and various facilities - Sections with the highest priority: Jakarta - Cirebon(195km) Cikampek - Bandung(90km)					1. Worsening of the situation of electric power supply 2. Necessity of enormous funds
7.OBJECTIVES OF STUDY	Drawing up of a M/P on electrification for trunk railway lines in Java	4.CONDITIONS AND DEVELOPMENT IMPACTS			3.PRINCIPAL SOURCE OF INFORMATION		
8.DATE OF S/W	Apr.1982	1.Precondition Practically feasible(IRR 20%-) 2.Development impacts 1) Curtailment in oil use (84 X 1,000,000 gallon/year) 2) Improvement of road traffic and a reduction in road investment 3) Contribution towards the modernization and improvement of management of the Indonesian State Railways 4) Contribution to the economic development of Indonesia					①
9.CONSULTANT(S)	Japan Railway Technical Service	5. TECHNICAL TRANSFER					
10.STUDY TEAM	No.of Members 15 Period May.1982-Mar.1983(10 months)	Site investigations were jointly conducted with counterparts.					
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		12.EXPENDITURE					
		Total	177,075 (¥'000)				
		Contracted	168,810				

和名 ジャワ島幹線鉄道電化計画

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

PROJECT SUMMARY (M/P)

ASE IDN/S 113/83

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS						
1.COUNTRY	Indonesia	1.SITE OR AREA	North Banten Area. West 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	North Banten Water Resources Development	2.PROJECT COST	Total Cost	Local Cost	Foreign Cost	(Description) Based on the study, the feasibility study on Karian multi-purpose dam was undertaken with JICA assistance.					
3.SECTOR	Social Infrastructures/Water Resource Development	(US\$1,000)	1) 232,558	165,805	66,752						
4.REFERENCE NO.		(US\$1=232.2yen)	2)								
5.TYPE OF STUDY	M/P	3.CONTENT(S) OF MAJOR PROJECT(S)									
6.COUNTERPART AGENCY	Directorate of Planning and Programing, Directorate General of Water Resources Development	- Karian dam, rockfill, 52m high, 218 million cu.m in effective cap. - Cilawan dam, concrete gravity, 28m high, 54 million cu.m tunnel from K.dam to Cibear - Trans-basin tunnel from Karian Dam to Cibeureum River - Trans-basin tunnel from Cilawan Dam to Cicinta River - River training 26km - Irrigation facilities to K-C-C area: one intake weir, waterway, irrigation canals, drainage canals									
7.OBJECTIVES OF STUDY	To increase income of North Banten Area, especialy of K-C-C Area	4.CONDITIONS AND DEVELOPMENT IMPACTS									
8.DATE OF S/W	Feb.1982	Upon completion, the following impacts are expected. - Additional rice production of 120,000 tons - Improvement of living standards among the local inhabitants - Correction of income disparities									
9.CONSULTANT(S)	Nihon Koei Co., Ltd. Mitsui Consultants Co., Ltd.	10.STUDY TEAM			2.MAJOR REASONS FOR PRESENT STATUS						
		No.of Members 13 Period Jul.1982-Jul.1983(13 months)			1, The major purpose of this project was the irrigation of rice fields. However, Indonesia attained self-supply of rice, so the project which aimed at increasing productivity of rice was postponed. 2, Any large projects were postponed in Indonesia.						
		<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Total M/M</th> <th style="text-align: left;">Japan</th> <th style="text-align: left;">Field</th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">112.15</td> <td style="text-align: right;">53.17</td> <td style="text-align: right;">58.98</td> </tr> </tbody> </table>					Total M/M	Japan	Field	112.15	53.17
Total M/M	Japan	Field									
112.15	53.17	58.98									
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.TECHNICAL TRANSFER			3.PRINCIPAL SOURCE OF INFORMATION						
		On-the-job training for counterparts			①						
12.EXPENDITURE											
		<table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="text-align: right;">Total</td> <td style="text-align: right;">324,576 (Y'000)</td> </tr> <tr> <td style="text-align: right;">Contracted</td> <td style="text-align: right;">303,148</td> </tr> </tbody> </table>			Total	324,576 (Y'000)	Contracted	303,148			
Total	324,576 (Y'000)										
Contracted	303,148										

和名 北バンテン水資源開発基本計画

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

PROJECT SUMMARY (M/P)

ASE IDN/S 112/83

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS						
1.COUNTRY	Indonesia	1.SITE OR AREA	Surabaya and its vicinity		1.PRESENT STATUS	<input type="checkbox"/> In Progress or In Use <input checked="" type="checkbox"/> Delayed <input type="checkbox"/> Discontinued					
2.NAME OF STUDY	Urban Development Planning on Gerbangketosusila Region (Surabaya Metropolitan Area)	2.PROJECT COST	Total Cost	Local Cost	Foreign Cost	(Description) This project has not been selected as the top priority project by Indonesian Government . Therefore, it has not been executed.					
3.SECTOR	Social Infrastructures/Urban Planning & Land Development	(US\$1,000)	1) 2,246,000								
4.REFERENCE NO.		(US\$1=680Rp)	2)								
5.TYPE OF STUDY	M/P	3.CONTENTES OF MAJOR PROJECT(S)									
6.COUNTERPART AGENCY	Directorate General Cipta Karya	A master plan of Surabaya city was formulated for the target year 2000. Short term implementation program includes the following projects.									
7.OBJECTIVES OF STUDY	Urban planning	Middle Ring Road 41.5 km New Transit System Tandes Industrial Complex (1,200 ha) Park Town Housing Complex (1,200 ha)									
8.DATE OF S/W	Aug.1981	4.CONDITIONS AND DEVELOPMENT IMPACTS									
9.CONSULTANT(S)	Pacific Consultants International										
10.STUDY TEAM	No.of Members 14 Period Nov.1981-Mar.1983 (17 months)				2.MAJOR REASONS FOR PRESENT STATUS						
	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Total M/M</td> <td style="width: 33%;">Japan</td> <td style="width: 33%;">Field</td> </tr> <tr> <td style="text-align: center;">100.57</td> <td style="text-align: center;">29.48</td> <td style="text-align: center;">71.09</td> </tr> </table>	Total M/M	Japan	Field	100.57		29.48	71.09			
Total M/M	Japan	Field									
100.57	29.48	71.09									
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.TECHNICAL TRANSFER			3.PRINCIPAL SOURCE OF INFORMATION						
12.EXPENDITURE		Overseas training of counterparts staff including Manager of urban planning division, Mr Budisanto, and Project officer.			①						
	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Total</td> <td style="width: 33%;">271,768 (¥'000)</td> <td style="width: 33%;"></td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">257,867</td> <td style="text-align: center;"></td> </tr> </table>	Total	271,768 (¥'000)		Contracted	257,867					
Total	271,768 (¥'000)										
Contracted	257,867										

和名 スラバヤ都市圏都市計画

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

PROJECT SUMMARY (M/P)

ASE IDN/S 114/83

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS					
1.COUNTRY	Indonesia	1.SITE OR AREA	Jakarta, Medan and Surabaya		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 Development Programs of the International Telecommunications	2.PROJECT COST	Total Cost	Local Cost	(Description) Concerning the construction of a new international telecommunication center, a Japanese expert was assigned to PT. INDOSAT to give technical advice on international telecommunication in general from Feb. 1987. PT. INDOSAT has been implementing the recommended measures with technical advice from the Japanese experts. 1) Introduction of digital international telephone exchanges: installed in Mar. 1988 2) Digitalization of international transmission: 1985 TDMA introduce for satellite transmission 1984 Digitalization of microwave transmission between the earth station - the central station; connection of the international telephone exchange and the domestic relay exchanges by optical fiber cables Apr.1990 Introduction of IBS (Intelsat Business Service) for satellite transmission Dec.1990 Introduction of IDR (Intermediate Data Rate) for satellite transmission 3) New services: Mar.1989 Commencement of IODC (International Operator Direct Call) services Nov.1989 Commencement of ITFC (International Toll Free Call) services Fall 1989 Commencement of services of the electronic mail box and the reservation system 1989 The study was conducted on the construction and the					
3.SECTOR	Communications & Broadcasting/General	(US\$1,000)	1) 194,000	2) 194,000						
4.REFERENCE NO.		3.CONTENTES OF MAJOR PROJECT(S)								
5.TYPE OF STUDY	M/P	The study proposed the following three measures. 1) Expansion of the existing network by establishing new gateway stations in Jakarta and Medan, and later on in Surabaya 2) Digitalization of the telecommunication network to establish IDN by introducing optical fibers for submarine cables, the time division multiple access (TDMA) for satellite telecommunication and digital SPC exchanges 3) Establishment of a packet exchange data network to provide new telecommunication services								
6.COUNTERPART AGENCY	Directorate General of Post and Telecommunication	4.CONDITIONS AND DEVELOPMENT IMPACTS								
7.OBJECTIVES OF STUDY	International Telecommunications Master Plan Preparation	The project aims to establish the international telecommunication system in Indonesia toward the next century, and will facilitate the long-term growth of the Indonesian economy.								
8.DATE OF S/W	Feb.1982	5.TECHNICAL TRANSFER								
9.CONSULTANT(S)	Kokusai Denshin Denwa Co, Ltd.	On-the-job training								
10.STUDY TEAM	No.of Members 13 Period Jun.1982-Jun.1983(12 months)				2.MAJOR REASONS FOR PRESENT STATUS					
	<table style="margin-left: auto; margin-right: auto;"> <tr> <td>Total M/M</td> <td>Japan</td> <td>Field</td> </tr> <tr> <td>38.61</td> <td>22.21</td> <td>16.40</td> </tr> </table>	Total M/M	Japan	Field			38.61	22.21	16.40	
Total M/M	Japan	Field								
38.61	22.21	16.40								
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY					3.PRINCIPAL SOURCE OF INFORMATION					
12.EXPENDITURE										
	<table style="margin-left: auto; margin-right: auto;"> <tr> <td>Total</td> <td>89,585 (Y'000)</td> </tr> <tr> <td>Contracted</td> <td>79,462</td> </tr> </table>	Total	89,585 (Y'000)	Contracted	79,462				①	
Total	89,585 (Y'000)									
Contracted	79,462									

和名 国際通信長期開発計画

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

PROJECT SUMMARY (M/P+F/S)

ASE IDN/S 206B/83

Compiled Mar.1986
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT																																
1.COUNTRY	Indonesia	1.SITE OR AREA		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">Total Cost</td> <td style="width: 15%; text-align: center;">Local Cost</td> <td style="width: 15%; text-align: center;">Foreign Cost</td> </tr> <tr> <td style="text-align: center;">(US\$1,000)</td> <td style="text-align: center;">125,000</td> <td style="text-align: center;">72,000</td> <td></td> </tr> <tr> <td>US\$1=250Yen=680Rp.=</td> <td style="text-align: center;">2)</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">3)</td> <td></td> <td></td> </tr> </table>			Total Cost	Local Cost	Foreign Cost	(US\$1,000)	125,000	72,000		US\$1=250Yen=680Rp.=	2)				3)			<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">Completed or in Progress</td> <td style="width: 15%; text-align: center;">Promoting</td> </tr> <tr> <td></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table>			Completed or in Progress	Promoting		<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
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	<input type="checkbox"/>	<input type="checkbox"/>																																				
2.NAME OF STUDY Development Project of Dumai Port		Sumatra,Riau Province																																				
3.SECTOR Transportation/Port		3.CONTENTS OF MAJOR PROJECT(S)				(Description) Mar.1984 OECF loan agreement signed (E/S 230 million yen) During the basic design stage, the exports of palm oil did not grow as much as projected, and the plan to develop port facilities in Batam Island was announced. 1987 Detailed design completed by scaling down the size of the berth for palm oil from 35,000 DWT to 5,000 DWT Dec.1989 OECF loan agreement signed (4,375 million yen) Jan.1992 Construction started Feb.1994 Construction to be completed																																
4.REFERENCE NO.		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">[Item]</td> <td style="width: 15%;">[Size]</td> </tr> <tr> <td>Reclamation</td> <td>2.8 million cu.m</td> </tr> <tr> <td>New wharf(-5, -8.5, -10m)</td> <td>1,910m</td> </tr> <tr> <td>Dolphin (-10,-12m)</td> <td>2 berth</td> </tr> <tr> <td>Road</td> <td>255,000sq.m</td> </tr> <tr> <td>Revetment</td> <td>1,840m</td> </tr> <tr> <td>Pavement</td> <td>320,000sq.m</td> </tr> <tr> <td>Transit Shed</td> <td>22,800sq.m</td> </tr> <tr> <td>Building</td> <td>6,000sq.m</td> </tr> <tr> <td colspan="2">- Water supply, electric power, drainage</td> </tr> <tr> <td colspan="2">- Navigation aid construction</td> </tr> </table>		[Item]	[Size]			Reclamation	2.8 million cu.m	New wharf(-5, -8.5, -10m)	1,910m	Dolphin (-10,-12m)	2 berth	Road	255,000sq.m	Revetment	1,840m	Pavement	320,000sq.m	Transit Shed	22,800sq.m	Building	6,000sq.m	- Water supply, electric power, drainage		- Navigation aid construction												
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5.TYPE OF STUDY (M/P)+F/S		4.FEASIBILITY AND ITS ASSUMPTIONS		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">Feasibility:</td> <td style="width: 15%; text-align: center;">EIRR1) 15.00</td> <td style="width: 15%; text-align: center;">FIRR1) 8.90</td> </tr> <tr> <td></td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">EIRR2)</td> <td style="text-align: center;">FIRR2)</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">EIRR3)</td> <td style="text-align: center;">FIRR3)</td> </tr> </table>			Feasibility:	EIRR1) 15.00	FIRR1) 8.90		Yes	EIRR2)	FIRR2)			EIRR3)	FIRR3)																					
	Feasibility:	EIRR1) 15.00	FIRR1) 8.90																																			
	Yes	EIRR2)	FIRR2)																																			
		EIRR3)	FIRR3)																																			
6.COUNTERPART AGENCY Directorate General of Sea Communication		8.DATE OF S/W Aug.1982		Imp. Period: Sep.1985-Dec.1988																																		
7.OBJECTIVES OF STUDY M/P aiming the year 2000 Short-term development plan aiming the year 1985		9.CONCONSULTANT(S) Overseas Coastal Area Development Institute of Ja		Conditions and Development Impacts: Conditions: - Future cargo volume is based on the demand forecast for the year 1990 and 2000. - Main cargos are palm oil from plantation farms, sawn timber, plywood, etc. - The function of the present crude oil export base will continue in the future. Accrued Benefits: (1) Reduced waiting time and starting costs of ships (2) Reduced cargo handling costs through improved port efficiency (3) Increased employment opportunities and higher regional income (4) Regional development		2.MAJOR REASONS FOR PRESENT STATUS																																
10.STUDY TEAM No.of Members 9 Period Oct.1982-Oct.1983 (12 months)		11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.TECHNICAL TRANSFER		3.PRINCIPAL SOURCE OF INFORMATION																																
12.EXPENDITURE				Counterpart training: Training on methods of natural condition investigation and methods of F/S. Site visit to Japanese port was also carried out for 3 trainees.		①④																																
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">Total</td> <td style="width: 15%; text-align: center;">129,134 (¥'000)</td> </tr> <tr> <td></td> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">120,609</td> </tr> </table>			Total	129,134 (¥'000)		Contracted	120,609																															
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	Contracted	120,609																																				

和名 ドマイ港整備計画

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

PROJECT SUMMARY (M/P+F/S)

ASE IDN/S 207A/83

Compiled Mar. 1986

Revised Mar. 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS									
1. COUNTRY	Indonesia	1. SITE OR AREA	Padang, West Sumatra, 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	Padang Area Flood Control Project	2. PROJECT COST						Total Cost	Local Cost	Foreign Cost				
3. SECTOR	Social Infrastructures/River & Erosion Control		(US\$1,000)	1) 77,000	30,000	(Description) A feasibility study was subsequently undertaken on priority projects.								
4. REFERENCE NO.			(US\$1=970Rp)	2)	47,600									
5. TYPE OF STUDY	M/P+ (F/S)	3. CONTENTS OF MAJOR PROJECT(S)												
6. COUNTERPART AGENCY	Directorate General of Water Resources Development, Ministry of Public Works, Indonesia	(1) Areu River Improvement Plan: 1) Improvement of Main Stream (10.6km), Flood relief channel (6.7km). Jirak River (4.6km); 2) Reconstruction of Lubuk Begalung Diversion weir; 3) Reconstruction of 3 bridges, 3 drainage culverts and 2 syphons. (2) Kuranji River 1) Improvement of Main stream (13.5km), Balimbing River (9.7km). Laras River (4.2km); 2) Construction of Laras retarding basin. 3) Improvement of diking system at mainstream, Lower Balimbing and middle & lower Laras. 4) Reconstruction of 2 bridges. (3) Air Dingin River (5.2km) 1) Excavation; 2) Improvement of diking system at lower Air Dingin. (4) Drainage 1) Improvement of main drains 43km; 2) Construction of 6 pump stations.												
7. OBJECTIVES OF STUDY	To formulate a flood control and drainage plan to protect Padang city and its surrounding area from the expected present and future flood damages.	4. CONDITIONS AND DEVELOPMENT IMPACTS												
8. DATE OF S/W	Nov. 1982	[Conditions] Benefit was based on the estimated amount of flood damage of private property, agricultural products, and public facilities. The development impact of the land, which can not be used during wet season, is also taken into consideration. The project life is 50 years. [Impacts] By implementation of the project, approx. 2,640ha of land and 21,330 houses are expected to be protected from flood damage. Living environmental conditions would be much improved and people's welfare will also be improved and stabilized. Mitigation of flood damages will make it possible to utilize 840ha of unused area as a new housing area, which can contribute greatly to national settlement policy. Such development will make Padang city an economic and commercial center of the area like Medan city in North Sumatra Province. Increase in people's employment opportunity is expected to be a direct effect of the project. By constructing Laras Retarding Basin, housing area will be also developed. In order to utilize the retarding basin area effectively in case of emergent floods, it is proposed to utilize the basin as a park for recreation and relaxation.												
9. CONSULTANT(S)	Nikken Consultants., Inc.	10. STUDY TEAM			2. MAJOR REASONS FOR PRESENT STATUS Due to importance of the area and urgency of project implementation									
		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">Japan</td> <td style="text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">63.92</td> <td style="text-align: center;">13.68</td> <td style="text-align: center;">50.24</td> </tr> </table>			Total M/M			Japan	Field	63.92	13.68	50.24	3. PRINCIPAL SOURCE OF INFORMATION ①	
Total M/M	Japan	Field												
63.92	13.68	50.24												
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Plane survey of the project area and Flood Damage Topographic Classification Map	5. TECHNICAL TRANSFER												
12. EXPENDITURE		(1) A joint technical study meeting was held monthly. (2) Training was provided for 3 trainees (3) Utilization of local consultants. (4) Obtained many valuable and important advices and guidances from Counterpart people about the policies of the												
	Total 186,946 (¥'000)													
	Contracted 177,377													

和名 バダン治水計画

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

PROJECT SUMMARY (M/P+F/S)

ASE IDN/S 207B/83

Compiled Mar.1986
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Indonesia	1.SITE OR AREA				1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing <input type="checkbox"/>
2.NAME OF STUDY	Padang Area Flood Control Project	1.SITE OR AREA	Padang, West Sumatra Province				
3.SECTOR	Social Infrastructures/River & Erosion Control	2.PROJECT COST	Total Cost	Local Cost	Foreign Cost	(Description) Feb.1985 OECF E/S loan agreement signed (580 million yen) Oct.1986 - Mar.1989 Detailed design and extension study undertaken Dec.1990 OECF loan agreement signed (8,063 million yen) Aug.1991 - Jul.1995: Procurement/construction supervision Nov.1991 Construction started Aug.1995 Construction to be completed	
4.REFERENCE NO.		2.PROJECT COST	46,654	15,346	31,307		
5.TYPE OF STUDY	(M/P)+F/S	(US\$1,000)					
6.COUNTERPART AGENCY	Directorate General of Water Resources Development	(US\$1=240Yen=970Rp)					
7.OBJECTIVES OF STUDY	To formulate a flood control and drainage plan to protect Padang City and its surrounding areas	3.CONTENTS OF MAJOR PROJECT(S)	1) Araw River and Tirak River 1)excavation, dredging, embankment 2)wet masonry reventment 3)drain sluiceway 4)bridge 5)ground sill work 2) Flood relief channel 1)excavation, dredging, embankment 2)wet & dry masonry reventment 3)drain sluiceway, pump station 4)drainage culvent, bridge, syshon, diversion weir 5)drainage improvement 3) Kuranji, Balimbing, Laras River & Laras retarding basin 1)excavation, dredging, embankment 2)wet & dry masonry reventment 3)drain sluiceway 4)bridge 5)ground sill work 6)drainage improvement 4) Air Dingin River 1)excavation, embankment 2)wet masonry, reventment 3)drain sluiceway 4)ground sill work				
8.DATE OF S/W	Nov.1982	Imp. Period:	.1984-.1991				
9.CONSULTANT(S)	Nikken Consultants., Inc.	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 14.70 EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)		
10.STUDY TEAM	No. of Members 11 Period Jan.1983-Oct.1983 (8 months)	Conditions and Development Impacts: [Conditions] Benefit was based on the estimated amount of blood damage of parivate property, agricultural products and public facilities. The development impact of the land, which can't be used during wet season, is also taken into consideration. The project life is 50 years. [Impacts] - Protection of land (2.64 ha) and houses (21,330) from floods. - Enhancement of land use (840ha) from existing unsued land to residential area. - Creation of employment opportunity to the local people.					
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.TECHNICAL TRANSFER					
12.EXPENDITURE	Total 186,946 (¥'000) Contracted 177,377	- Technical meetings and on-the-job training - Overseas training - Effective utilization of local consultants					
						2.MAJOR REASONS FOR PRESENT STATUS	Due to importance of the area and urgency of project implementation.
						3.PRINCIPAL SOURCE OF INFORMATION	①④

和名 バダン治水計画

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

PROJECT SUMMARY (F/S)

ASE IDN/S 321/83

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT												
1.COUNTRY	Indonesia	1.SITE OR AREA	Jakarta			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 type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Discontinued or Cancelled											
2.NAME OF STUDY	Urban Renewal Housing Project in Jakarta	2.PROJECT COST						Total Cost	Local Cost	Foreign Cost								
3.SECTOR	Social Infrastructures/Urban Planning & Land Development		1) 87,300	45,000		(Description) The Government requested OECF for an E/S loan in 1983/84 and 1984/85, but did not get the approval. Redevelopment is an important measure to solve the urban problems of Jakarta City, but because of the problem of relocating local population, the project was suspended.												
4.REFERENCE NO.		3.CONTENTIS OF MAJOR PROJECT(S)	2) (US\$1,000)															
5.TYPE OF STUDY	F/S		3) (US\$1=1,000Rp)															
6.COUNTERPART AGENCY	Directorate General of Housing, Building, Planning & Urban Development, Ministry of Public Works.	The objective of the project is to redevelop the site to be a city sub-centre forming the station-front plaza as a nucleus. Each project area (Manqqarai and Kebon Melati) covers 45ha. Population is 78,000. Since Manqqarai area includes Manqqarai station, the project aims at renewing urban functions including railway plan as well as relocation of factories and housing redevelopment.																
7.OBJECTIVES OF STUDY	Urban development plan.	Imp. Period: <table style="width: 100%; border: none;"> <tr> <td style="border: none;">4.FEASIBILITY AND ITS ASSUMPTIONS</td> <td style="border: none;">Feasibility: Yes/No</td> <td style="border: none;">EIRR1)</td> <td style="border: none;">FIRR1)</td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;">EIRR2)</td> <td style="border: none;">FIRR2)</td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;">EIRR3)</td> <td style="border: none;">FIRR3)</td> </tr> </table>					4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes/No	EIRR1)	FIRR1)			EIRR2)	FIRR2)			EIRR3)	FIRR3)
4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes/No	EIRR1)	FIRR1)															
		EIRR2)	FIRR2)															
		EIRR3)	FIRR3)															
8.DATE OF S/W	Feb.1982	Conditions and Development Impacts: Development Impact: (1) Improvement of urban facilities (station front plaza, road) (2) Renewal of urban functions (3) Improvement of housing environments (4) Establishment of urban development institutions/techniques Redevelopment of kampungs (residential areas for low income people) which accounts for 60% of total area/population of the country can be a way to solve urgent city problems regarding urban facilities, housing and population.																
9.CONSULTANT(S)	Pacific Consultants International Nihon Sekkei Inc.	2.MAJOR REASONS FOR PRESENT STATUS																
10.STUDY TEAM	No.of Members 16 Period Jul.1982-Dec.1983 (18 months) <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Total M/M</td> <td style="border: none;">Japan</td> <td style="border: none;">Field</td> </tr> <tr> <td style="border: none;">73.30</td> <td style="border: none;">8.24</td> <td style="border: none;">65.06</td> </tr> </table>	Total M/M	Japan	Field	73.30	8.24	65.06	3.PRINCIPAL SOURCE OF INFORMATION ①										
Total M/M	Japan	Field																
73.30	8.24	65.06																
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Topographic Survey	5. TECHNICAL TRANSFER Overseas training for counterpart staff.																
12.EXPENDITURE	Total 204,981 (Y'000) Contracted 189,767																	

和名 ジャカルタ住宅市街地再開発計画

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

PROJECT SUMMARY (F/S)

ASE IDN/A 309/83

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT					
1.COUNTRY	Indonesia	1.SITE OR AREA	Kopo, Cikande, Carenanq Districts, eastern part of North Banten (Investigated area 11,500 ha, Population 43,000)			1.PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Discontinued or Cancelled				
2.NAME OF STUDY	K-C-C Irrigation Development Project	2.PROJECT COST	Total Cost	Local Cost	Foreign Cost						
		(US\$1,000)	1) 35,939	22,659	13,280						
		US\$1=690Rp.	2)								
		3)									
3.SECTOR	Agriculture/General	3.CONTENTS OF MAJOR PROJECT(S)	1.Irrigation Area : 3,500ha 2.Gadeq Dam : Zone type Rockfilldam 3.Head Reach : 9.6km, max. discharge 6.0cu.m/sec 4.Main/Secondary & Tertiary Canal : 13.0km/96.0km 5.Main Road : 14.8km				(Description) - This project were absorbed into Karian multipurpose dam plan. - This project was implemented with "North Banten Water Resources Development Project" as M/P and "K-C-C Irrigation Development Project " as F/S.				
4.REFERENCE NO.											
5.TYPE OF STUDY	F/S										
6.COUNTERPART AGENCY	Ministry of Public Works, Directorate General of Water Resources Development										
7.OBJECTIVES OF STUDY											
8.DATE OF S/W	.1982	Imp. Period:	Apr.1984-Jul.1987								
9.CONSULTANT(S)	Nihon Koei Co., Ltd. Mitsui Consultants Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) EIRR2) EIRR3)	17.40	FIRR1) FIRR2) FIRR3)					
10.STUDY TEAM	No.of Members 22 Period Jul.1982--Jun.1983 (12 months)	Conditions and Development Impacts: Conditions: Benefit is estimated as the difference of net annual income from the agricultural production between with-project and without-project conditions Development Impacts: Increase of production of paddy rice and paddy second crop Saving of foreign currency Increase of employment opportunity				2.MAJOR REASONS FOR PRESENT STATUS					
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: left;">Total M/M</td> <td style="text-align: center;">Japan</td> <td style="text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">112.15</td> <td style="text-align: center;">53.17</td> <td style="text-align: center;">58.98</td> </tr> </table>	Total M/M	Japan	Field	112.15			53.17	58.98		
Total M/M	Japan	Field									
112.15	53.17	58.98									
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER					3.PRINCIPAL SOURCE OF INFORMATION				
12.EXPENDITURE	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: left;">Total</td> <td style="text-align: right;">110,802 (¥'000)</td> </tr> <tr> <td style="text-align: left;">Contracted</td> <td style="text-align: right;">115,957</td> </tr> </table>	Total	110,802 (¥'000)	Contracted	115,957					①	
Total	110,802 (¥'000)										
Contracted	115,957										

和名 K-C-C 地区灌溉開発計画

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

PROJECT SUMMARY (M/P+F/S)

ASE IDN/S 209A/84

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS																					
1.COUNTRY	Indonesia	1.SITE OR AREA	Jakarta City (Emergency plan & STAGE 2)		1.PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued																				
2.NAME OF STUDY	Jakarta Water Supply Development Project	2.PROJECT COST	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">(US\$1,000)</td> <td style="text-align: center;">1)</td> <td style="text-align: center;">Total Cost</td> <td style="text-align: center;">Local Cost</td> <td style="text-align: center;">Foreign Cost</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">1,851,000</td> <td style="text-align: center;">995,000</td> <td style="text-align: center;">856,000</td> </tr> <tr> <td></td> <td style="text-align: center;">2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost			1,851,000	995,000	856,000		2)									(Description) The M/P recommended that the plan be divided into two stages and that the first stage be subdivided into two phases. The subsequent feasibility study dealt with the first phase of the first stage. Prior to the implementation of the first phase, the Japanese government agreed to finance the emergency plan, and the World Bank agreed to finance the rehabilitation plan.	
(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost																						
		1,851,000	995,000	856,000																						
	2)																									
3.SECTOR	Public Utilities/Water Supply	3.CONTENTES OF MAJOR PROJECT(S)	(US\$1=224Yen=1,004Rp) 1. Emergency Plan 1-1 Rehabilitation & improvement construction project 1) Replacement/installation of water meters (1985-1990) 2) Rehabilitation of distribution pipelines to reduce the unaccounted-for-water (1985-1990) 3) Leakage protection survey plan (1986-1990) 1-2 Short term improvement plan/project 1) Chlorine dosing facility improvement (1986-1989) 2) Installation of distribution branch pipes (1985-1989) 1-3 Undertaking of the Emergency plan/project 1) Construction of new water treatment plant and trunk main pipes to transmit water to existing service area (1986-1989) 2. Undertaking of expansion plan 2-1 West Tarum canal system (3,000 l/s) 2-2 Cisadane river system (3,000 l/s) 3. Project financed by the World Bank 3-1 Prompt execution of West Tarum canal expansion project 3-2 Prompt execution of transmission pipeline to convey water from new intake site to existing water treatment plant																							
4.REFERENCE NO.		4.CONDITIONS AND DEVELOPMENT IMPACTS	Based on the JABOTABEK Metropolitan Development Program, the Jakarta city development plan has been established. To meet the real condition of the city, M/P of water supply which was prepared in 1972 had to be revised based on the City development plan. The revised M/P proposes a water supply system for the future population of 12,000,000 at the target year of 2005, taking water not only from east side resources but also from west side water resource.		2.MAJOR REASONS FOR PRESENT STATUS Reasons for execution (1) Priority was high as part of the Metropolitan development plan (2) Water supply is a basic necessity for improvement of sanitary condition and development of city																					
5.TYPE OF STUDY	M/P+(F/S)	10.STUDY TEAM	<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="3">No.of Members 9</td> </tr> <tr> <td colspan="3">Period Jun.1983-Mar.1984 (18 months)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Jun.1984-Mar.1985</td> </tr> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">Japan</td> <td style="text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">59.00</td> <td style="text-align: center;">34.00</td> <td style="text-align: center;">25.00</td> </tr> </table>				No.of Members 9			Period Jun.1983-Mar.1984 (18 months)			Jun.1984-Mar.1985			Total M/M	Japan	Field	59.00	34.00	25.00					
No.of Members 9																										
Period Jun.1983-Mar.1984 (18 months)																										
Jun.1984-Mar.1985																										
Total M/M	Japan	Field																								
59.00	34.00	25.00																								
6.COUNTERPART AGENCY	Directorate of General of Human Settlement (Cipta Karya), Ministry of Public Works	11.ASSOCIATED AND/OR SUBCONTRACTED STUDY			3.PRINCIPAL SOURCE OF INFORMATION ①																					
7.OBJECTIVES OF STUDY	Water Supply implementation plan for the target year of 2005	12.EXPENDITURE	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Total</td> <td style="text-align: center;">314,862 (¥'000)</td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">159,465</td> </tr> </table>				Total	314,862 (¥'000)	Contracted	159,465																
Total	314,862 (¥'000)																									
Contracted	159,465																									
8.DATE OF S/W	Feb.1983	5.TECHNICAL TRANSFER	Carried out training program for one counterpart staff for one month (2/1984)																							
9.CONSULTANT(S)	Nihon Suido Consultants Co., Ltd.																									

和名 ジャカルタ市水道整備計画

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

PROJECT SUMMARY (M/P+F/S)

ASE IDN/S 209B/84

Compiled Mar.1988

Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Indonesia	1.SITE OR AREA				1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing
2.NAME OF STUDY	Jakarta Water Supply Development Project	Jakarta City (emergency portion & Stage 2-Phase1)					
3.SECTOR	Public Utilities/Water Supply	2.PROJECT COST		Total Cost	Local Cost	Foreign Cost	
4.REFERENCE NO.		(US\$1,000)	1)	365,000	178,000	187,000	
5.TYPE OF STUDY	(M/P)+F/S	2)					
6.COUNTERPART AGENCY	Directorate General of Human Settlement (Cipta Karya), Ministry of Public Works	3)					
7.OBJECTIVES OF STUDY	Water Supply implementation plan for the target year of 2005	3.CONTENTS OF MAJOR PROJECT(S)				(Description) Feb.1985 OECF loan agreement on emergency plan (4,500 million yen), BUARAN-1 Dec.1985 OECF loan agreement (10,923 million yen), BUARAN-2 Jul.1987 D/D on emergency plan completed Oct.1987 Construction of BUARAN Treatment Plant No.1 started 1988-89 D/D on the first phase completed Dec.1990 Construction of Buaran Treatment Plant No.2 (phase I) started Dec.1990 OECF loan agreement (6,446 million yen), Distribution Pipes Networks May 1992 Construction of distribution pipes started Jul.1992 BUARAN Plant No. 1 completed Sep.1993 BUARAN Plant No. 2 to be completed Jun.1996 Distribution pipes to be completed	
8.DATE OF S/W	Feb.1983	Imp. Period: Jul.1987-Dec.1993					
9.CONSULTANT(S)	Nihon Suido Consultants Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility:	EIRR1)	FIRR1)	
10.STUDY TEAM	No. of Members 9 Period Jun.1983-Mar.1984 (18 months) Jun.1984-Mar.1985 Total M/M Japan Field 59.00 34.00 25.00	Yes	EIRR2)	EIRR3)	FIRR2)	FIRR3)	
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		Conditions and Development Impacts: For IRR, following conditions were considered ; (1) 30 years of operation period starting from 1991 (2) 1983's price level ; (3) Investment started in 1983 (4) Increase annually salable water rate to 75% in 2005 from 61% of 1991 (5) Rehabilitation cost for increasing the salable water rate is calculated As the result of development (1) Increased served population from 2.4 to 5.4 million persons. (2) Water source for residents of the North-Par has been changed from groundwater/sales water to piped water; (3) Water pressure of the region has been increased; (4) Improved public health, sanitation and environmental condition; (5) Decreased the inversion of sea water to ground water, and the constant decrease of ground water level; (6) Increase of employment opportunity; (7) Practical use of local consultants.				2.MAJOR REASONS FOR PRESENT STATUS (1) Continuity; The delay of implementation of First phase plan(OECF loan 1975-82)resulted in the shortage of water which require urgent implementation of next phase. (2) Priority: necessary to implement water supply facility urgently for the capacity.	
12.EXPENDITURE	Total 314,862 (¥'000) Contracted 159,465	5.technical transfer					
		Carried out a training program in Japan for one counterpart for one month.					

和名 ジャカルタ市水道整備計画

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

PROJECT SUMMARY (M/P+F/S)

ASE IDN/S 208A/84

Compiled Mar.1988
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS 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	Five-Year Plan for the Integrated Development of Radio and Television Broadcasting	2.PROJECT COST	Total Cost	Local Cost	Foreign Cost	(Description) 1. The Government of Indonesia has formulated the Long-term Plan on broadcasting based on this M/P Study and is implementing several Projects as follows: (1) Enhancement of Radio and Television Network (Phase I): Japanese Loan (6,507 MY), 1985 L/A, completed (2) Enhancement of Radio and Television Network (Phase II): Japanese Loan (8,603 MY), 1987 L/A, on-going (3) Enhancement of Radio and Television Network (Phase I): Japanese Loan (7,478 MY), 1990 L/A, on-going (4) Television News and Program Total Editing and Dubbing System: Japanese Grant (502 MY), 1989 E/N, completed (5) In addition to above Projects, three projects were completed and three projects are on-going by loans from USA, UK and Austria. 2. In 1989, further JICA M/P and F/S were carried out in order to review the existing Long-term Plan and also work out Short-term Plan of the Repelita V.						
3.SECTOR	Communications & Broadcasting/General		(US\$1,000)	1) 923,600	2)							
4.REFERENCE NO.		3.CONTENTES OF MAJOR PROJECT(S)										
5.TYPE OF STUDY	M/P+ (F/S)	1) TV Republic Indonesia (National TV Station) 2) Radio Republic Indonesia(National Radio Station)										
6.COUNTERPART AGENCY	Directorate General of Radio, Television and Film (RTF)	4.CONDITIONS AND DEVELOPMENT IMPACTS										
7.OBJECTIVES OF STUDY	Formulation of a long-term development plan through 2000 and identification and evaluation of short-term development projects	Development impacts: 1) Diffusion of the standard language in the multi-ethnic and multi-lingual country 2) Quality improvement of school education, and adult and vocational education 3) Better and wider access to entertainment 4) Activation of public relations activities and encouragement of popular participation 5) Diffusion of radio and TV sets (46 million radios and 1.89 million TV sets in the year 2000)										
8.DATE OF S/W	Apr.1983	10.STUDY TEAM			2.MAJOR REASONS FOR PRESENT STATUS							
9.CONSULTANT(S)	Integrated Technology Inc.	No.of Members 33 Period Jul.1983-Dec.1984 (17 months)			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.							
		<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Total M/M</th> <th style="text-align: left;">Japan</th> <th style="text-align: left;">Field</th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">68.83</td> <td style="text-align: right;">49.43</td> <td style="text-align: right;">19.40</td> </tr> </tbody> </table>			Total M/M		Japan	Field	68.83	49.43	19.40	3.PRINCIPAL SOURCE OF INFORMATION
Total M/M	Japan	Field										
68.83	49.43	19.40										
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Cross-section topographic mapping	5.technical transfer			①							
12.EXPENDITURE		1) On-the-job training 2) Participation of the counterparts in the JICA training program										
		Total	239,222 (Y'000)									
		Contracted	174,933									

和名 ラジオ・テレビ放送総合開発長期計画

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

PROJECT SUMMARY (M/P+F/S)

ASE IDN/S 208B/84

Compiled Mar.1988
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT																	
1.COUNTRY	Indonesia	1.SITE OR AREA				1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input 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	Five-Year Plan for the Integrated Development of Radio and Television Broadcasting	the entire country																					
3.SECTOR	Communications & Broadcasting/General	2.PROJECT COST		Total Cost	Local Cost	(Description) The proposed project was implemented in two phases with OECF loans. (1) Enhancement of Radio and Television Network (Phase-I): Dec.1985 OECF L/A signed (6,507 million yen) Dec.1990 construction completed (2) Enhancement of Radio and Television Network (Phase-II): Dec.1987 OECF L/A signed (8,603 million yen) Dec.1992 Construction completed Phase I: Total cost US\$31.5 million of which, local cost US\$4.2 million Phase II: Total cost US\$55.5 million foreign and local costs financed by OECF																	
4.REFERENCE NO.				229,400	14,900			214,500															
5.TYPE OF STUDY	(M/P)+F/S	3.CONTENTS OF MAJOR PROJECT(S)																					
6.COUNTERPART AGENCY	Directorate General of Radio, Television and Film (RTF)	- Radio transmission (medium-wave, short-wave, FM): 54 new stations; rehabilitation of 23 stations; 26 sets of alternate equipment - TV transmission: 50 new stations; 10 sets of equipment for replacement - Radio broadcasting facilities: 26 new studios; 99 studios for rehabilitation; OB van and 42-unit studio equipment 114 sets - TV broadcasting facilities: 9 new studios; 8 studios for rehabilitation; OB van and 16-unit studio equipment 67 sets																					
7.OBJECTIVES OF STUDY	Formulation of a long-term development plan through 2000 and identification and evaluation of short-term development projects	8.DATE OF S/W		Imp. Period: .1985 .1988																			
9.CONSULTANT(S)	Integrated Technology Inc.	4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 32.60 FIRR1) EIRR2) FIRR2) EIRR3) FIRR3)																		
10.STUDY TEAM	No.of Members 33 Period Jul.1983-Dec.1984 (17 months) <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">Japan</td> <td style="text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">68.83</td> <td style="text-align: center;">49.43</td> <td style="text-align: center;">19.40</td> </tr> </table>	Total M/M	Japan	Field	68.83	49.43	19.40	Conditions and Development Impacts: Assumptions: (1) annual economic growth rate of 5.0% - 6.0% after 1985 (6.0% during 1979 - 84); (2) annual population growth rate of 1.7% and the population of 200 million in 2000; (3) per capita income of US\$950 in 2000; and (4) No. of radio and TV sets in use is projected as follows: <table style="width: 100%; border: none;"> <tr> <td></td> <td style="text-align: center;">1983</td> <td style="text-align: center;">1989</td> <td style="text-align: center;">2000</td> </tr> <tr> <td style="text-align: center;">Radios</td> <td style="text-align: center;">250</td> <td style="text-align: center;">328</td> <td style="text-align: center;">462 (million sets)</td> </tr> <tr> <td style="text-align: center;">TV</td> <td style="text-align: center;">50</td> <td style="text-align: center;">84</td> <td style="text-align: center;">189 (million sets)</td> </tr> </table> Development impacts: (1) Closer integration of the population through increased access to broadcasting media; (2) Improvement of school education, adult education and vocational training and human resource development; (3) stimulation of economic activities			1983	1989	2000	Radios	250	328	462 (million sets)	TV	50	84	189 (million sets)		
Total M/M	Japan	Field																					
68.83	49.43	19.40																					
	1983	1989	2000																				
Radios	250	328	462 (million sets)																				
TV	50	84	189 (million sets)																				
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER		1) OJT; 2) Participation of the counterparts in the JICA training program; and 3) employment of local consultants		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.																	
12.EXPENDITURE	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total</td> <td style="text-align: right;">239,222 (¥'000)</td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td style="text-align: right;">174,933</td> </tr> </table>	Total	239,222 (¥'000)	Contracted	174,933					3.PRINCIPAL SOURCE OF INFORMATION ①④													
Total	239,222 (¥'000)																						
Contracted	174,933																						

和名 ラジオ・テレビ放送総合開発5カ年計画

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

PROJECT SUMMARY (F/S)

ASE IDN/S 323/84

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT																			
1.COUNTRY	Indonesia	1.SITE OR AREA		Section between the center of Jakarta and Cengkareng Airport		1.PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Implementing <input type="radio"/> Processing <input checked="" type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled																		
2.NAME OF STUDY		2.PROJECT COST																							
New Railway Line for Cengkareng Airport		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">Total Cost</td> <td style="width: 10%; text-align: center;">Local Cost</td> <td style="width: 10%; text-align: center;">Foreign Cost</td> </tr> <tr> <td>(US\$1,000)</td> <td>1)</td> <td style="text-align: center;">205,620</td> <td style="text-align: center;">88,393</td> <td style="text-align: center;">117,227</td> </tr> <tr> <td></td> <td>2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>3)</td> <td></td> <td></td> <td></td> </tr> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	1)	205,620	88,393	117,227		2)					3)				(Description) This project is included in the JABOTABEK Project which is steadily in progress under the guidance of JARTS. Since the immediate objective of the JABOTABEK Project is the completion of a commuter railway, the implementation of this project including new line construction is behind the schedule. However, since this project is related to future plans of the Jakarta Kota area, it is necessary to ensure harmony with these plans hereafter.	
		Total Cost	Local Cost	Foreign Cost																					
(US\$1,000)	1)	205,620	88,393	117,227																					
	2)																								
	3)																								
3.SECTOR		3.CONTENTS OF MAJOR PROJECT(S)																							
Transportation/Railway		Route A plan (19.8km) Construction cost --- 35,503 million yen Rolling stock cost -- 12,242 million yen																							
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS Feasibility: Yes <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">EIRR1)</td> <td style="width: 10%; text-align: center;">14.30</td> <td style="width: 10%; text-align: center;">FIRR1)</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">EIRR2)</td> <td></td> <td style="text-align: center;">FIRR2)</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">EIRR3)</td> <td></td> <td style="text-align: center;">FIRR3)</td> </tr> </table>				EIRR1)	14.30	FIRR1)			EIRR2)		FIRR2)			EIRR3)		FIRR3)							
				EIRR1)	14.30	FIRR1)																			
				EIRR2)		FIRR2)																			
				EIRR3)		FIRR3)																			
5.TYPE OF STUDY																									
6.COUNTERPART AGENCY																									
Directorate General of Land Transport and Inland Waterways																									
7.OBJECTIVES OF STUDY																									
Construction project for a new railway line between Cengkareng Airport and the center of Jakarta.																									
8.DATE OF S/W		Imp. Period:																							
Jul.1982		.1987-.1991 .1987-.2006																							
9.CONSULTANT(S)		4.FEASIBILITY AND ITS ASSUMPTIONS																							
Japan Railway Technical Service		Feasibility: Yes																							
10.STUDY TEAM		Conditions and Development Impacts:		2.MAJOR REASONS FOR PRESENT STATUS																					
No.of Members 18 Period Jul.1982-Aug.1984 (24 months)		(1) Preconditions -The foreign - currency portion is financed with overseas loans at 6% (with payments to begin after a 7-year deferral over a 20-year period in equal amounts). -The local-currency portion is financed with the national budget or loans in terms of rupees at 13.5% (with payments to begin after a 4-year deferral over a 6-year period in equal annual amounts). (2) Development impacts -Reduction in travel time to the airport via the new railway line. -Alleviation of road traffic congestion, resulting in time and fuel savings for road users.																							
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">Total M/M</td> <td style="width: 10%; text-align: center;">Japan</td> <td style="width: 10%; text-align: center;">Field</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">80.38</td> <td style="text-align: center;">45.63</td> <td style="text-align: center;">34.75</td> </tr> </table>				Total M/M	Japan	Field			80.38	45.63	34.75			Implementation of this project is behind schedule, because the immediate objective of the JABOTABEK Railway Project is extremely limited.											
		Total M/M	Japan	Field																					
		80.38	45.63	34.75																					
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.technical transfer		3.PRINCIPAL SOURCE OF INFORMATION																					
		Site investigations were conducted with the cooperation of counterparts.		①																					
12.EXPENDITURE																									
Total		802,886 (Y'000)																							
Contracted		803,484																							

和名 ジャカルタ大都市圏鉄道輸送計画 (チェンカレン空港鉄道新線計画)

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

PROJECT SUMMARY (F/S)

ASE IDN/S 324/84

Compiled Mar.1986

Revised Mar.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 (Around Manggarai station, regions along the Merak and Tangerang lines)			1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2.NAME OF STUDY	Grade Separated Crossing in Manggarai Station, Track Addition and Other Improvements on Tangerang Line Improvements on Merak Line and Track	2.PROJECT COST	Total Cost	Local Cost	Foreign Cost		
3.SECTOR	Transportation/Railway		1) 435,714	97,337	338,377	(Description) 1) Grade separation of Manggarai station After the completion of the F/S, the D/D was carried out in 1988 using OECF funds. Although efforts are being made to procure funds for starting the construction, the final decision has not yet been made concerning the financing. This project is an important element of the JABOTABEK Project. However, because the objective of the entire project has been scaled down, implementation of this project has been delayed. 2) Track addition of the Merak line After the completion of the F/S, D/D was carried out in 1987 by using the fund from France. Line reinforcement (signalling, electrification, etc.) under the single-track system is now in progress, while track improvement was completed. 3) Track addition of the Tangerang line Like the case of 2) above, D/D was carried out in 1987 by using the fund from France. As for the construction, track improvement alone was completed by using internal funds.	
4.REFERENCE NO.			2) US\$1=980Rp.	3)			
5.TYPE OF STUDY	F/S	3.CONTENT(S) OF MAJOR PROJECT(S)	(1) Grade separation of Manggarai station: 1) Station Facilities: station building, passageway, platform, platform shed; 2) Railway Structure: reinforced concrete (RC) viaduct, RC box culvert, new bridge, embankment and RC retaining wall; 3) Drainage Facilities; 4) Electric, Signalling and Telecommunication facilities. Track addition on (2) the Merak Line and (3) the Tangerang Line 1st Stage: Rehabilitation - Rehabilitation of the track and road level crossings. - Replacement of the R3 rail to R14A rail (Merak Line) - Replacement of 25kg/m rail to UIC54 rail (Tangerang Line) 2nd Stage: Expansion - Improvement of electric, signalling and telecommunication. 3rd Stage: Track Doubling - Track addition and completion of rehabilitation work. - Improvement of access roads to the stations and station front plazas.				
6.COUNTERPART AGENCY	Directorate General of Land Transport and Inland Waterways	7.OBJECTIVES OF STUDY					
8.DATE OF S/W	Jul.1982	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 37.20 EIRR2) 24.80 EIRR3) 23.20	FIRR1) FIRR2) FIRR3)	2.MAJOR REASONS FOR PRESENT STATUS (1) Size of project impact (2) Continuous factors over time and relationship with other projects: This is an essential project for increasing the number of trains. (3) As described above, although this project is an important element of the JABOTABEK Project, its implementation is a little behind schedule due to the scale down of the objective of the JABOTABEK Project.	
9.CONSULTANT(S)	Japan Railway Technical Service	Conditions and Development Impacts: [Preconditions] In accordance with the master plan for JABOTABEK railway improvement, the level crossings of the Central line and the Eastern and the Western lines are to be removed. The demand forecast for the years up to 2000 and the train planning are based on the M/P. [Development impacts] (1) An increase in the number of trains and promotion of railway improvement. (2) The track addition of the Merak and Tangerang lines can become a main power for promoting the development of the regions along the routes. (3) Reduction of travel time. (4) Alleviation of road traffic congestion due to frequent services of the railway system.					
10.STUDY TEAM	No. of Members 17 Period Jul.1983-Jun.1984 (11 months)	5. TECHNICAL TRANSFER				3. PRINCIPAL SOURCE OF INFORMATION ①④	
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		(1) OJT: Investigations were conducted together with counterparts. (2) Two trainees were received.					
12.EXPENDITURE	Total 166,572 (¥000) Contracted 165,140						

和名 ジャカルタ大都市圏鉄道輸送計画 (マンガラライ駅立体交差化、メラク線改良及びタンゲラ

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

PROJECT SUMMARY (F/S)

ASE IDN/S 325/84

Compiled Mar.1988
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Indonesia	1.SITE OR AREA				1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing
2.NAME OF STUDY	Volcanic Debris Control and Water Conservation Project in the Southeastern Slope of Mt.Semeru	1.SITE OR AREA	Lumajan, East Java				
3.SECTOR	Social Infrastructures/River & Erosion Control	2.PROJECT COST	Total Cost	Local Cost	Foreign Cost	(Description) The project is under implementation with the OECF financing. Oct.1983 OECF loan agreement signed (2,808 million yen) For emergency measures (river channel deepening 0.7 km, embankment 111 km, 2 check dams) Apr.1990 Construction completed Aug.1991 Additional construction completed Total cost: US\$21.18 million (US\$1=230yen) Local cost: US\$ 8.97 million (US\$1=Ro, 650)	
4.REFERENCE NO.			1)	44,990	24,400		
5.TYPE OF STUDY	F/S		2)				
6.COUNTERPART AGENCY	Directorate General of Water Resources Development, Ministry of Public Works	3.CONTENTS OF MAJOR PROJECT(S)	3)				
7.OBJECTIVES OF STUDY	F/S for the project to prevent the volcanic debris flow in the southeastern slope of Mt.Semer.	(1) The First Priority Project (A) Sediment Control Facility Project Check Dam (3), Diversion channels (length of 1.3km) Sand Pocket(1), Intake and channel(1) (B) Debris Flow Warning System Project - Information Collection System: 1 small radar rain gauge station, 8 telemeter rainfall stations, 6 telemeter water level stations, 4 debris flow sensing stations, 2 debris flow visual measuring stations, 1 repeater station. - Information Processing System: information processing center. - Public Information System: 11 speaker station (2) The Second Priority Project: Check Dam(6), Sand Pocket(2) (3) Water conservation plan: Intake facilities, Groundwater Exploitation Facility, 2 Water Conveyance Facilities, Hydro-electric Power Station, Cultivated Paddy Field.					
8.DATE OF S/W	Dec.1981	Imp. Period:	Apr.1987-Mar.1992				
9.CONSULTANT(S)	Yachiyo Engineering Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 8.90 EIRR2) 5.30 EIRR3)	FIRR1) FIRR2) FIRR3)		
10.STUDY TEAM	No. of Members 18 Period Mar.1982-Dec.1984 (34 months)	Conditions and Development Impacts: Conditions: Assumed damaged areas were classified into five phases and that the damage ratio was decided for the deposited sediment of each probability year. And agricultural production, living assets, production activities, public facilities, cost for removing sediment were counted as direct damage, and cost for urgent relief of sufferers as indirect damage. Development impacts: The area of 25.29 sq.km would be mitigated from damage with the mitigated amount of 19,824 X 10 Rp. (price as of 1982) was expected. As far as lives of people concerned, 15,000 at project (1)A, 40,700 at project (1)B, and 19,000 at project (2) can be saved by these projects. *EIRR 3) 8.7-16.2%					
	Total M/M Japan Field	5. TECHNICAL TRANSFER Accepted six trainees					
	173.53 93.87 79.66						
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Preparation of Topographic Maps	2.MAJOR REASONS FOR PRESENT STATUS (1) Scale of effect: Debris flow disaster occurred in May 1981 in the project site (2) Priority : Priority was particularly high as a urgent measure against disaster (3) Strength of propelling agency : Backed up by River Bureau, Ministry of Public Works					
12.EXPENDITURE	Total 528,821 (¥'000) Contracted 512,040						
		3.PRINCIPAL SOURCE OF INFORMATION ①④					

和名 スメル火山砂防・水資源保全計画

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

PROJECT SUMMARY (F/S)

ASE IDN/S 322/84

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT																							
1.COUNTRY	Indonesia	1.SITE OR AREA		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"></td> <td style="width: 20%; text-align: center;">Total Cost</td> <td style="width: 20%; text-align: center;">Local Cost</td> <td style="width: 20%; text-align: center;">Foreign Cost</td> </tr> <tr> <td style="text-align: center;">(US\$1,000)</td> <td style="text-align: center;">26,154</td> <td style="text-align: center;">3,345</td> <td style="text-align: center;">22,809</td> </tr> <tr> <td style="text-align: center;">(US\$1=235Yen)</td> <td style="text-align: center;">1)</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">2)</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">3)</td> <td></td> <td></td> </tr> </table>			Total Cost	Local Cost	Foreign Cost	(US\$1,000)	26,154	3,345	22,809	(US\$1=235Yen)	1)				2)				3)			<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> 1.PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Discontinued or Cancelled </td> </tr> </table>		1.PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing	<input type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Discontinued or Cancelled
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(US\$1,000)	26,154	3,345	22,809																										
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1.PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing	<input type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Discontinued or Cancelled																												
2.NAME OF STUDY Nusa Tenggara Area Terrestrial Transmission Network Project		Nusa Tenggara Area		(Description) Suspended after the completion of F/S. In view of the delayed implementation of the transmission system between Java and Bali which has the higher priority than this project, the Indonesian government put off its request for OECF financing.																									
3.SECTOR Communications & Broadcasting/Telecommunication		2.PROJECT COST																											
4.REFERENCE NO.		3.CONTENTS OF MAJOR PROJECT(S)																											
5.TYPE OF STUDY F/S		(1) Main microwave system (1) 6GHz: 960ch-60Mbit/s Transmission system (2) 2GHz: 60ch/120ch-4/8Mbit/s (2) Spur microwave system (1) 800MHz,120ch analog Transmission system (2) 400MHz, analog construction																											
6.COUNTERPART AGENCY Ditjen Postel																													
7.OBJECTIVES OF STUDY To formulate the Nusa Tenggara Area Terrestrial Transmission Network Construction plan and evaluate its feasibility		8.DATE OF S/W Apr.1983																											
8.DATE OF S/W		Imp. Period: .1986-.1995																											
9.CONULTANT(S) Nippon Telecommunication Consulting Co., Ltd.		4.FEASIBILITY AND ITS ASSUMPTIONS Feasibility: Yes				<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"></td> <td style="width: 20%; text-align: center;">EIRR1)</td> <td style="width: 20%; text-align: center;">FIRR1)</td> <td style="width: 20%; text-align: center;">17.70</td> </tr> <tr> <td></td> <td style="text-align: center;">EIRR2)</td> <td style="text-align: center;">FIRR2)</td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">EIRR3)</td> <td style="text-align: center;">FIRR3)</td> <td></td> </tr> </table>			EIRR1)	FIRR1)	17.70		EIRR2)	FIRR2)			EIRR3)	FIRR3)											
	EIRR1)	FIRR1)	17.70																										
	EIRR2)	FIRR2)																											
	EIRR3)	FIRR3)																											
10.STUDY TEAM No. of Members 13 Period Aug.1983-Feb.1984 (6 months)		Conditions and Development Impacts: Conditions: exchange rate 985R=235Yen=1US\$ Construction works: Turn key system Development Impacts: For the system to satisfy circuit requirement expected in the year 2010		2.MAJOR REASONS FOR PRESENT STATUS Delay of related project; concrete project- Jawa-Bali terrestrial transmission project, Trans-Sumatra terrestrial project, Trans Sulawesi terrestrial project-relation of this project. High Priority than this project.																									
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"></td> <td style="width: 20%; text-align: center;">Japan</td> <td style="width: 20%; text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">21.90</td> <td style="text-align: center;">14.99</td> </tr> </table>			Japan			Field	Total M/M	21.90	14.99																				
	Japan	Field																											
Total M/M	21.90	14.99																											
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER On-job-training was conducted for the counterpart staff of RERUMTEL.		3.PRINCIPAL SOURCE OF INFORMATION ①																									
12.EXPENDITURE Total 91,955 (¥'000) Contracted 83,601																													

和名 ヌサテンガラ電気通信網整備計画

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

PROJECT SUMMARY (M/P)

ASE IDN/S 115/85

Compiled Mar.1988
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS 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	Master Plan on the Development of Aids to Navigation System	2.PROJECT COST						<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">(US\$1,000)</td> <td style="text-align: center;">1)</td> <td style="text-align: center;">464,741</td> <td style="text-align: center;">106,283</td> <td style="text-align: center;">358,458</td> </tr> <tr> <td style="text-align: center;">(US\$1=230Yen)</td> <td style="text-align: center;">2)</td> <td></td> <td></td> <td></td> </tr> </table>			(US\$1,000)	1)	464,741	106,283	358,458	(US\$1=230Yen)	2)																			
(US\$1,000)	1)	464,741	106,283	358,458																																
(US\$1=230Yen)	2)																																			
3.SECTOR	Transportation/Marine Transportation & Ships	3.CONTENTES OF MAJOR PROJECT(S)			(Description) 1) Several of lighthouses and floating signals were installed by the fund provided by the British Government 2) Radio-wave signals were installed by the fund provided by the United States(35 beacon stations in addition to the on-going installations)																															
4.REFERENCE NO.		<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Long-term</th> <th style="text-align: center;">Short-term</th> </tr> </thead> <tbody> <tr> <td>Light-wave signals</td> <td></td> <td></td> </tr> <tr> <td>Lighthouses(land)</td> <td style="text-align: center;">190</td> <td style="text-align: center;">69 (35)</td> </tr> <tr> <td>Floating lighthouses(sea)</td> <td style="text-align: center;">11</td> <td style="text-align: center;">2</td> </tr> <tr> <td>light signals</td> <td style="text-align: center;">335</td> <td style="text-align: center;">131 (81)</td> </tr> <tr> <td>Floating-type light signals</td> <td style="text-align: center;">18</td> <td style="text-align: center;">8</td> </tr> <tr> <td>Floats</td> <td style="text-align: center;">350</td> <td style="text-align: center;">249 (222)</td> </tr> <tr> <td>Radio-wave signals</td> <td></td> <td></td> </tr> <tr> <td>Medium-wave beacon stations</td> <td style="text-align: center;">39</td> <td style="text-align: center;">17</td> </tr> <tr> <td>Radar beacon stations</td> <td style="text-align: center;">67</td> <td style="text-align: center;">28 (8)</td> </tr> </tbody> </table>						Long-term	Short-term	Light-wave signals			Lighthouses(land)	190	69 (35)	Floating lighthouses(sea)	11	2	light signals	335	131 (81)	Floating-type light signals	18	8	Floats	350	249 (222)	Radio-wave signals			Medium-wave beacon stations	39	17	Radar beacon stations	67	28 (8)
	Long-term	Short-term																																		
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Medium-wave beacon stations	39	17																																		
Radar beacon stations	67	28 (8)																																		
5.TYPE OF STUDY	M/P	Note: Figures in parentheses indicate the units which were being installed during the study.																																		
6.COUNTERPART AGENCY	Directorate General of Sea Communications	4.CONDITIONS AND DEVELOPMENT IMPACTS																																		
7.OBJECTIVES OF STUDY	Formulation of a long-term development plan through 2000 and identification of short-term projects through 1989	The project will ensure the safe passage of vessels, raise the efficiency of ship operations, reduce marine accidents and thereby contribute to the growth of shipping industry and fisheries.																																		
8.DATE OF S/W	Jul.1983				2.MAJOR REASONS FOR PRESENT STATUS																															
9.CONSULTANT(S)	Japan Association for Aids to Navigation				<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">Japan</td> <td style="text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">77.44</td> <td style="text-align: center;">62.50</td> <td style="text-align: center;">14.94</td> </tr> </table>		Total M/M	Japan	Field	77.44	62.50	14.94	1)The 4th national development plan gave high priority on the development of sea communication and related infrastructure. 2)The Government of Indonesia applied for OECF finance on light-wave and radio-wave signal facilities, but the application was not successful due to the limit on project loans.																							
Total M/M	Japan						Field																													
77.44	62.50	14.94																																		
10.STUDY TEAM	No.of Members 14 Period Feb.1984-Mar.1985(14 months)																																			
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.TECHNICAL TRANSFER			3.PRINCIPAL SOURCE OF INFORMATION																															
12.EXPENDITURE		Participation of the counterparts in the JICA training program			①																															
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Total</td> <td style="text-align: center;">233,087 (¥'000)</td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">177,574</td> </tr> </table>	Total	233,087 (¥'000)	Contracted			177,574																													
Total	233,087 (¥'000)																																			
Contracted	177,574																																			

和名 航行援助施設整備基本計画

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

PROJECT SUMMARY (M/P)

ASE IDN/S 116/85

Compiled Mar.1988
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS																				
1.COUNTRY	Indonesia	1.SITE OR AREA	North Sumatra			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.PROJECT COST						<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">(US\$1,000)</td> <td style="text-align: center;">1)</td> <td style="text-align: center;">Total Cost</td> <td style="text-align: center;">Local Cost</td> <td style="text-align: center;">Foreign Cost</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">33,200</td> <td style="text-align: center;">8,450</td> <td style="text-align: center;">24,750</td> </tr> <tr> <td></td> <td style="text-align: center;">2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">(US\$1=250Yen)</td> <td></td> <td></td> <td></td> </tr> </table>			(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost			33,200	8,450	24,750		2)			
(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost																					
		33,200	8,450	24,750																					
	2)																								
	(US\$1=250Yen)																								
3.SECTOR	Social Infrastructures/Water Resource Development	3.CONTENTES OF MAJOR PROJECT(S)	1.Flood control of lower Asahan 2.Lake Toba operation both for flood control and power generation was proposed			(Description) Jan.1987 OECF loan agreement signed (E/S, 628 million yen) Mar.1988-Feb.1990 E/S completed. Note: This study is the Phase I of the lower Asahan River basin development. The study on Phase II (irrigation development) was already completed by JICA (Agriculture, Forestry and Fisheries Development Programme). The Phase I project was included in the application list for the FY1991 OECF Yen Credit, but not approved.																			
4.REFERENCE NO.		4.CONDITIONS AND DEVELOPMENT IMPACTS					Flood control of lower reaches of the Asahan river.																		
5.TYPE OF STUDY	M/P	10.STUDY TEAM	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">Japan</td> <td style="text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">61.42</td> <td style="text-align: center;">10.03</td> <td style="text-align: center;">51.39</td> </tr> </table>			Total M/M	Japan	Field	61.42	10.03	51.39	2.MAJOR REASONS FOR PRESENT STATUS Early implementation has been not realized owing to the financial condition.													
Total M/M	Japan	Field																							
61.42	10.03	51.39																							
6.COUNTERPART AGENCY	IPU	11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	3.PRINCIPAL SOURCE OF INFORMATION ①④																						
7.OBJECTIVES OF STUDY	Flood Control	12.EXPENDITURE			5.TECHNICAL TRANSFER The report was proposed by both Japanese consultants and Indonesian consultants																				
8.DATE OF S/W	Jun.1984																								
9.CONSULTANT(S)	Nihon Koei Co., Ltd. Yachiyo Engineering Co., Ltd. Nikken Consultants., Inc.																								

和名 アサハン河下流域開発計画

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

PROJECT SUMMARY (M/P)

ASE IDN/S 117/85

Compiled Mar.1988
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS														
1.COUNTRY	Indonesia	1.SITE OR AREA	Whole country		1.PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued													
2.NAME OF STUDY	Rural Telecommunications Network	2.PROJECT COST					<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">Total Cost</td> <td style="width: 15%; text-align: center;">Local Cost</td> <td style="width: 15%; text-align: center;">Foreign Cost</td> </tr> <tr> <td>(US\$1,000)</td> <td>1)</td> <td style="text-align: center;">5,200,000</td> <td></td> <td></td> </tr> <tr> <td></td> <td>2)</td> <td></td> <td></td> <td></td> </tr> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	1)	5,200,000			
		Total Cost	Local Cost	Foreign Cost															
(US\$1,000)	1)	5,200,000																	
	2)																		
3.SECTOR	Communications & Broadcasting/Telecommunication	3.CONTENTES OF MAJOR PROJECT(S)			(Description) Based on the master plan, a JICA study on the 6th five-year plan for telecommunication development was undertaken in 1992.														
4.REFERENCE NO.		The study proposed a network expansion in two work phases. The 1st phase will install telephones in Kabupaten capitals and Kecamatan capitals and the 2nd phase will extend the network to villages (desa). Total new telephone Installations will be 1,127,000.																	
5.TYPE OF STUDY	M/P																		
6.COUNTERPART AGENCY	POSTEL, PERUMTEL																		
7.OBJECTIVES OF STUDY	To establish long term plan for the Rural Telecommunication Network																		
8.DATE OF S/W	Mar.1984	4.CONDITIONS AND DEVELOPMENT IMPACTS																	
9.CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.	(1) The telephone demand in the year 2000 is estimated to be 1,364,000 L.U. in Kabupaten, and 3,534,000 L.U. in urban areas (Kotamadya). (2) The network improvement and expansion in Phase 2 (Repelita V: 1989-1993) will be in some 140 Kabupaten covering IKK and Kecamatan. (3) During Repelitas VI and VII, the network improvement and expansion will be carried out in the remaining 246 Kabupaten covering IKK and Kecamatan and also villages.																	
10.STUDY TEAM	No.of Members 17 Period Jun.1984-Aug.1985 (14 months)																		
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">Japan</td> <td style="width: 15%; text-align: center;">Field</td> </tr> <tr> <td>Total M/M</td> <td style="text-align: center;">42.34</td> <td style="text-align: center;">30.30</td> </tr> </table>							Japan	Field	Total M/M	42.34	30.30							
	Japan	Field																	
Total M/M	42.34	30.30																	
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER																	
12.EXPENDITURE		(1) 2 counterparts were invited to Japan for the training in general telecommunication and radio systems. (2) On the job training (PERUMTEL counterparts)			2.MAJOR REASONS FOR PRESENT STATUS														
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">Total</td> <td style="width: 15%; text-align: center;">191,396 (¥'000)</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">175,738</td> </tr> </table>								Total	191,396 (¥'000)			Contracted	175,738					
		Total	191,396 (¥'000)																
		Contracted	175,738																
					3.PRINCIPAL SOURCE OF INFORMATION ①														

和名 地方電気通信網整備計画

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

PROJECT SUMMARY (M/P+F/S)

ASE IDN/S 210A/85

Compiled Mar. 1988

Revised Mar. 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS																									
1.COUNTRY	Indonesia	1.SITE OR AREA	Ujung Pandang			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 Water Supply Development Project	2.PROJECT COST						<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">(US\$1,000)</td> <td style="text-align: center;">1)</td> <td style="text-align: center;">Total Cost</td> <td style="text-align: center;">Local Cost</td> <td style="text-align: center;">Foreign Cost</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">233,000</td> <td style="text-align: center;">120,000</td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">2)</td> <td></td> <td></td> <td></td> </tr> </table>			(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost			233,000	120,000			2)								
(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost																										
		233,000	120,000																											
	2)																													
3.SECTOR	Public Utilities/Water Supply	3.CONTENTES OF MAJOR PROJECT(S)	(Description) The M/P recommended that the plan be divided into two phases. The feasibility Study was conducted on the first phase.																											
4.REFERENCE NO.		First phase plan: two 500 l/s water treatment plants taking raw water from Jeneberang river, transmission/distribution pipes, and rehabilitation. Second phase plan: two 1,000 l/s water treatment plants taking raw water from Bili Bili Dam to be constructed in the future, as well as transmission/distribution pipes.																												
5.TYPE OF STUDY	M/P+ (F/S)																													
6.COUNTERPART AGENCY	Directorate General of Human Settlement (Cipta Karya), Ministry of Public Works																													
7.OBJECTIVES OF STUDY	M/P with target year of 2005, and F/S for one phase of two phases																													
8.DATE OF S/W	Mar. 1984																													
9.CONSULTANT(S)	Nihon Suido Consultants Co., Ltd.																													
10.STUDY TEAM	No. of Members 7 Period Jul. 1984-Oct. 1985 (15 months)																													
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY																														
12.EXPENDITURE	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Total</td> <td style="text-align: right;">224,197 (¥'000)</td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td style="text-align: right;">388,627</td> </tr> </table>	Total					224,197 (¥'000)	Contracted	388,627																					
Total	224,197 (¥'000)																													
Contracted	388,627																													
		4.CONDITIONS AND DEVELOPMENT IMPACTS	Conditions: Planning frame is as follows. <table style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="text-align: center;">(Year)</td> <td style="text-align: center;">1983</td> <td style="text-align: center;">1990</td> <td style="text-align: center;">1995</td> <td style="text-align: center;">2000</td> <td style="text-align: center;">2005</td> </tr> <tr> <td>Population (x1,000)</td> <td style="text-align: center;">768</td> <td style="text-align: center;">927</td> <td style="text-align: center;">1,050</td> <td style="text-align: center;">1,171</td> <td style="text-align: center;">1,286</td> </tr> <tr> <td>Served population (x1,000)</td> <td style="text-align: center;">262</td> <td style="text-align: center;">695</td> <td style="text-align: center;">840</td> <td style="text-align: center;">995</td> <td style="text-align: center;">1,157</td> </tr> <tr> <td>Water Requirements (1,000 cu.m/day)</td> <td style="text-align: center;">17</td> <td style="text-align: center;">70</td> <td style="text-align: center;">107</td> <td style="text-align: center;">146</td> <td style="text-align: center;">188</td> </tr> </table> Development impact: (1) The water service ratio will be 80% upon the completion of the first phase by serving 800,000 persons, which is increased from the present service population of 300,000. (2) The improvement of sanitation condition of the area, decrease in water born epidemic diseases, and improvement of environmental condition. (3) Enhance the industrial/housing development projects of city, resulting in the economic development of the area.				(Year)	1983	1990	1995	2000	2005	Population (x1,000)	768	927	1,050	1,171	1,286	Served population (x1,000)	262	695	840	995	1,157	Water Requirements (1,000 cu.m/day)	17	70	107	146	188
(Year)	1983	1990	1995	2000	2005																									
Population (x1,000)	768	927	1,050	1,171	1,286																									
Served population (x1,000)	262	695	840	995	1,157																									
Water Requirements (1,000 cu.m/day)	17	70	107	146	188																									
		5. TECHNICAL TRANSFER	Carried out training program in Japan for 2 counterparts in regard to water intake/treatment plant planning, leakage control.																											
		2.MAJOR REASONS FOR PRESENT STATUS		1. Priority was high as the city has been developing as center of industry and commerce in the Sulawesi region. 2. Water supply is a basic human needs for improvement of sanitary and environmental condition.																										
		3.PRINCIPAL SOURCE OF INFORMATION		①																										

和名 ウジュンパンダン市水道整備計画

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

PROJECT SUMMARY (M/P+F/S)

ASE IDN/S 210B/85

Compiled Mar.1988
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Indonesia	1.SITE OR AREA	Ujung Pandang			1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing
2.NAME OF STUDY	Ujung Pandang Water Supply Development Project	2.PROJECT COST					
3.SECTOR	Public Utilities/Water Supply		(US\$1,000)	72,000	35,000	(Description) Feb.1987 OECF E/S loan agreement (701 million yen) Jun.1987-May 1988 D/D of the first phase completed Jul.1988 OECF loan agreement on rehabilitation (1,364 million yen) Jul.1990 Rehabilitation started Sep.1992 Rehabilitation completed	
4.REFERENCE NO.		3.CONTENTES OF MAJOR PROJECT(S)	(US\$1=250.6Yen=1,115Rp)				
5.TYPE OF STUDY	(M/P)+F/S	Contents	1)				
6.COUNTERPART AGENCY	Directorate General of Human Settlement (Cipta Karya), Ministry of Public Works	Intake facility (intake, grit chamber, raw-trans-pipe)	2)				
7.OBJECTIVES OF STUDY	M/P with target year of 2005, and F/S for one phase of two phases	Treatment facility (new water treatment plant, receiving well, sedimentation tank, filtration basin, water reservoir)	3)				
8.DATE OF S/W	Mar.1984	Distribution facility (distribution pump, main/branch pipes)					
9.CONSULTANT(S)	Nihon Suido Consultants Co., Ltd.	Rehabilitation					
10.STUDY TEAM	No. of Members 8 Period Jul.1984-Oct.1985 (15 months)	Imp. Period: Oct.1987-Dec.1992					
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) FIRR1) 6.00 EIRR2) FIRR2) 12.30 EIRR3) FIRR3)			
12.EXPENDITURE	Total 224,197 (¥'000) Contracted 387,627	Conditions and Development Impacts: IRR was calculated considering: (1) 30 years of operation period of plant starting from 1992 (1st phase) (2) Use the present water tariff (3) Salable water rate of 80% in 1990 increased from 50% in 1985 (by rehabilitation) (4) Investment for rehabilitation started in 1986 Development Impact (1) Most of people can rely on water system (will increase the served population to 800,000 from the present of 300,000) (2) Enhance the development of industries, harbors and others (3) Improvement of health/sanitation/environmental condition (4) Increase of employment opportunity					
		5. TECHNICAL TRANSFER				2.MAJOR REASONS FOR PRESENT STATUS	High priority: Promotion of industrial location through sufficient supply of industrial water.
						3.PRINCIPAL SOURCE OF INFORMATION	①④

和名 ウジュンバンドン市水道整備計画

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

PROJECT SUMMARY (M/P+F/S)

ASE IDN/S 211A/85

Compiled Mar.1988
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS 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.PROJECT COST	<table style="width: 100%; border: none;"> <tr> <td style="border: none;">(US\$1,000)</td> <td style="border: none;">1)</td> <td style="border: none;">Total Cost</td> <td style="border: none;">Local Cost</td> <td style="border: none;">Foreign Cost</td> </tr> <tr> <td style="border: none;">(US\$1=1,030Rp)</td> <td style="border: none;">2)</td> <td style="border: none;">2,493,929</td> <td style="border: none;"></td> <td style="border: none;"></td> </tr> </table>		(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost	(US\$1=1,030Rp)	2)	2,493,929			(Description) A feasibility study was subsequently undertaken. The Wonorejo multi-purpose dam proposed in the master plan study is under implementation with OECF financing. Sep.1991 OECF L/A (E/S 241 million yen) Jul.1992 D/D started (to be completed in May 1993)	
(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost												
(US\$1=1,030Rp)	2)	2,493,929														
3.SECTOR	Social Infrastructures/Water Resource Development	3.CONTENTES OF MAJOR PROJECT(S)														
4.REFERENCE NO.		(1) Irrigated agriculture development (2) Water supply (3) Flood control (4) Dam and hydropower (5) Water shed conservation (6) Water management 16 projects are recommended														
5.TYPE OF STUDY	M/P+(F/S)															
6.COUNTERPART AGENCY	Ministry of Public Works, Directorate General of Water Resources Development, Directorate of Rivers															
7.OBJECTIVES OF STUDY	Water supply Flood control Water management															
8.DATE OF S/W	Feb.1984															
9.CONSULTANT(S)	Nihon Koel Co., Ltd. Nikken Consultants., Inc.															
10.STUDY TEAM	No.of Members 16 Period Jul.1984-Mar.1986 (21 months)	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.														
<table style="width: 100%; border: none;"> <tr> <td style="border: none;">Total M/M</td> <td style="border: none;">Japan</td> <td style="border: none;">Field</td> </tr> <tr> <td style="border: none;">123.97</td> <td style="border: none;">25.58</td> <td style="border: none;">98.39</td> </tr> </table>					Total M/M	Japan	Field	123.97	25.58	98.39						
Total M/M	Japan	Field														
123.97	25.58	98.39														
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.TECHNICAL 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.											
12.EXPENDITURE					3.PRINCIPAL SOURCE OF INFORMATION ①③											
		<table style="width: 100%; border: none;"> <tr> <td style="border: none;">Total</td> <td style="border: none;">337,764 (¥'000)</td> </tr> <tr> <td style="border: none;">Contracted</td> <td style="border: none;">323,985</td> </tr> </table>		Total	337,764 (¥'000)	Contracted	323,985									
Total	337,764 (¥'000)															
Contracted	323,985															

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 .1988
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT																			
1.COUNTRY	Indonesia	1.SITE OR AREA				1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled																		
2.NAME OF STUDY	Widas Flood Control and Drainage Project	Nganjuk District, East Java Province																							
3.SECTOR	Social Infrastructures/Water Resource Development	2.PROJECT 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.		<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 10%;"></th> <th style="width: 10%;">Total Cost</th> <th style="width: 10%;">Local Cost</th> <th style="width: 10%;">Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>1)</td> <td>22,700</td> <td>10,100</td> <td>12,600</td> </tr> <tr> <td>(US\$1=1,100Rp)</td> <td>2)</td> <td>56,900</td> <td>29,900</td> <td>27,000</td> </tr> <tr> <td></td> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Total Cost	Local Cost	Foreign Cost	(US\$1,000)	1)	22,700	10,100	12,600	(US\$1=1,100Rp)	2)	56,900	29,900	27,000		3)	
		Total Cost	Local Cost	Foreign Cost																					
(US\$1,000)	1)	22,700	10,100	12,600																					
(US\$1=1,100Rp)	2)	56,900	29,900	27,000																					
	3)																								
5.TYPE OF STUDY	(M/P)+F/S	3.CONTENTS OF MAJOR PROJECT(S)																							
6.COUNTERPART AGENCY	Ministry of Public Works, Directorate General of Water Resources Development, Directorate of Rivers	Irrigation Net irrigation area 2,599ha Main canal/2nd and 3rd canal 8km/98km Storage dam /place Flood Control 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																							
7.OBJECTIVES OF STUDY	Water supply Flood control Water management	4.FEASIBILITY AND ITS ASSUMPTIONS																							
8.DATE OF S/W	Feb.1984	Imp. Period: Jul.1988-Jun.1994 <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 10%;">Feasibility:</th> <th style="width: 10%;">EIRR1)</th> <th style="width: 10%;">10.60</th> <th style="width: 10%;">FIRR1)</th> </tr> </thead> <tbody> <tr> <td></td> <td>Yes</td> <td>EIRR2)</td> <td>12.00</td> <td>FIRR2)</td> </tr> <tr> <td></td> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> </tr> </tbody> </table>							Feasibility:	EIRR1)	10.60	FIRR1)		Yes	EIRR2)	12.00	FIRR2)			EIRR3)		FIRR3)			
	Feasibility:	EIRR1)	10.60	FIRR1)																					
	Yes	EIRR2)	12.00	FIRR2)																					
		EIRR3)		FIRR3)																					
9.CONSULTANT(S)	Nihon Koel Co., Ltd. Nikken Consultants., Inc.	Conditions and Development Impacts:				2.MAJOR REASONS FOR PRESENT STATUS																			
10.STUDY TEAM	No.of Members 16 Period Jul.1984-Mar.1986(21 months) <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 10%;">Japan</th> <th style="width: 10%;">Field</th> </tr> </thead> <tbody> <tr> <td>Total M/M</td> <td>123.97</td> <td>98.39</td> </tr> <tr> <td></td> <td>25.58</td> <td></td> </tr> </tbody> </table>		Japan	Field	Total M/M			123.97	98.39		25.58		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.												
	Japan	Field																							
Total M/M	123.97	98.39																							
	25.58																								
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER				3.PRINCIPAL SOURCE OF INFORMATION																			
12.EXPENDITURE	<table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 10%;">Total</td> <td style="width: 10%;">337,764 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td>323,985</td> </tr> </tbody> </table>	Total	337,764 (¥'000)	Contracted	323,985			(1) OJT and seminars																	
Total	337,764 (¥'000)																								
Contracted	323,985																								

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 327/85

Compiled Mar.1988
Revised Mar.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(In and around the Kampung Bandan station 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 Railway Improvement in Kampung Bandan Station Area		2.PROJECT COST		Total Cost	Local Cost		
		(US\$1,000)	1)	6,600	1,900	4,700	
		(US\$1=1,088Rp)	2)				
			3)				
3.SECTOR Transportation/Railway		3.CONTENTS OF MAJOR PROJECT(S)				(Description) After the completion of the F/S, the D/D was carried out in 1988 by using OECF fund. Construction started in January 1991 by OECF financing. Because this project aims at creating a commuter transport route and is indispensable to the loop operation, the organizations concerned are promoting its implementation by recognizing its importance. Mar. 1987 OECF loan agreement (27,661 million yen) For the central line elevation (B Section) and the electri- fication of the Bekasi line, the improvement of the Kampung Pandang Station, and the purchase of two rolling stock Dec. 1989 OECF loan agreement (10,381 million yen) For the construction of the elevated bridge (C Section) and the tracking & electrification of the entire elevated line Sep. 1992 OECF loan agreement (15,347 million yen) For signalling improvement of the East-West line, and the purchase of 24 cars	
4.REFERENCE NO.		(1) Shortcut line construction between the Eastern and the Western lines -- about 400m					
5.TYPE OF STUDY		(2) Station construction --- about 650sq.m					
6.COUNTERPART AGENCY		(3) Rearrangement of track alignment					
Directorate General of Land Transport and Inland Waterways		(4) Track raising in the project area: 50cm					
7.OBJECTIVES OF STUDY		(5) Construction of station facilities, including a station building station plaza, platforms, and passageways					
Railway improvement in the Kampung Bandan station area		(6) Related civil work, including drainage installation, and embankment reshaping.					
8.DATE OF S/W		(7) Signalling:automatic block devices, color light signal system, relay interlocking devices.					
Jul.1982		(8) Telecommunication:automatic exchange telephones, block telephones, public address equipment.					
9.CONSULTANT(S)		(9) Electrification					
Japan Railway Technical Service		(10) Warehouse Removal					
10.STUDY TEAM		4.FEASIBILITY AND ITS ASSUMPTIONS		Imp. Period: 1986-1989			
No.of Members 11		Feasibility: Yes		EIRR1) 17.80	FIRR1)		
Period Oct.1984-Jan.1986(15 months)				EIRR2)	FIRR2)		
				EIRR3)	FIRR3)		
Total M/M		Japan		Development Impacts:		2.MAJOR REASONS FOR PRESENT STATUS	
44.19		16.60		Preconditions:			
Field		27.59		Traffic was estimated for the years 1990,1995 and 2005 with the construction planned for 1988 & 1989. The start of the service was fixed for 1990.			
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER		Development Impacts:		3.PRINCIPAL SOURCE OF INFORMATION	
		(1) OJT: Guidance was rendered for each relevant technical field at site investigations.		(1) Reduce the number of rolling stock required.			
12.EXPENDITURE		(2) Four counterparts received training in Japan.		(2) Distribute radial line passengers to their ultimate destinations. (i.e. densely populated city centers, of which many are located along the Eastern and the Western Lines).			
Total		125,819 (¥'000)		(3) Contribute to balanced city growth by encouraging development of the western and the eastern parts of the JABOTABEK area.		①④	
Contracted		124,527					

和名 ジャカルタ大都市圏鉄道輸送計画 (カンボンバンドン駅地区改良計画)

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

PROJECT SUMMARY (F/S)

ASE IDN/S 328/85

Compiled Mar.1988

Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Indonesia	1.SITE OR AREA	Sections between Jakarta and Cirebon and between Jakarta and Bandung, western Java island			1.PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Implementing <input type="radio"/> Processing <input checked="" type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2.NAME OF STUDY	Electrification Project of Main Line in Java	2.PROJECT COST	1) Total Cost	Local Cost	Foreign Cost		
3.SECTOR	Transportation/Railway		(US\$1,000)	189,500	44,500	(Description) The project was suspended after completion of the F/S. At present, transport improvement in the JABOTABEK area is receiving high priority, because the upgrading of local trunk lines is to be conducted with the progress of the JABOTABEK project, it will take some time before the project implementation. At present, no discussion is being made on promoting electrification, because the situation of electric power supply is limited throughout the country and, for instance, introduction of private power generators is required in developing industrial parks and buildings. Considering that the speed increase on trunk lines has been taken up as a future objective, it is necessary, before electrification, to take effective measures for preventing train delay and ensuring safety by improving facilities for operation control, such as signals.	
4.REFERENCE NO.			2)				
5.TYPE OF STUDY	F/S	3.CONTENTS OF MAJOR PROJECT(S)	3)				
6.COUNTERPART AGENCY	Directorate General of Land Transport and Inland Waterways	Railway electrification					
7.OBJECTIVES OF STUDY	AC electrification project between Jakarta and Cirebon and Between Cikampek and Bandung	Bekasi - Cirebon 195km					
8.DATE OF S/W	Jul.1984	Cikampek - Bandung 90km					
9.CONSULTANT(S)	Japan Railway Technical Service	Electric locomotives, passenger cars, freight cars --- 58,107,478 (respectively)					
10.STUDY TEAM	No. of Members 15 Period Dec.1984-Feb.1986(13 months)	Substations --- 3 places					
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		Signalling					
12.EXPENDITURE	Total 165,264 (¥'000)	Bekasi - Cirebon --- Signal automation					
	Contracted	Cikampek - Bandung --- Introduction of a token-less system					
		Imp. Period: Apr.1988-Mar.1997					
		4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 21.00 EIRR2) EIRR3)	FIRR1) 18.50 FIRR2) FIRR3)	2.MAJOR REASONS FOR PRESENT STATUS	
		Conditions and Development Impacts:				(1) Worsening of the situation of electric power supply	
		(1) Preconditions				(2) Necessity of enormous funds	
		Future traffic was estimated for the years 1992,1997,2000, and 2007, considering increase in speed from railway electrification.				3.PRINCIPAL SOURCE OF INFORMATION	
		Increase in speed in road transport via expressway construction was also considered; however, the travel speed of ships was assumed to be the same as the present level. Fares were assumed to remain at their present level for the train, road, and shipping transport modes.				①	
		(2) Development impacts					
		Railway electrification will greatly increase train speed and the number of passenger and freight traffic, resulting in an improvement of the financial condition of the Indonesian State Railways and greatly contributing to the economic development of Indonesia.					
		5. TECHNICAL TRANSFER					
		Two counterparts received training from JICA.					

和名 ジャワ島幹線鉄道電化計画

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

PROJECT SUMMARY (F/S)

ASE IDN/S 326/85

Compiled Mar.1988

Revised Mar.1992

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 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	Karian Multipurpose Dam Construction Project	2.PROJECT COST		Total Cost	Local Cost		
3.SECTOR	Social Infrastructures/Water Resource Development			1) 282,000	169,470	112,530	
4.REFERENCE NO.				2) (US\$1=1,050Rp)			
5.TYPE OF STUDY	F/S			3)			
6.COUNTERPART AGENCY	Directorate Planning & Programming, Directorate General of Water Resources Development, Ministry of Public Works	3.CONTENTS OF MAJOR PROJECT(S)				(Description) The Indonesian government requested the OECF financing but did not get the approval. Special Note: Cisadane River Basin Development Project, which is located to the east of the proposed Karian Multipurpose Dam, was implemented by the World Bank finance. Owing to the growing need to supply water to Jakarta, the possibility of sending raw water from Karian to Jakarta via Cisadane is now being reconsidered. JICA has agreed to undertake a feasibility study (Integrated Water Resource Development Project in Ciujung and Cidolian), starting from June 1993. The construction of the Karian Dam is being planned after the completion of the study.	
7.OBJECTIVES OF STUDY	Optimum use of limited water resources	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-Cicinta 1.9km long, 2.7cu.m/s in cap K-C-C irrigation facilities 10.300 ha River training 26km					
8.DATE OF S/W	Mar.1984	Imp. Period: Jul.1988-Mar.1993					
9.CONSULTANT(S)	Nihon Koei Co., Ltd. Mitsui Consultants Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 14.30 EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)		
10.STUDY TEAM	No.of Members 17 Period Jul.1984-Jul.1985 (0 months)	Conditions and Development Impacts:					
	Total M/M	Japan	Field				
	79.35	26.04	53.31				
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Analysis of water samples 404,000 Yen	5.TECHNICAL TRANSFER					
12.EXPENDITURE	Total 200,442 (¥'000) Contracted 200,692	(1) OJT (2) Use of local consultants					
							2.MAJOR REASONS FOR PRESENT STATUS
						3.PRINCIPAL SOURCE 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)

ASE IDN/S 330/85

Compiled Mar.1988
Revised Mar.1992

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		2.PROJECT COST																							
Improvement Project of Telephone Network in Medan, Semarang and Solo		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"></td> <td style="width: 10%; text-align: center;">1)</td> <td style="width: 15%; text-align: center;">Total Cost</td> <td style="width: 15%; text-align: center;">Local Cost</td> <td style="width: 15%; text-align: center;">Foreign Cost</td> </tr> <tr> <td style="text-align: center;">(US\$1,000)</td> <td></td> <td style="text-align: center;">156,211</td> <td style="text-align: center;">139,803</td> <td style="text-align: center;">16,408</td> </tr> <tr> <td style="text-align: center;">(US\$1=250Yen)</td> <td style="text-align: center;">2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">3)</td> <td></td> <td></td> <td></td> </tr> </table>			1)	Total Cost	Local Cost	Foreign Cost	(US\$1,000)		156,211	139,803	16,408	(US\$1=250Yen)	2)					3)				(Description) Following the proposals of the study, 2 or 3 new exchanges were 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 for the project to be scheduled.	
	1)	Total Cost	Local Cost	Foreign Cost																					
(US\$1,000)		156,211	139,803	16,408																					
(US\$1=250Yen)	2)																								
	3)																								
3.SECTOR		3.CONTENTS OF MAJOR PROJECT(S)																							
Communications & Broadcasting/Telecommunication		Number of Telephone to be installed (for the year 2000) (1) Medan 219,200 L.U. (2) Semarang 149,500 L.U. (3) Solo 49,100 L.U.																							
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS Feasibility: Yes EIRR1) FIRR1) 20.93 EIRR2) FIRR2) EIRR3) FIRR3)																							
5.TYPE OF STUDY	F/S																								
6.COUNTERPART AGENCY	POSTEL, PERUMTEL																								
7.OBJECTIVES OF STUDY	To formulate long-term telephone network plans for three cities of Medan, Semarang and Solo with 2005 as final year.																								
8.DATE OF S/W	Jun.1984	Imp. Period: 1985-1990		2.MAJOR REASONS FOR PRESENT STATUS 1, Effectiveness 2, High priority of this project progressed the project.																					
9.CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.	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																							
10.STUDY TEAM		5. TECHNICAL TRANSFER		3.PRINCIPAL SOURCE OF INFORMATION ①																					
No.of Members 18 Period Nov.1984-Oct.1985 (13 months)																									
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"></td> <td style="width: 10%; text-align: center;">Japan</td> <td style="width: 15%; text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">34.67</td> <td style="text-align: center;">46.54</td> </tr> <tr> <td style="text-align: center;">81.21</td> <td></td> <td></td> </tr> </table>			Japan	Field	Total M/M	34.67	46.54	81.21			(1) Trainee acceptance: 2 counterparts invited to Japan, and Training for a month. (2) On the job training (PERUMTEL counterparts)														
	Japan	Field																							
Total M/M	34.67	46.54																							
81.21																									
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY																									
12.EXPENDITURE																									
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"></td> <td style="width: 10%;"></td> <td style="width: 15%; text-align: center;">192,347 (¥'000)</td> </tr> <tr> <td style="text-align: center;">Total</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">193,672</td> <td></td> </tr> </table>				192,347 (¥'000)	Total			Contracted	193,672																
		192,347 (¥'000)																							
Total																									
Contracted	193,672																								

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)