

# PROJECT SUMMARY (F/S)

ASE IDN 315/80

Compiled March 1986  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Makassar Shipyard in Ujung Pandang, Sulawesi		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	Reinforcement and Expansion Plan of P.T. IKI Makassar Shipyard at Ujung Pandang	2. PROJECT COSTS	(US\$1=203 yen) Total Cost      Local Cost      Foreign Cost (US\$1,000)      1)      62,399      15,093 2) 3)		
3. SECTOR	Transportation/ Marine Transportation & Ships	3. CONTENTS OF MAJOR PROJECT(S)	- New shipbuilding facilities 135m x 20m (for 5,000DWT ships) - Ship repairing facilities (a graving dock) 140m x 18m x d. 7m (for 7,000DWT ships)		(Description)  March 1985      OECF E/S loan agreement May 1989      D/D completed  The project was changed to construct and repair ships up to 3,000DWT. However, because of the policy change in the Ministry of Industry, the application for OECF finance has been withdrawn.
4. REFERENCE NO.		Implementation Period: 5 years			
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR      FIRR 17.58%      13.39%  Feasibility: Yes		
6. COUNTERPART AGENCY	Directorate General of Basic Metal and Machinery Industry	Conditions and Development Impacts: Assumptions: (1) Project life of 20 years; (2) annual inflation of 10%; (3) initial investment of 12.70 billion yen; (4) loaned capital (8% annual interest) 70% and own capital 30%; (5) total benefits 34.76 billion yen and total costs 28.37 billion yen. Development impacts: (1) Increase of national income (10.2 billion yen per year); (2) growth of related industries (increase of gross sales 1 billion yen per year); (3) savings of foreign exchange (costs of ship purchases and repair works done overseas 3.5 billion yen per year); (4) increase of employment (700 jobs in shipbuilding and 2800 jobs in related industries and services); (5) indirect development effects in the surrounding areas  Notes: 1984 constant price; and annual figures pertain to the			
7. OBJECTIVES OF STUDY	Examination of conditions for improving the Makassar Shipyard and geological survey	5. TECHINCAL TRANSFER		2. MAJOR REASONS FOR PRESENT STATUS	
8. DATE OF S/W	Mar. 1980	OJT during the joint preparation of the report.		Change of policy	
9. CONSULTANT(S)	Shipbuilding Research Centre of Japan			3. PRINCIPAL SOURCES OF INFORMATION	
10. STUDY TEAM	No. of Members 9 Period Jun. 1980 - Mar. 1981 (9 months)  Total M/M 29.80 Japan 19.23 Field 10.67			(1) (2)	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY					
12. EXPENDITURE	Total 98,271 (Y'000) Contracted 90,294				

和名 マカッサル造船所整備計画

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

# PROJECT SUMMARY (F/S)

ASE IDN 316/80

Compiled March 1986  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																					
1. COUNTRY	Indonesia	1. SITE OR AREA	Madiun City (Middle Java)																						
2. NAME OF STUDY	Madiun River Urgent Improvement Project	2. PROJECT COSTS	(US\$1=240Yen)																						
			Total Cost	Local Cost	Foreign Cost																				
		(US\$1,000)	1) 29,890																						
			2)																						
			3)																						
3. SECTOR	Social Infrastructures/ River & Erosion Control	3. CONTENTS OF MAJOR PROJECT(S)																							
		Structure	Scale																						
		Levee	9 million cu.m																						
		Channel	about 5 km																						
		Bridge (construction)	2 bridges																						
		(re-construction)	3 bridges																						
		Sluice	49 nos.																						
		Revetment	0.5 million cu.m																						
4. REFERENCE NO.		Implementation Period:	Jun.1982 - May1985																						
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR																					
6. COUNTERPART AGENCY	MPW Directorate General Water Resources		11.5%																						
7. OBJECTIVES OF STUDY	Hydrology River engineering Bridge	Feasibility: Yes																							
8. DATE OF S/W	Feb.1980	Conditions and Development Impacts:																							
9. CONSULTANT(S)	Nippon Koei Co.,Ltd. CTI Engineering Co.,Ltd.	The project was studied under the following conditions:																							
10. STUDY TEAM	No. of Members 8 Period Mar.1980 - Dec.1980 (9 months)  Total M/M 38.5 Japan 14.5 Field 24.0	(1) Flood control in the upstream reach (Penorogo City) is executed mainly at Bendo and Badogan Dams. (2) Flood control in the downstream reach is executed subsequently to the Project. Flood discharge of 1,200cu.m/s (17 years return period) is controlled in the Madiun City and its suburbs. Annual benefit was estimated at 2.8 million US\$																							
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINCAL TRANSFER																							
12. EXPENDITURE	Total 91.450 (¥'000) Contracted 86,668	(1) OJT : (2) Training in Japan :																							
		1. PRSENT 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																						
		(Description)	D/D completed 1/1985 L/A contract (OECF) 2/1985  Loan Yen credit 6,400 million Yen (1st stage) Domestic fund 26,200 million Yen (1st stage)  Construction <table border="1"> <thead> <tr> <th>Package</th> <th>Contract</th> <th>Completion</th> <th>Const.Cost.</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>12/1988</td> <td>2/1990</td> <td>5,781 million Rp.</td> </tr> <tr> <td>2</td> <td>12/1989</td> <td>6/1991</td> <td>12,079 million Rp.</td> </tr> <tr> <td>3</td> <td>12/1988</td> <td>2/1991</td> <td>4,118 million Rp.</td> </tr> <tr> <td>Total</td> <td></td> <td></td> <td>21,978 million Rp.</td> </tr> </tbody> </table> Present Condition - After the completion of detailed design, both banks of the River have been eroded. Additional revetment is required - Due to the devaluation of Rupiah, the construction costs are expected to be lower than the yen loan. The remaining balance is expected to be used for the flood control project in the downstream reach.			Package	Contract	Completion	Const.Cost.	1	12/1988	2/1990	5,781 million Rp.	2	12/1989	6/1991	12,079 million Rp.	3	12/1988	2/1991	4,118 million Rp.	Total			21,978 million Rp.
Package	Contract	Completion	Const.Cost.																						
1	12/1988	2/1990	5,781 million Rp.																						
2	12/1989	6/1991	12,079 million Rp.																						
3	12/1988	2/1991	4,118 million Rp.																						
Total			21,978 million Rp.																						
		2. MAJOR REASONS FOR PRESENT STATUS																							
		3. PRINCIPAL SOURCES OF INFORMATION	(1)																						

和名 マディウン河緊急治水計画

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

ASE IDN 311 /80

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	26 station in whole country		1. PRSENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="radio"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="radio"/> Processing
2. NAME OF STUDY	Coastal Radio Communications	2. PROJECT COSTS	Total Cost      Local Cost      Foreign Cost (US\$1,000)    1)                  11,357                  1,357                  10,000 2) 3)		
3. SECTOR	Communications & Broadcasting/ Telecommunication	3. CONTENTS OF MAJOR PROJECT(S)	<div style="display: flex;"> <div style="flex: 1;">Contents</div> <div style="flex: 1;">Scale</div> </div> <ul style="list-style-type: none"> <li>- Short term development program               <ul style="list-style-type: none"> <li>Coast station facilities      8 station</li> <li>SAR facilities                      9 station</li> </ul> </li> <li>- Long term development program               <ul style="list-style-type: none"> <li>Coast station facilities      222 station</li> <li>SAR facilities                      30 station</li> </ul> </li> </ul>		(Description)
4. REFERENCE NO.				Sep.1981 OECF L/A (¥2,300 million)	
5. TYPE OF STUDY	F/S			Feb.1985 OECF L/A (¥3,600 million)	
6. COUNTERPART AGENCY	Directorate General of Sea Communications			Aug.1990 Construction completed	
7. OBJECTIVES OF STUDY					
8. DATE OF S/W	Feb. 1981	Implementation Period:	1983 - 1999		
9. CONSULTANT(S)	Nippon Telecommunication Consulting Co.,Ltd.	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR	
10. STUDY TEAM	No. of Members    7 Period              Feb.1981 - Mar.1981 (1 months)  Total M/M            2.73 Japan             2.00 Field              0.73	Feasibility: Yes			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		Conditions and Development Impacts: Conditions: In order to replace old facilities, review each exchange class, and study the utilization of INMARSAT Development Impacts: It becomes easier to reduce coastal and rescue activities.		2. MAJOR REASONS FOR PRESENT STATUS	
12. EXPENDITURE	Total            12,623 (¥'000) Contracted      6,061	5. TECHINICAL TRANSFER		Effectiveness	
		(1) Trainee acceptance : 3 counterparts invited to Japan, and studied contents of project. (2) On the job training (PERUMTEL counterparts)		3. PRINCIPAL SOURCES OF INFORMATION	
				(1) (2)	

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

Compiled	March 1986
Revised	March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT		
1. COUNTRY	Indonesia	1. SITE OR AREA			<div>1. PRSNT STATUS</div> <div><input checked="" type="checkbox"/> Completed or in Progress      <input type="checkbox"/> Promoting <input type="radio"/> Completed        <input type="checkbox"/> Delayed or Suspended <input checked="" type="radio"/> Implementing     <input type="checkbox"/> Discontinued or Cancelled <input type="radio"/> Processing</div>	
2. NAME OF STUDY		City of Jakarta				
Improvement of Telephone Network in the City of Jakarta		2. PROJECT COSTS	Total Cost	Local Cost		Foreign Cost
		(US\$1,000)	1) 181,600	23,100		158,500
			2)			
			3)			
3. SECTOR		3. CONTENTS OF MAJOR PROJECT(S) In accordance with increasing numbers of practical telephones a installation plan for switching system,exchange building as well as junction and subscriber cable expansions is formulated in due consideration of existing telephone facilities. (1)Construction of Building (2)Construction of Switching system (3)Construction of Cable: Including primary cable, secondary cable, cross-connecting cabinets,junction cable, and loaded paires. (4)Civil works; Manhole and Duct works. (5)Work of PCM system; Including multiplexers,office repeaters, line repeater housings,and line repeaters units.			(Description)  Sep.1981 OECF loan agreement(¥3,960 million) Feb.1985 OECF loan agreement(¥5,600 million) As of Jan.1991, construction is under way. Scheduled to be completed in late May 1991.	
Communications & Broadcasting/ Telecommunication						
4. REFERENCE NO.						
5. TYPE OF STUDY	F/S					
6. COUNTERPART AGENCY						
POSTEL, PERUMTEL						
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.	Implementation Period: 1981 - 1986				
8. DATE OF S/W	Dec.1978	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
9. CONSULTANT(S)	Nippon Telecommunication Consulting Co.,Ltd.	Feasibility: Yes				
		Conditions and Development Impacts: Condition of telephone demand forecast as annual growth rate of GDP per capita is 4.5%, population increase figures are adopted from the Statistical Year Book of Indonesia 1977. Development Impacts is that 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.				
10. STUDY TEAM	No. of Members 11 Period Jun.1979 - Feb.1981 (20 months)  Total M/M 112.26 Japan 28.83 Field 83.43				2. MAJOR REASONS FOR PRESENT STATUS	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY					Effectiveness	
12. EXPENDITURE	Total 250,159 (¥'000) Contracted 249,545	5. TECHINCAL TRANSFER (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)			3. PRINCIPAL SOURCES OF INFORMATION  (1)	

Compiled	March 1986
Revised	March 1991

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="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	Telecommunication Network in Developing Areas Surrounding Medan and Ujung Pandang	2. PROJECT COSTS	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1) (US\$1,000)</td> <td>73,913</td> <td>33,970</td> <td>39,943</td> </tr> <tr> <td>2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	1) (US\$1,000)	73,913	33,970	39,943	2)				3)		
	Total Cost	Local Cost	Foreign Cost																	
1) (US\$1,000)	73,913	33,970	39,943																	
2)																				
3)																				
3. SECTOR	Communications & Broadcasting/ Telecommunication	3. CONTENTS OF MAJOR PROJECT(S)	<table border="1"> <thead> <tr> <th>Contents</th> <th>Scale</th> </tr> </thead> <tbody> <tr> <td>Telephone Switching and Subscriber Cable</td> <td>Sumatra North 48 station Sulawesi South 48 station</td> </tr> <tr> <td>Transmission System</td> <td>Sumatra North 53 section Sulawesi South 25 section</td> </tr> </tbody> </table>		Contents	Scale	Telephone Switching and Subscriber Cable	Sumatra North 48 station Sulawesi South 48 station	Transmission System	Sumatra North 53 section Sulawesi South 25 section	(Description)  Discontinued after F/S Future prospect unknown									
Contents	Scale																			
Telephone Switching and Subscriber Cable	Sumatra North 48 station Sulawesi South 48 station																			
Transmission System	Sumatra North 53 section Sulawesi South 25 section																			
4. REFERENCE NO.		Implementation Period: 1981 - 1985																		
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS																		
6. COUNTERPART AGENCY	POSTEL PERUMTEL	<table border="1"> <thead> <tr> <th></th> <th>EIRR</th> <th>FIRR</th> </tr> </thead> <tbody> <tr> <td>Feasibility: Yes</td> <td>12%</td> <td>9.2%</td> </tr> </tbody> </table>			EIRR	FIRR	Feasibility: Yes	12%	9.2%											
	EIRR	FIRR																		
Feasibility: Yes	12%	9.2%																		
7. OBJECTIVES OF STUDY	To clarify the feasibility for the project of establishing a telecommunication network in developing areas surrounding Medan and Ujung Pandang.	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.		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.																
8. DATE OF S/W	Apr. 1980	5. TECHINCAL TRANSFER																		
9. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.	(1) Trainee acceptance: Engineer invited to Japan, implemented technical training. (2) On the Job training (PERUMTEL counterparts)																		
10. STUDY TEAM	<table border="1"> <tbody> <tr> <td>No. of Members</td> <td>12</td> </tr> <tr> <td>Period</td> <td>Jun. 1980 - Feb. 1981 (7.5 months)</td> </tr> <tr> <td>Total M/M</td> <td>13.23</td> </tr> <tr> <td>Japan</td> <td>1.50</td> </tr> <tr> <td>Field</td> <td>11.73</td> </tr> </tbody> </table>	No. of Members	12	Period	Jun. 1980 - Feb. 1981 (7.5 months)	Total M/M	13.23	Japan	1.50	Field	11.73	3. PRINCIPAL SOURCES OF INFORMATION		(1)						
No. of Members	12																			
Period	Jun. 1980 - Feb. 1981 (7.5 months)																			
Total M/M	13.23																			
Japan	1.50																			
Field	11.73																			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY																				
12. EXPENDITURE	<table border="1"> <tbody> <tr> <td>Total</td> <td>58,215 (¥000)</td> </tr> <tr> <td>Contracted</td> <td>25,261</td> </tr> </tbody> </table>	Total	58,215 (¥000)	Contracted	25,261															
Total	58,215 (¥000)																			
Contracted	25,261																			

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

# PROJECT SUMMARY (Basic Study)

Compiled March 1990  
Revised March 1991

ASE IDN 501/80

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	1. PRESENT STATUS		
2. NAME OF STUDY	Local Roads Support Works in Seven Provinces	17 kabupatens in 7 provinces of Riau, Lampung, South Sumatra, North Sulawesi, South Sulawesi, Southeast Sulawesi and East Nusatenggara	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued		
3. SECTOR	Transportation/ Road	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	(Description)		
4. REFERENCE NO.		Total Cost Local Cost Foreign Cost	July 1980 OECF loan agreement on the purchase of road construction equipment (4,900 million yen)		
5. TYPE OF STUDY	Basic Study	(US\$1,000) 1) 2)			
6. COUNTERPART AGENCY	Directorate General of Highways, Ministry of Public Works	3. MAJOR PROJECT(S) PROPOSED			
7. OBJECTIVES OF STUDY	Development of information base on local roads	In order to prepare basic data necessary for the appraisal by the OECF, the study analyzed the information (local roads, bridges and inventories) collected by the survey of the Government of Indonesia and undertook a supplementary survey.			
8. DATE OF S/W	Jun.1984	4. CONDITIONS AND DEVELOPMENT IMPACTS			
9. CONSULTANT(S)	International Engineering Consultants Association				
10. STUDY TEAM	No. of Members Period Feb.1980 - Jul.1980 (5 months)  Total M/M Japan Field		2. MAJOR REASONS FOR PRESENT STATUS		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY					
12. EXPENDITURE	Total 66,138 (¥'000) Contracted	5. TECHINCAL TRANSFER	3. PRINCIPAL SOURCES OF INFORMATION		
			(1)		

# PROJECT SUMMARY (M/P)

ASE IDN 110/81

Compiled March 1990  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	Whole country 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. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	(US\$1=210Yen) Total Cost    Local Cost    Foreign Cost (US\$1,000)    1)    193,683    35,134    158,549 2)		
3. SECTOR	Communications & Broadcasting/ Telecommunication	3. MAJOR PROJECT(S) PROPOSED	(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.		(Description) June 1984 OECF loan agreement (4,377 million yen) Jan. 1992 Phases 1, 2 and 3 are scheduled to be completed. (loan agreement was extended 3 years)
4. REFERENCE NO.		4. CONDITIONS AND DEVELOPMENT IMPACTS			
5. TYPE OF STUDY	M/P		(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.		2. MAJOR REASONS FOR PRESENT STATUS (1) Effectiveness (2) High Priority
6. COUNTERPART AGENCY	Directorate General of Sea communications	5. TECHINICAL TRANSFER			
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.		(1) Trainee acceptance; 3 counterparts invited to Japan, and Training on Contents of Project. (2) On the job training (PERUMTEL counterparts)		3. PRINCIPAL SOURCES OF INFORMATION (1) (2)
8. DATE OF S/W	Feb. 1981				
9. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.				
10. STUDY TEAM	No. of Members    16 Period    Jun. 1981 - Mar. 1982 (10 months)  Total M/M    16.67 Japan    1.17 Field    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 + F/S)

Compiled	March 1986
Revised	March 1991

ASE IDN 203A /81

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	JABOTABEK area and Serpong	1. PRSENT 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. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	US\$1=220Yen=625Rp Total Cost      Local Cost      Foreign Cost 1) 297,000      884,800 2)	(Description)	Following the M/P report submitted in 1981, the Project Management Group (PMG) was established to supervise the implementation. In 1985, a master program was drawn up by adjusting economic parameters of the above master plan. Component projects of the program are now in various stages of implementation.
3. SECTOR	Transportation/ Railway	3. MAJOR PROJECT(S) PROPOSED	- Long-term master plan with a target year 2000 - This is a big project consisting of 29 sub-projects that include construction of the Cengkareng Airport line, as well as double tracking, track elevation, signal automation, rolling stock base construction, etc. for about 160km of conventional line.		
4. REFERENCE NO.		4. CONDITIONS AND DEVELOPMENT IMPACTS	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 increases 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.	2. MAJOR REASONS FOR PRESENT STATUS	(1) Size of the impact from project implementation. (2) Importance of this project in Indonesia. (3) Strength of setup for project promotion: The Indonesian government established PMG to promote the JABOTABEK project, and JARTS is providing its fullest cooperation as an in-house consultant.
5. TYPE OF STUDY	M/P+(F/S)	5. TECHINICAL TRANSFER	Site investigations were conducted with the cooperation of counterparts.	3. PRINCIPAL SOURCES OF INFORMATION	(1) (2)
6. COUNTERPART AGENCY	Directorate General of Land Transport and Inland Waterways				
7. OBJECTIVES OF STUDY	Comprehensive modernization planning of the conventional railway network in and around Jakarta City				
8. DATE OF S/W	Feb.1980				
9. CONSULTANT(S)	Japan Railway Technical Service				
10. STUDY TEAM	No. of Members 18 Period May 1980 - Mar.1982 (27 months)  Total M/M 105.68 Japan 59.16 Field 46.52				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY					
12. EXPENDITURE	Total 264,645 (Y'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}



ASE IDN 203B /81

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 Manggarai 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="radio"/> Completed <input checked="" type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Urban/Suburban Railway Transportation in "Jabotabek"Area	2. PROJECT COSTS	US\$1=230Yen=630Rp Total Cost Local Cost Foreign Cost 1) 131,304 66,087 65,217 2) 154,348 3) 163,913	(Description)	The elevated track and related facilities are now under construction to be completed during FY 1992. OECF financing for this project and its related projects (separated crossing at Manggarai Station, new railway line for Cengkareng Airport, improvements on Merak and Tangerang lines, and railway improvement in Kampung Bandan Station area have been approved as follows.
3. SECTOR	Transportation/ Railway	3. CONTENTS OF MAJOR PROJECT(S)	A B C Track and facilities 18300 20200 20600 Electrification 3400 3900 3600 Signalling & telecommunications 700 1100 1000 Land & houses 2600 4600 6600 New station construction 5200 5700 5900 (million Yen)		May 1982 Jabotabek Railway Modernization I (5,524 million yen) Sep.1983 Ditto II (6,631 million yen) Jun.1984 Ditto III (5,203 million yen) Dec.1985 Ditto IV (9,301 million yen) Jan.1987 Ditto V (27,661 million yen) Dec.1987 Ditto VI (13,565 million yen) Dec.1989 Ditto VII (10,381 million yen)
4. REFERENCE NO.		Implementation Period:	1986 - 1992		
5. TYPE OF STUDY	(M/P)+F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR FIRR		
6. COUNTERPART AGENCY		Feasibility: Yes			
7. OBJECTIVES OF STUDY		Conditions and Development Impacts: (1) 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 (2) 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.			
8. DATE OF S/W	Feb.1980			2. MAJOR REASONS FOR PRESENT STATUS	(1) The Indonesian government is putting the top priority on this project. (2) JARTS is supporting its implementation as an in-house consultant.
9. CONSULTANT(S)	Japan Railway Technical Service				
10. STUDY TEAM	No. of Members 18 Period May 1980 - Mar.1982 (27 months)  Total M/M 105.68 Japan 59.16 Field 46.52			3. PRINCIPAL SOURCES OF INFORMATION	(1) (2)
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINICAL TRANSFER	Site investigations were conducted with the cooperation of counterparts.		
12. EXPENDITURE	Total 264,645 (¥'000) Contracted 250,672				

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

Compiled March 1986  
Revised March 1991

ASE IDN 204A/81

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA		1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Development Project of the Port of Sorong	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	(US\$1=625Rp) Total Cost Local Cost Foreign Cost	(Description) Name of F/S performed: Feasibility study on Sorong port development project	
3. SECTOR	Transportation/ Port	(US\$1,000)	1) 11,059 4,586 2)		
4. REFERENCE NO.		3. MAJOR PROJECT(S) PROPOSED			
5. TYPE OF STUDY	M/P+(F/S)	The development and expansion of Sorong Port located at the western end of West Irian.  Major projects in the long-term development plan through the year 2000 are: West port area - Construction of new one berth - Expansion of the existing concrete pier - Remodelling of wooden jetty East port area - Construction of new 6 parallel wharves  Major projects in the medium-term development plan are: - Construction of one large wharf adjoining the existing concrete pier - Building of one warehouse - Purchasing of one tugboat and two forklifts			
6. COUNTERPART AGENCY	Directorate General of Sea Communication	4. CONDITIONS AND DEVELOPMENT IMPACTS		2. MAJOR REASONS FOR PRESENT STATUS	
7. OBJECTIVES OF STUDY	M/P aiming the year 2000 F/S on the development of the port and harbour aiming the year 1985	In Maluku and Irianjaya province in Indonesia, transportation of commodities for daily life is greatly dependent on the sea transportation. At present, there is only Ambon port in these two provinces as the center for the domestic port, and the area covered by this port is too wide. Therefore, one more port will be added as the center for the domestic port by realizing this project, which will meet future increase in cargo volume of domestic and foreign trade, and smooth distribution of commodities.			
8. DATE OF S/W	Mar. 1980	5. TECHINICAL TRANSFER		3. PRINCIPAL SOURCES OF INFORMATION	
9. CONSULTANT(S)	The Overseas Coastal Area Development Institute of Japan (OCDI)	(1) Counterpart training Training for the methods of F/S carried out for 3 trainees. (2) Report Writing Draft, final report, etc were made together with OCDI members in Japan.			
10. STUDY TEAM	No. of Members 7 Period May 1980 - May 1981 (12 months)  Total M/M 54.58 Japan 31.50 Field 23.08				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY					
12. EXPENDITURE	Total 121,228 (¥000) Contracted 122,811				

和名 ソロン港整備計画

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

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

ASE IDN 204B/81

Compiled March 1986  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA			1. PRESENT STATUS  <input type="checkbox"/> Completed or in Progress <input type="radio"/> Completed <input type="radio"/> Implementing <input type="radio"/> Processing <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Development Project of the Port of Sorong	1rian,Irianjaya Prvince			
3. SECTOR	Transportation/ Port	2. PROJECT COSTS	(US\$1=625Rp)		(Description)  After the completion of F/S, the project was suspended. The F/S was reviewed in 1985 with Dutch assistance, and financing is being requested from the Dutch Government.
4. REFERENCE NO.		Total Cost	Local Cost	Foreign Cost	
5. TYPE OF STUDY	(M/P)+F/S	(US\$1,000) 1) 11,059	2) 4,586	3)	
6. COUNTERPART AGENCY	Directorate Genaral of Sea Communication	3. CONTENTS OF MAJOR PROJECT(S)			
7. OBJECTIVES OF STUDY	M/P aiming the year 2000 F/S on the development of the port and harbour aiming the year 1985	Item(Middle-term Development Plan) Size Wharf L: 180m D: -10m Warehouse 40m X 100m Open storage yard 2900 sq.m			
8. DATE OF S/W	Mar. 1980	Implementation Period: Feb. 1982 - Dec. 1984			
9. CONSULTANT(S)	The Overseas Coastal Area Development Institute of Japan (OCDI)	4. FEASIBILITY AND ITS ASSUMPTIONS			
10. STUDY TEAM	No. of Members 7 Period May 1980 ~ May 1981 (12 months)  Total M/M 54.58 Japan 31.50 Field 23.08	Feasibility: Yes  Conditions and Development Impacts: There are following conditions: - Increase in GRDP Irianjaya Province Maluku Province 1978 - 1985 5.1% 11.2% 1978 - 2000 5.0% 6.7% - population growth rate of Sorong area is 2.5% between 1978 and 2000 - The 41% total investment cost is offered under the national development fund of Indonesia The following impacts are considered as development impacts. In Maluku and Irianjaya province in Indonesia, transportation of commodities for daily life is greatly dependent on the sea transportation. At present, there is only Ambon port in these two provinces as the center for the domestic port, and the area covered by this port is too wide. Therefore, one more port is added as a center for the domestic port by realizing this project which will the future increase in cargo volume of domestic and foreign trade, and smooth distribution of commodities.			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINCAL TRANSFER			
12. EXPENDITURE	Total 121,228 (¥'000) Contracted 122,811	(1) Counterpart training : Training for the methods of F/S was carried out for 3 trainees, (2) Report Writing : Draft, final report, etc were made together with OCID members in Japan.			
		2. MAJOR REASONS FOR PRESENT STATUS		(1) Local reasons : Economical conditions in Indoonesia grows worse.	
		3. PRINCIPAL SOURCES OF INFORMATION		(1) (2)	

和名 ソロン港整備計画

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

## PROJECT SUMMARY (F/S)

Compiled March 1986  
Revised March 1991

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 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	Jakarta Harbour Road Project	2. PROJECT COSTS	(US\$1=210Yen)		
3. SECTOR	Transportation/ Road		Total Cost	Local Cost	(Description)  F/S reviewed in 12/1985, and D/D completed 1987, with OECF E/S loan(¥1,210 million). Part of the construction is to be financed by an OECF loan(1990/91),but it is being planned to implement the bulk of the work by BOT.
4. REFERENCE NO.			1) 730,000	480,000	
5. TYPE OF STUDY	F/S		2)		
6. COUNTERPART AGENCY	Directorate of Planning, Directorate General of Highway, Ministry of Public Works	3. CONTENTS OF MAJOR PROJECT(S)	3)		
7. OBJECTIVES OF STUDY	Road planning	Items : Description			
8. DATE OF S/W	Feb.1980	Total length	20.7km		
9. CONSULTANT(S)	Pacific Consultants International	Bridges	15 (4.0km)		
10. STUDY TEAM	No. of Members 12 Period Aug.1980 - Nov.1981 (16 months)	Viaducts	3.3km		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Topographic Survey Geological Survey	Interchange	7 places		
12. EXPENDITURE	Total 227,721 (¥'000) Contracted 215,003	Implementation Period:	1986 - 1993		
		4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR 1) 10.95%	FIRR 12.8%	
		Feasibility: 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. TECHINCAL 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: have been supporting both study and project of JIUT		
		3. PRINCIPAL SOURCES OF INFORMATION	(1)		

## PROJECT SUMMARY (F/S)

Compiled March 1986  
Revised March 1991

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 COSTS	(US\$1=220Yen) Total Cost 70,000 Local Cost 25,000 Foreign Cost (US\$1,000) 1) 2) 3)	(Description)  Feb.1985 OECF E/S loan agreement (¥780 million) July 1987 - May 1989 Engineering service implemented 1990 Loan request to OECF.	
3. SECTOR	Transportation/ Air Transportation & Airport	3. CONTENTS OF MAJOR PROJECT(S)			
4. REFERENCE NO.		Runway 2,500m × 45m Approach 2,500m × 23m Terminal building 2 story Apron 8 berth Airport safety system 1 set Fuel storage			
5. TYPE OF STUDY	F/S	Implementation Period: Apr.1984 - Dec.1996			
6. COUNTERPART AGENCY	Directorate General of Air Communication (DGAC)	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR 45.4% FIRR	2. MAJOR REASONS FOR PRESENT STATUS	
7. OBJECTIVES OF STUDY	Demand forecast for air transportation Airport equipment plan	Feasibility: Yes			
8. DATE OF S/W	Feb.1981	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.		(1) Benefit: Large aircrafts will strengthen communications with the capital city and will induce regional development (2) Priority: Padang airport is the most important airport among 15 domestic airports, but its facilities are relatively poor.	
9. CONSULTANT(S)	Pacific Consultants International	5. TECHNICAL TRANSFER			
10. STUDY TEAM	No. of Members 10 Period Jun.1981 - Jan.1982 (8 months)  Total M/M 38.31 Japan 19.8 Field 18.51	(1) OJT: Discussions with counterparts and concerned people on different topics (2) Training in Japan: procedures to conduct studies and transportation in Japan		3. PRINCIPAL SOURCES OF INFORMATION	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Geology, Boring, Granulometry			(1) (2)	
12. EXPENDITURE	Total 97,114 (¥'000) Contracted 87,141				

# PROJECT SUMMARY (F/S)

ASE IDN 317/81

Compiled March 1986  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																			
1. COUNTRY	Indonesia	1. SITE OR AREA	Ujung Pandang City/Sulawesi	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"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled																		
2. NAME OF STUDY	Lower Jeneberang River Flood Control Project	2. PROJECT COSTS	US\$1=250Yen=2.3Rp Total Cost Local Cost Foreign Cost (US\$1,000) 1) 18,100 12,300 2) 3)	(Description)																			
3. SECTOR	Social Infrastructures/ River & Erosion Control	3. CONTENTS OF MAJOR PROJECT(S)																					
4. REFERENCE NO.		River improvement	9km	Completion of detailed design: 2/1984 OECF E/S loan agreement 5/1981 (¥198 million) OECF loan agreement 2/1985 (¥5,381 million) Construction scheduled to be completed in Sep.1992. Approved Project Cost: (US\$1,000.-) Total Project Cost: 48,140 (US\$1=235 Yen) Local Currency Portion 28,570 (US\$1=992 Rp.)																			
5. TYPE OF STUDY	F/S	Construction of new drainage channel	7.3km																				
6. COUNTERPART AGENCY	Ministry of Public Works, Directorate General of Water Resources Development	Improvement of existing drainage channel	4.9km & 2.3km	<table border="1"> <thead> <tr> <th></th> <th>Contents of Report</th> <th>Materialized Contents</th> </tr> </thead> <tbody> <tr> <td>Location</td> <td>Ujung Padang City, Sulawesi Province, Indonesia</td> <td>ditto</td> </tr> <tr> <td>Detail of River Improvement:</td> <td>9km</td> <td>9.6km</td> </tr> <tr> <td>Project New Drainage Channel:</td> <td>7.3km</td> <td>7.83km</td> </tr> <tr> <td>Improvement of Existing Drainage channel:</td> <td>4.9 &amp; 2.3km</td> <td>4.92 &amp; 2.3km</td> </tr> <tr> <td>Total Project Cost</td> <td>18,000 (US\$1,000)</td> <td>48,000 (US\$1,000)</td> </tr> </tbody> </table>			Contents of Report	Materialized Contents	Location	Ujung Padang City, Sulawesi Province, Indonesia	ditto	Detail of River Improvement:	9km	9.6km	Project New Drainage Channel:	7.3km	7.83km	Improvement of Existing Drainage channel:	4.9 & 2.3km	4.92 & 2.3km	Total Project Cost	18,000 (US\$1,000)	48,000 (US\$1,000)
	Contents of Report	Materialized Contents																					
Location	Ujung Padang City, Sulawesi Province, Indonesia	ditto																					
Detail of River Improvement:	9km	9.6km																					
Project New Drainage Channel:	7.3km	7.83km																					
Improvement of Existing Drainage channel:	4.9 & 2.3km	4.92 & 2.3km																					
Total Project Cost	18,000 (US\$1,000)	48,000 (US\$1,000)																					
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	Implementation Period:	Apr.1981 - Oct.1985																				
8. DATE OF S/W	Feb.1979	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR 12.3% FIRR	2. MAJOR REASONS FOR PRESENT STATUS																			
9. CONSULTANT(S)	CTI Engineering Co., Ltd.	Feasibility: Yes																					
10. STUDY TEAM	No. of Members 11 Period Jun.1979 - Feb.1980 (8 months) Jan.1981 - Mar.1982 (14 months) Total M/M 84.64 Japan 52.5 Field 32.14	Conditions and Development Impacts: After the completion of the urgent flood control, Jeneberang river water will not flow into the project area in the flood below a 10-year return period and the rainfall in the inundation area will be immediately drained the proposed channels. As a result, the inundation water stage in the city-side area lowers to 1.87m in M.S.L. in the flood of a 5-year return period, and this means that the city-side area will be released from the damage caused by the flood below a 5-year return period.		(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.																			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Survey	5. TECHINCAL TRANSFER				3. PRINCIPAL SOURCES OF INFORMATION																	
12. EXPENDITURE	Total 306,901 (¥'000) Contracted 139,603	Arranged for the two counterparts the study of D/D and S/V execution besides F/S.		(1) (4)																			

和名 ジュネベラン河下流域治水計画

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

## PROJECT SUMMARY (M/P)

Compiled	March 1990
Revised	March 1991

ASE IDN 111 /82

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	Java 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. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	(US\$1=260Yen=660Rp) Total Cost    Local Cost    Foreign Cost (US\$1,000)    1)    2,217    554    1,663 2)		
3. SECTOR	Transportation/ Railway	3. MAJOR PROJECT(S) PROPOSED	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)		(Description)  Following the study, the F/S proposed in the M/P was carried out from 1984 to 1986. At present, transport improvement in the JABOTABEK area is receiving higher priority. As the upgrading of local trunk lines is to be conducted one after another in conjunction with the progress of the above improvement in JABOTABEK, it is estimated that much time will be needed before the proposed electrification is put to implementation.
4. REFERENCE NO.					
5. TYPE OF STUDY	M/P				
6. COUNTERPART AGENCY	Directorate General of Land Transport and Inland Waterways				
7. OBJECTIVES OF STUDY	Drawing up of a M/P on electrification for trunk railway lines in Java				
8. DATE OF S/W	Apr. 1982	4. CONDITIONS AND DEVELOPMENT IMPACTS			
9. CONSULTANT(S)	Japan Railway Technical Service	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			
10. STUDY TEAM	No. of Members    15 Period            May 1982 - Mar. 1983 (10 months)  Total M/M        68.63 Japan        42.33 Field        26.30			2. MAJOR REASONS FOR PRESENT STATUS	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY				Delay of related work: Transport improvement work is behind schedule in JABOTABEK, in electrification work requiring more time to be completed. As a result, electrification work needs more time to be completed.	
12. EXPENDITURE	Total            177,075 (¥000) Contracted      168,810	5. TECHNICAL TRANSFER		3. PRINCIPAL SOURCES OF INFORMATION	
				(1)	

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)

Compiled	March 1986
Revised	March 1991

ASE IDN 112 /82

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	Surabaya and its 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. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	(US\$1=680Rp) Total Cost    Local Cost    Foreign Cost 1) 19,800,000 2)	(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	3. MAJOR PROJECT(S) PROPOSED			
4. REFERENCE NO.		A master plan of Surabaya city was formulated for the target year 2000. Short term implementation program includes the following projects.			
5. TYPE OF STUDY	M/P	Middle Ring Road 41.5 km New Transit System Tandes Industrial Complex (1,200 ha) Park Town Housing Complex (1,200 ha)			
6. COUNTERPART AGENCY	Directorate General Cipta Karya				
7. OBJECTIVES OF STUDY	Urban planning				
8. DATE OF S/W	Aug.1981	4. CONDITIONS AND DEVELOPMENT IMPACTS			
9. CONSULTANT(S)	Pacific Consultants International Mitsubishi Reserch Institute, Inc				
10. STUDY TEAM	No. of Members 14 Period Nov.1981 - Mar.1983 (17 months)  Total M/M 100.57 Japan 29.48 Field 71.09			2. MAJOR REASONS FOR PRESENT STATUS	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY				Urban development plan of Surabaya has not been considered as the top priority project.	
12. EXPENDITURE	Total 271,768 (¥000) Contracted 257,867	5. TECHINCAL TRANSFER	Overseas training of counterparts staff including Manager of urban planning division, Mr Budisanto, and Project officer.	3. PRINCIPAL SOURCES OF INFORMATION	
				(1)	

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 + F/S)

ASE IDN 205A /82

Compiled March 1986  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	The 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. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	US\$1=230yen=660Rp Total Cost    Local Cost    Foreign Cost 1)            415,297            110,080            304,217 (US\$1,000)    2)		
3. SECTOR	Communications & Broadcasting/ Telecommunication	3. MAJOR PROJECT(S) PROPOSED	The digital terrestrial radio transmission network, and submarine cable network by optical communication system are to be introduced in the eastern region.		(Description) Following by F/S.
4. REFERENCE NO.					
5. TYPE OF STUDY	M/P+ (F/S)				
6. COUNTERPART AGENCY	POSTEL/PERUMTEL				
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.				
8. DATE OF S/W	Dec. 1981	4. CONDITIONS AND DEVELOPMENT IMPACTS	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.		2. MAJOR REASONS FOR PRESENT STATUS (1) High priority (2) Effectiveness
9. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.				
10. STUDY TEAM	No. of Members    14 Period            Jan. 1982 - Nov. 1982 (10 months)  Total M/M            55.83 Japan            32.33 Field            23.50	5. TECHINICAL TRANSFER	(1) Trainee acceptance: 3 counterparts invited to Japan, and Training for preparation of M/P. (2) On the job training (PERUMTE counterparts)		3. PRINCIPAL SOURCES OF INFORMATION (1)
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY					
12. EXPENDITURE	Total            139,628 (¥000) Contracted       110,627				

和名 東部地域電気通信網整備計画 (M/P) スラウェシ電気通信網整備計画 (F/S)

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

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

Compiled	March 1986
Revised	March 1991

ASE IDN 205B /82

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Sulawesi		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	Telecommunications Network Development in the Eastern Part	2. PROJECT COSTS	(US\$1=270Yen) Total Cost 128,355    Local Cost 57,577    Foreign Cost 70,778 (US\$1,000) 1)                      2)                      3)		
3. SECTOR	Communications & Broadcasting/ Telecommunication	3. CONTENTS OF MAJOR PROJECT(S)	Construction period for Microwave Network is divided into three stages. 2,371 L.U		(Description)  F/S (Completed F/S+M/P study for the Telecommunications Network Development in the Eastern Part, 1982) Japanese Loan L/A concluded on June 1984 (E/S; ¥440 million) June 1984 OECF E/S loan agreement (¥442 million) July 1988 E/S completed
4. REFERENCE NO.		Implementation Period: Apr. 1984 - Mar. 1999			
5. TYPE OF STUDY	(M/P)+F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR 12.29%    FIRR 14.62% Feasibility: Yes		
6. COUNTERPART AGENCY	POSTEL/PERUMTEL	Conditions and Development Impacts: - Existing long distance telecommunication services in Sulawesi area are via satellite communication system except in part of Sulawesi Selatan where such services are via terrestrial transmission system. - Objective of telecommunication sector in the 4th Five-Year Development Plan (REPELITA IV, 4/1984-3/1989) is to improve telephone service both qualitatively and quantitatively to meet increasing demand. To attain this objective, the project, construct terrestrial transmission network in Sulawesi area and, through interdependence with existing satellite communication network, to realize subscriber Long Distance Dialling (hereinafter to be called SLDD) service in the area.			
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.	5. TECHNICAL TRANSFER		2. MAJOR REASONS FOR PRESENT STATUS	
8. DATE OF S/W	Dec. 1981	(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.	
9. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.			3. PRINCIPAL SOURCES OF INFORMATION	
10. STUDY TEAM	No. of Members 14 Period Jan. 1982 - Nov. 1982 (10 months)  Total M/M 55.83 Japan 32.33 Field 23.50			(1)	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY					
12. EXPENDITURE	Total 139,628 (¥'000) Contracted 110,627				

和名 東部地域電気通信網整備計画 (M/P) スラウェシ電気通信網整備計画 (F/S)

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

## PROJECT SUMMARY (F/S)

Compiled March 1986  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Bali Island		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	Bali International Airport Development	2. PROJECT COSTS	(US\$1=220.1Yen) Total Cost      Local Cost      Foreign Cost (US\$1,000)      1) 159,000      54,000 2) 3)		
3. SECTOR	Transportation/ Air Transportation & Airport	3. CONTENTS OF MAJOR PROJECT(S)	Items      Description Taxiway      3,000m Apron      16 berths Terminal Building      42,600sq.m Cargo Terminal Building      4,400sq.m Control Tower      2,500sq.m		(Description) Oct.1983 OECF E/S loan agreement (¥565 million) Sep.1986 OECF loan agreement (¥18,900 million) Jul.1988 Construction tender Apr.1989 Construction contract signed Oct.1989 Construction started
4. REFERENCE NO.		Implementation Period:	1984 - 2001		
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR      FIRR 20.8%      7.95% Feasibility: Yes		
6. COUNTERPART AGENCY	Directorate General of Air Communication	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.			
7. OBJECTIVES OF STUDY	Airport planning	10. STUDY TEAM			2. MAJOR REASONS FOR PRESENT STATUS (1) Effectiveness: Great contribution is expected to the development of islands east of Bali. (2) Priority: Capacity of the Bali Airport, one of a few international airports in Indonesia, is getting too small. Therefore, this is a very urgent project.
8. DATE OF S/W	Dec.1981	No. of Members      10 Period      Dec.1981 - Jul.1982 (8 months)  Total M/M Japan      9.12 Field      8.87			
9. CONSULTANT(S)	Pacific Consultants International	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY			3. PRINCIPAL SOURCES OF INFORMATION (1) (2)
12. EXPENDITURE	Total 57,690 (¥'000) Contracted 52,384	5. TECHINCAL TRANSFER	(1) Held several seminars for counterpart staff on the content of reports (2) Overseas training for JICA trainees		

### PROJECT SUMMARY (M/P)

Compiled	March 1986
Revised	March 1991

ASE IDN 113 /83

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA		1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	North Banten Water Resources Development	North Banten Area. West Java Province		(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	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	(US\$1=232.2yen)		
4. REFERENCE NO.		Total Cost	Local Cost Foreign Cost		
5. TYPE OF STUDY	M/P	(US\$1,000) 1) 232,558	2)		
6. COUNTERPART AGENCY	Directorate of Planning and Programing, Directorate General of Water Resources Development	3. MAJOR PROJECT(S) PROPOSED			
7. OBJECTIVES OF STUDY	To increase income of North Banten Area, especially of K-C-C Area	-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			
8. DATE OF S/W	Feb.1982	4. CONDITIONS AND DEVELOPMENT IMPACTS		2. MAJOR REASONS FOR PRESENT STATUS	
9. CONSULTANT(S)	Nippon Koei Co.,Ltd. Mitsui Kyodo Consultants Co.,Ltd.	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		3. PRINCIPAL SOURCES OF INFORMATION	(1)
10. STUDY TEAM	No. of Members 13 Period Jul.1982 - Jun.1983 (12 months)  Total M/M 110.35 Japan 51.37 Field 58.98	5. TECHINICAL TRANSFER			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		On-the-job training for counterparts			
12. EXPENDITURE	Total 324,576 (¥'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 114 /83

Compiled	March 1986
Revised	March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	Jakarta, Medan and Surabaya		1. PRESENT STATUS <div><input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued</div>
2. NAME OF STUDY	Long Term Development Programs of the International Telecommunications	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	(US\$1=625Rp) Total Cost    Local Cost    Foreign Cost 1)            194,000        194,000 2)		
3. SECTOR	Communications & Broadcasting/ General	3. MAJOR PROJECT(S) PROPOSED	(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 to Aug. 1989 and another expert took over from Feb. 1990. 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 1990 Apr. Introduction of IBS (Intelsat Business Service) for satellite transmission 1990 Dec. Introduction of IDR (Intermediate Data Rate) for satellite transmission  3) New services: 1989 Mar. Commencement of IODC (International Operator Direct Call) services 1989 Nov. Commencement of ITFC (International Toll Free Call) services 1989 Fall Commencement of services of the electronic mail box and the reservation system 1989    The study was conducted on the construction and the user promotion of a basket exchange network (SKDP)		
4. REFERENCE NO.		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			
5. TYPE OF STUDY	M/P				
6. COUNTERPART AGENCY	Directorate General of Post and Telecommunication				
7. OBJECTIVES OF STUDY					
8. DATE OF S/W	Feb.1982	4. CONDITIONS AND DEVELOPMENT IMPACTS	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.		
9. CONSULTANT(S)	KDD	5. TECHINICAL TRANSFER On-the-job training	2. MAJOR REASONS FOR PRESENT STATUS		
10. STUDY TEAM	No. of Members    13 Period            Jun.1982 - Jun.1983 (12 months)  Total M/M            38.61 Japan            22.21 Field             16.4				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY					
12. EXPENDITURE	Total            89,585 (¥'000) Contracted       79,462	3. PRINCIPAL SOURCES OF INFORMATION (1)			

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

ASE IDN 206A /83

Compiled March 1986  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	Sumatra, Riau Province		1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Development Project of Dumai Port	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	US\$1=250Yen=680Rp Total Cost Local Cost Foreign Cost 1) 125,000 72,000 2)		
3. SECTOR	Transportation/ Port	3. MAJOR PROJECT(S) PROPOSED	For the development of Dumai port, long-term plan aiming the year 2000 and short-term plan aiming the year 1990 are formulated. Major projects in the long-term development plan are : -Palm oil wharf(dolphin type):2berths -12m & -10m max, 35,000DWT -Wharf for foreign trade:6berths, -10m, 15,000DWT -Wharf of passenger boats: 1berth, -8.5m, 8,000GT -Warehouse and storage -Area for the storage and loading Major projects in the short-term development plan are : -Jetty berth : 500m -Dolphin berth : 1 berth (-12m) -New wharf : 3 berths (-10m) -Warehouse : 2 -Development of open storage yard		(Description) Methods of F/S, analysis of present conditions of the port, methods of demand forecast, points of port planning, methods of economic and financial analysis, etc. are stated clearly and simply in this report. Therefore, this report is used as guidelines when the Directorate General of Sea Communication conducts an investigation by themselves. Name of F/S performed : Feasibility study on Dumai port development project
4. REFERENCE NO.					
5. TYPE OF STUDY	M/P+(F/S)				
6. COUNTERPART AGENCY	Directorate General of Sea Communication				
7. OBJECTIVES OF STUDY	M/P aiming the year 2000 Short-term development plan aiming the year 1985				
8. DATE OF S/W	Aug. 1982	4. CONDITIONS AND DEVELOPMENT IMPACTS	As a collector port under the Belawan port, this port will become the core port in the regional development of Riau province, hinterland of the port, and also play a role as the transit port for feeder ports constructed under collector ports.		2. MAJOR REASONS FOR PRESENT STATUS
9. CONSULTANT(S)	The Overseas Coastal Area Development Institute of Japan (OCDI)				
10. STUDY TEAM	No. of Members 9 Period Oct. 1982 - Oct. 1983 (12 months)  Total M/M 49.93 Japan 30.0 Field 19.93				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINICAL TRANSFER	Counterpart training Training on methods for the investigation of natural condition and methods of F/S. Site visit to Japanese port was also carried out for 3 trainees.		3. PRINCIPAL SOURCES OF INFORMATION (1) (2)
12. EXPENDITURE	Total 129,134 (¥000) Contracted 120,609				

和名 ドマイ港整備計画

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

[illegible]

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

Compiled	March 1986
Revised	March 1991

ASE IDN 207A /83

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA		1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Padang Area Flood Control Project	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	(US\$1=970Rp) Total Cost    Local Cost    Foreign Cost 1) 77,000         30,000         47,600 2)	(Description)  Following the execution of the study, the plan of flood control and drainage was incorporated into the national projects and listed in the Blue Book, and then adopted officially as a project to be implemented.	
3. SECTOR	Social Infrastructures/ River & Erosion Control	3. MAJOR PROJECT(S) PROPOSED			
4. REFERENCE NO.		The objective of the project is to protect Padang city from flood damages by three rivers flowing in the city. Main works of the overall project are: River channel improvement :Total length 55km, Construction of Laras Retarding Basin: 1.5sq.km, Reconstruction of Lubuk Begalung Diversion weir, Construction of the drain-end sluiceway, Pump Station:6 Reconstruction for bridges: 5,Improvement of main drains:43km,			
5. TYPE OF STUDY	M/P+(F/S)				
6. COUNTERPART AGENCY	Directorate General of Water Resources Development,Ministry of Public Works, Indonesia				
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.				
8. DATE OF S/W	Nov.1982	4. CONDITIONS AND DEVELOPMENT IMPACTS			
9. CONSULTANT(S)	NIKKEN Consultants,Inc.	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.			
10. STUDY TEAM	No. of Members 11 Period Jan.1983 - Dec.1983 (10 months)  Total M/M 63.92 Japan 13.68 Field 50.24	5. TECHINCAL TRANSFER	2. MAJOR REASONS FOR PRESENT STATUS		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Plane survey of the project area and Flood Damage Topographic Classification Map	(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 central government and the related local government.	3. PRINCIPAL SOURCES OF INFORMATION		
12. EXPENDITURE	Total 186,946 (¥000) Contracted 177,377		(1)		

和名 パダン治水計画

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



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

Compiled March 1986  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Padang, West Sumatra Province		1. PRESENT STATUS  <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input checked="" type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Padang Area Flood Control Project	2. PROJECT COSTS	(US\$1=240Yen=970Rp)		
3. SECTOR	Social Infrastructures/ River & Erosion Control		Total Cost	Local Cost	Foreign Cost
4. REFERENCE NO.			1) 46,654	15,654	3,000
5. TYPE OF STUDY	(M/P)+F/S		2)		
6. COUNTERPART AGENCY	Directorate General of Water Resources Development	3. CONTENTS OF MAJOR PROJECT(S)	3)		
7. OBJECTIVES OF STUDY	To formulate a flood control and drainage plan to protect Padang City and its surrounding areas	Urgent flood control: - river channel improvement 36 km - Laras retarding basin - Diversion weir reconstruction - Drain-end sluiceway - Bridge reconstruction 5 - Drain improvement 3 km - Pump stations 3 - Stabilization of living (2.64 ha and 21,330 households are protected from flood) - Expansion of residential area (840 ha) - Increase of employment		(Description)  Feb.1985 OECF E/S loan agreement (580 million yen) Oct.1986 - Mar.1989 Detailed design completed. Dec.1990 OECF loan agreement (8,063 million yen)	
8. DATE OF S/W	Nov.1982	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR	2. MAJOR REASONS FOR PRESENT STATUS
9. CONSULTANT(S)	NIKKEN Consultants, Inc.	Feasibility: Yes	14.7%		
10. STUDY TEAM	No. of Members 11 Period Jan.1983 - Dec.1983 (10 months)  Total M/M 63.92 Japan 13.68 Field 50.24	Conditions and Development Impacts:			3. PRINCIPAL SOURCES OF INFORMATION  (1)
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINICAL TRANSFER			
12. EXPENDITURE	Total 186,946 (Y'000) Contracted 177,377				

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

ASE IDN 208A/83

Compiled March 1988  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	the entire country		1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Five-Year Plan for the Integrated Development of Radio and Television Broadcasting	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	US\$1=934.4Rp Total Cost    Local Cost    Foreign Cost 1) 1,188,900 2)		
3. SECTOR	Communications & Broadcasting/ General	3. MAJOR PROJECT(S) PROPOSED	1) TV Republic Indonesia (National TV Station) 2) Radio Republic Indonesia (National Radio Station)		(Description) Followed by F/S.
4. REFERENCE NO.					
5. TYPE OF STUDY	M/P+(F/S)				
6. COUNTERPART AGENCY	General Bureau of Radio, Television and Film (RTF)				
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	Apr. 1983	4. CONDITIONS AND DEVELOPMENT IMPACTS	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 4) Diffusion of radio and TV sets (46 million radios and 1.89 million TV sets in the year 2000)		2. MAJOR REASONS FOR PRESENT STATUS
9. CONSULTANT(S)	Integrated Technology Inc.				
10. STUDY TEAM	No. of Members 20 Period Jul. 1983 - Mar. 1984 (8 months)  Total M/M 68.83 Japan 49.43 Field 19.40	5. TECHINCAL TRANSFER	1) On-the-job training 2) Participation of the counterparts in the JICA training program		3. PRINCIPAL SOURCES OF INFORMATION  (1)
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Cross-section topographic mapping				
12. EXPENDITURE	Total 239,222 (¥000) Contracted 174,933				

和名 ラジオ・テレビ放送総合開発5年計画

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

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

ASE IDN 208B/83

Compiled March 1988  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT													
1. COUNTRY	Indonesia	1. SITE OR AREA	the entire country		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	Five-Year Plan for the Integrated Development of Radio and Television Broadcasting	2. PROJECT COSTS	(US\$1=233.6Yen=934.4Rp) Total Cost Local Cost Foreign Cost (US\$1,000) 1) 260,300 20,600 2) 3)														
3. SECTOR	Communications & Broadcasting/ General	3. CONTENTS OF MAJOR PROJECT(S)	(Description)  Dec. 1985 OECF loan agreement (1st 65,070 million yen) Dec. 1987 OECF loan agreement (2nd 86,030 million yen)  Total project costs: Phase I US\$27.7 million (US\$1=238.54 yen) local cost US\$4.2 million (US\$1=1,126Rp) Phase II US\$36.1 million (US\$1=238.54 yen)														
4. REFERENCE NO.																	
5. TYPE OF STUDY	(M/P)+F/S																
6. COUNTERPART AGENCY																	
7. OBJECTIVES OF STUDY		Implementation Period:															
8. DATE OF S/W	Apr. 1983	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR													
9. CONSULTANT(S)		Feasibility: Yes	32.6%														
10. STUDY TEAM	No. of Members 20 Period Jul.1983 - Mar.1984 (8 months)  Total M/M 68.83 Japan 49.43 Field 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 border="1"> <thead> <tr> <th></th> <th>1983</th> <th>1989</th> <th>2000</th> </tr> </thead> <tbody> <tr> <td>Radios</td> <td>250</td> <td>328</td> <td>462 (million sets)</td> </tr> <tr> <td>TV</td> <td>50</td> <td>84</td> <td>189 (million sets)</td> </tr> </tbody> </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)			
	1983	1989	2000														
Radios	250	328	462 (million sets)														
TV	50	84	189 (million sets)														
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINICAL TRANSFER															
12. EXPENDITURE	Total 239,222 (Y'000) Contracted 174,933	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) Continuity (precedence of OECF finance) 2) High priority													
				3. PRINCIPAL SOURCES OF INFORMATION (1)													

和名 ラジオ・テレビ放送総合開発5年計画

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

Compiled	March 1990
Revised	March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Jakarta	1. PRSENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="radio"/> Completed <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Promoting <input checked="" type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Urban Renewal Housing Project in Jakarta	2. PROJECT COSTS	(US\$1=1,000Rp)		
			Total Cost    Local Cost    Foreign Cost		
		1) (US\$1,000)	87,300		
		2)	45,000		
		3)			
3. SECTOR	Social Infrastructures/ Urban Planning & Land Development.	3. CONTENTS OF MAJOR PROJECT(S)		(Description)	
4. REFERENCE NO.		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 (Manggarai and Kebon Melati) covers 45ha, Population is 78,000.		This project was requested to the government of Japan as an engineering project for 1983/1984, and 1984/1985, but it has not been implemented yet. Redevelopment is an important measure to solve the urban problems of Jakarta City. But because of the problem of relocating local population, the project is now suspended.	
5. TYPE OF STUDY	F/S	Since Manggarai area includes Manggarai station, the project aims at renewing urban functions including railway plan as well as relocation of factories and housing redevelopment.			
6. COUNTERPART AGENCY	Directorate General of Housing, Building, Planning & Urban Development,				
7. OBJECTIVES OF STUDY	Urban development plan.				
8. DATE OF S/W	Feb. 1982	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR      FIRR		
9. CONSULTANT(S)	Pacific Consultants International	Feasibility:			
		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.			
10. STUDY TEAM	No. of Members 16 Period Jul. 1982 - Dec. 1983 (18 months)  Total M/M 73.30 Japan 8.24 Field 65.06			2. MAJOR REASONS FOR PRESENT STATUS	
				Social/environmental problem including relocation of the inhabitants	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Topographic Survey				
12. EXPENDITURE	Total 204,981 (¥'000) Contracted 189,767	5. TECHINCAL TRANSFER		3. PRINCIPAL SOURCES OF INFORMATION	
		Overseas training for counterpart staff.		(1)	

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

# PROJECT SUMMARY (F/S)

ASE IDN 322/83

Compiled March 1986  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Nusa Tenggara Area	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	Nusa Tenggara Area Terrestrial Transmission Network Project	2. PROJECT COSTS	(US\$1=235Yen) Total Cost Local Cost Foreign Cost (US\$1,000) 1) 26,154 3,345 22,809 2) 3)		
3. SECTOR	Communications & Broadcasting/ Telecommunication	3. CONTENTS OF MAJOR PROJECT(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	(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 has postponed its request for OECF financing.	
4. REFERENCE NO.		Implementation Period:	1986 - 1995		
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR FIRR 17.7% Feasibility: Yes		
6. COUNTERPART AGENCY	Ditjen Postel	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			
7. OBJECTIVES OF STUDY	To formulate the Nusa Tenggara Area Terrestrial Transmission Network Construction plan and evaluate its feasibility			2. MAJOR REASONS FOR PRESENT STATUS	
8. DATE OF S/W	Apr. 1983			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.	
9. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.			3. PRINCIPAL SOURCES OF INFORMATION	
10. STUDY TEAM	No. of Members 13 Period Aug. 1983 - Feb. 1984 (6 months)  Total M/M Japan 21.9 Field 14.99			(1)	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINCAL TRANSFER			
12. EXPENDITURE	Total 91,955 (¥000) Contracted 83,601	On-job-training was conducted for the counterpart staff of RERUMTEL.			

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 115/84

Compiled March 1988  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS													
1. COUNTRY	Indonesia	1. SITE OR AREA	the entire country														
2. NAME OF STUDY	Master Plan on the Development of Aids to Navigation System	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	<div>(US\$1=230Yen)</div> <table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1) (US\$1,000)</td> <td>464,741</td> <td>106,283</td> <td>358,458</td> </tr> <tr> <td>2)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	1) (US\$1,000)	464,741	106,283	358,458	2)			
	Total Cost	Local Cost	Foreign Cost														
1) (US\$1,000)	464,741	106,283	358,458														
2)																	
3. SECTOR	Transportation/ Marine Transportation & Ships	3. MAJOR PROJECT(S) PROPOSED	<div>(Description)</div> <p>1) Part 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)</p>														
4. REFERENCE NO.																	
5. TYPE OF STUDY	M/P																
6. COUNTERPART AGENCY	Directorate General of Sea Communications																
7. OBJECTIVES OF STUDY	Formulation of a long-term development plan through 2000 and identification of short-term projects through 1989																
8. DATE OF S/W	Jul. 1983	4. CONDITIONS AND DEVELOPMENT IMPACTS	<div>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.</div>														
9. CONSULTANT(S)	Japan Association for Aids to Navigation																
10. STUDY TEAM	<div>No. of Members 14</div> <div>Period Feb. 1984 - Mar. 1985 (14 months)</div> <div>Total M/M 77.44</div> <div>Japan 62.5</div> <div>Field 14.94</div>																
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINICAL TRANSFER	<div>Participation of the counterparts in the JICA training program</div>														
12. EXPENDITURE	<div>Total 233,087 (Y'000)</div> <div>Contracted 177,574</div>		<div>2. MAJOR REASONS FOR PRESENT STATUS</div> <p>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.</p>														
			<div>3. PRINCIPAL SOURCES OF INFORMATION</div> <p>(1) (2)</p>														

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

Compiled March 1988  
Revised March 1991

ASE IDN 209A/84

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	Jakarta 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. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	(US\$1=224Yen=1,004Rp) Total Cost Local Cost Foreign Cost 1) 1,851,000 995,000 856,000 2)		
3. SECTOR	Public Utilities/ Water Supply	3. MAJOR PROJECT(S) PROPOSED	(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.		
4. REFERENCE NO.		1. Emergency Plan			
5. TYPE OF STUDY	M/P+(F/S)	1-1 Rehabilitation & improvement construction project			
6. COUNTERPART AGENCY	Directorate of General of Human Settlement (Cipta Karya), Ministry of Public Works	1) Replacement/installation of water meters (1985-1990)			
7. OBJECTIVES OF STUDY	Water supply implementation plan for the target year of 2005	2) Rehabilitation of distribution pipelines to reduce the unaccounted-for-water (1985-1990)			
8. DATE OF S/W	Feb. 1983	3) Leakage protection survey plan (1986-1990)	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		
9. CONSULTANT(S)	Nihon Suido Consultants Co., Ltd.	1-2 Short term improvement plan/project			
10. STUDY TEAM	No. of Members Period Jun. 1983 - Mar. 1984 (9 months) Jun. 1984 - Mar. 1985 (9 months) Total M/M 59.0 Japan 34.0 Field 25.0	1) Chlorine dosing facility improvement (1986-1989)			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		2) Installation of distribution branch pipes (1985-1989)			
12. EXPENDITURE	Total 314,862 (¥000) Contracted 159,465	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)	3. PRINCIPAL SOURCES OF INFORMATION (1)		
		2. Undertaking of expansion plan			
		2-1 West Tarum canal system (3,000 l/s)	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		
		2-2 Cisadane river system (3,000 l/s)			
		3. Project financed by the World Bank	3. PRINCIPAL SOURCES OF INFORMATION (1)		
		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	3. PRINCIPAL SOURCES OF INFORMATION (1)		
		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.	3. PRINCIPAL SOURCES OF INFORMATION (1)		
		5. TECHINICAL TRANSFER			
		Carried out training program for one counterpart staff for one month (2/1984)	3. PRINCIPAL SOURCES OF INFORMATION (1)		

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 209B/84

Compiled March 1988  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Jakarta City (emergency portion & Stage 2-Phase1)		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"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Jakarta Water Supply Development Project	2. PROJECT COSTS	(US\$1=224Yen=1,004Rp)		
3. SECTOR	Public Utilities/ Water Supply		Total Cost	Local Cost	Foreign Cost
4. REFERENCE NO.			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)			
8. DATE OF S/W	Feb.1983	Facility Name	Capacity		
9. CONSULTANT(S)	Nihon Suido Consultants Co., Ltd.	Intake	Eastside West Tarum Canal 3.2cu.m/s		
10. STUDY TEAM			Westside Cisadane river 3.2cu.m/s		
		Raw water pipe	Westside D:1,500,16.5km		
		Treatment plant	Eastside Buaran plant 3.0cu.m/s		
			Westside Lebadbulus plant 3.0cu.m/s		
		Transmission main	Eastside No. of pumps 6		
			pipe D:1,500-D:1,650 X 16.3km		
			Westside Gravity flow D:1,200 X 9.1km		
		Distribution	Eastside Reservoir X 2, pump X 6, main pipe D:300-D:1,800 X 115.1km		
			Westside Reservoir X 2, pump X 5, main pipe D:300-D:1,800 X 84.9km		
		Implementation Period:	Jul.1987 - Dec.1993		
		4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR	
				5.8%	
		Feasibility: Yes			
		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 increase 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 ground water/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 drops of the ground water level			
		(6) Increased the job opportunity			
		(7) Practical use of local consultants			
		5. TECHINCAL TRANSFER			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY					
12. EXPENDITURE					
	Total	314,862 (Y'000)			
	Contracted	159,465			
		2. MAJOR REASONS FOR PRESENT STATUS			
		(1) Continuity: The daley 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.			
		3. PRINCIPAL SOURCES OF INFORMATION			
		(1)			

和名 ジャカルタ市水道整備計画

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



# PROJECT SUMMARY (F/S)

Compiled March 1990  
Revised Marcg 1991

ASE IDN 323/84

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		
2. NAME OF STUDY	New Railway Line for Cengkareng Airport	2. PROJECT COSTS	<div> <div>Total Cost</div> <div>Local Cost</div> <div>Foreign Cost</div> </div>		
3. SECTOR	Transportation/ Railway	3. CONTENTS OF MAJOR PROJECT(S)	<div> <div>Route A plan (19.8km)</div> <div>Construction cost --- 35,503 million yen.</div> <div>Rolling stock cost -- 12,242 million yen</div> </div>		
4. REFERENCE NO.		4. FEASIBILITY AND ITS ASSUMPTIONS	<div> <div>EIRR</div> <div>FIRR</div> </div>		
5. TYPE OF STUDY	F/S	5. TECHINCAL TRANSFER	<div> <div>Site investigations were conducted with the cooperation of counterparts.</div> </div>		
6. COUNTERPART AGENCY	Directorate General of Land Transport and Inland Waterways	5. TECHINCAL TRANSFER	<div> <div>Site investigations were conducted with the cooperation of counterparts.</div> </div>		
7. OBJECTIVES OF STUDY	Construction project for a new railway line between Cengkareng Airport and the center of Jakarta.	5. TECHINCAL TRANSFER	<div> <div>Site investigations were conducted with the cooperation of counterparts.</div> </div>		
8. DATE OF S/W	Jul.1982	5. TECHINCAL TRANSFER	<div> <div>Site investigations were conducted with the cooperation of counterparts.</div> </div>		
9. CONSULTANT(S)	Japan Railway Technical Service	5. TECHINCAL TRANSFER	<div> <div>Site investigations were conducted with the cooperation of counterparts.</div> </div>		
10. STUDY TEAM	<div> <div>No. of Members 18</div> <div>Period Jul.1982 - Aug.1984 (24 months)</div> <div>Total M/M 80.38</div> <div>Japan 45.63</div> <div>Field 34.75</div> </div>	5. TECHINCAL TRANSFER	<div> <div>Site investigations were conducted with the cooperation of counterparts.</div> </div>		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINCAL TRANSFER	<div> <div>Site investigations were conducted with the cooperation of counterparts.</div> </div>		
12. EXPENDITURE	<div> <div>Total 802,886 (Y'000)</div> <div>Contracted 803,484</div> </div>	5. TECHINCAL TRANSFER	<div> <div>Site investigations were conducted with the cooperation of counterparts.</div> </div>		
		1. PRSENT STATUS		<div> <div>Completed or in Progress</div> <div>Completed</div> <div>Implementing</div> <div>Processing</div> <div>Promoting</div> <div>Delayed or Suspended</div> <div>Discontinued or Cancelled</div> </div>	
		(Description)		<div> <div>As part of the Jabotabek Project (railway modernization), this project is now comprehensively examined in relation to the future development of the Jakarta Kota area.</div> </div>	
		2. MAJOR REASONS FOR PRESENT STATUS		<div> <div>Adjustments are being made to have this project harmonize with the JABOTABEK project.</div> </div>	
		3. PRINCIPAL SOURCES OF INFORMATION		<div> <div>(1) (2)</div> </div>	

# PROJECT SUMMARY (F/S)

Compiled March 1986  
Revised March 1991

ASE IDN 324 /84

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 checked="" type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Grade Separated Crossing in Manggarai Station, Track Addition and Other Improvements on Merak Line and Track Addition and Other Improvements on Tangerang	2. PROJECT COSTS	Total Cost      Local Cost      Foreign Cost 1) (US\$1,000) 2) 3)		
3. SECTOR	Transportation/ Railway	3. CONTENTS OF MAJOR PROJECT(S)	Grade separation of Manggarai station.		(Description)  This project is part of the Jabotabek Project (railway modernization) financed by OECF. D/D was completed on the grade separation and the construction work is under way.
4. REFERENCE NO.		Implementation Period: 1987 - 1989			
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR      FIRR 24.0% Feasibility: Conditions and Development Impacts: (1) Preconditions In accordance with the master plan for JABOTABEK railway improvement, the level crossings of the Central line and the Eastern and Western lines are to be removed, based on a demand forecast for the years up to 2000, train planning, etc. (2) Development impacts An increase in the number of trains and promotion of railway improvement.		
6. COUNTERPART AGENCY	Directorate General of Land Transport and Inland Waterways	5. TECHINICAL TRANSFER			
7. OBJECTIVES OF STUDY	Grade separation of Manggarai station Track addition of the Merak line Track addition of the Tangerang line			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.	
8. DATE OF S/W	Jul. 1982			3. PRINCIPAL SOURCES OF INFORMATION	
9. CONSULTANT(S)	Japan Railway Technical Service			(1) (2)	
10. STUDY TEAM	No. of Members 17 Period Jul. 1983 - Jun. 1984 (11 months) Total M/M 58.75 Japan 32.28 Field 26.47				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY					
12. EXPENDITURE	Total 166,572 (¥000) Contracted 165,140	(1) OJT: Investigations were conducted together with counterparts. (2) Two trainees were received.			

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

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

# PROJECT SUMMARY (F/S)

ASE IDN 325/84

Compiled March 1988  
Revised March 1991

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 checked="" type="checkbox"/> Implementing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Volcanic Debris Control and Water Conservation Project in the Southeastern Slope of Mt. Semeru	2. PROJECT COSTS	(US\$1=240Yen)	(Description)	
3. SECTOR	Social Infrastructures/ River & Erosion Control				
4. REFERENCE NO.					
5. TYPE OF STUDY	F/S				
6. COUNTERPART AGENCY	Directorate General of Water Resources Development, Ministry of Public Works	3. CONTENTS OF MAJOR PROJECT(S)			
7. OBJECTIVES OF STUDY	F/S for the project to prevent the volcanic debris flow in the southeastern slope of Mt. Semeru.				
8. DATE OF S/W	Dec. 1981				
9. CONSULTANT(S)	Yachiyo Engineering Co., Ltd. Asia Air Survey Co., Ltd.				
10. STUDY TEAM	No. of Members 18 Period Mar. 1982 - Dec. 1984 (34 months) Total M/M 173.53 Japan 93.87 Field 79.66	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR 8.9%	2. MAJOR REASONS FOR PRESENT STATUS	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Preparation of Topographic Maps				
12. EXPENDITURE	Total 528,821 (¥'000) Contracted 512,040				
		5. TECHINCAL TRANSFER		3. PRINCIPAL SOURCES OF INFORMATION	
		Accepted six trainees		(1)	

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 (M/P)

ASE IDN 116/85

Compiled March 1988  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE 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. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	(US\$1=250Yen) Total Cost    Local Cost    Foreign Cost 1) 33,200 2)	(Description) Jan.1987 OECF E/S loan agreement (628 million yen) Mar.1988-Feb.1990 D/D completed. Note: This study is the Phase I of the lower Asahan River basin development. The Phase II (irrigation development) was already completed by JICA (Agriculture, Forestry and Fisheries Development Programme).	
3. SECTOR	Social Infrastructures/ Water Resource Development	3. MAJOR PROJECT(S) PROPOSED	1.Flood control of lower Asahan 2.Lake Toba operation both for flood control and power generation was proposed		
4. REFERENCE NO.					
5. TYPE OF STUDY	M/P				
6. COUNTERPART AGENCY	IPU				
7. OBJECTIVES OF STUDY	Flood Control				
8. DATE OF S/W	Jun.1984	4. CONDITIONS AND DEVELOPMENT IMPACTS	Flood control of lower reaches of the Asahan river	2. MAJOR REASONS FOR PRESENT STATUS	
9. CONSULTANT(S)	Nippon Koei Co.,Ltd. Nikken Consultants,Inc. Yachiyo Engineering Co.,Ltd.				
10. STUDY TEAM	No. of Members 15 Period Oct.1984 - Oct.1985 (12 months)  Total M/M 42.08 Japan 10.03 Field 32.05				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINCAL TRANSFER	The report was proposed by both Japanese consultants and Indonesian consultants	3. PRINCIPAL SOURCES OF INFORMATION	
12. EXPENDITURE	Total 287,881 (¥'000) Contracted 187,300				

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 117/85

Compiled March 1988  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	Whole country		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. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	<div>Total Cost    Local Cost    Foreign Cost</div> <div>(US\$1,000)    1)    5,200,000</div> <div>2)</div>		
3. SECTOR	Communications & Broadcasting/ Telecommunication	3. MAJOR PROJECT(S) PROPOSED	<p>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.</p>		(Description)  The current priority is on urban telecommunication development but the Government of Indonesia will eventually proceed to the rural telecommunication network development.
4. REFERENCE NO.					
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	<p>(1) The telephone demand in the year 2000 is estimated to be 1,364,000 L.U. in Kabupatens, 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 Kabupatens covering IKK and Kecamatans. (3) During Repelitas VI and VII, the network improvement and expansion will be carried out in the remaining 246 Kabupatens covering IKK and Kecamatans and also villages.</p>		2. MAJOR REASONS FOR PRESENT STATUS  At present the priority is given to the development of urban telecommunication networks.
9. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.				
10. STUDY TEAM	<p>No. of Members 17 Period Jun. 1984 - Aug. 1985 (14 months)</p> <p>Total M/M Japan 42.34 Field 30.3</p>	5. TECHINCAL TRANSFER	<p>(1) 2 counterparts were invited to Japan for the training in general telecommunication and radio systems. (2) On the job training (PERUMTEL counterparts)</p>		3. PRINCIPAL SOURCES OF INFORMATION  (1)
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY					
12. EXPENDITURE	<p>Total 191,396 (¥'000) Contracted 175,738</p>				

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

ASE IDN 210A/85

Compiled March 1988  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	Ujung Pandang	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. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	(US\$1=250.6Yen=1,115Rp) Total Cost    Local Cost    Foreign Cost 1)                      233,000        120,000 2)	(Description) The M/P recommended that the plan be divided into two phases. The feasibility Study was conducted on the first phase. In conjunction, financing of the rehabilitation work was requested to OECF.	
3. SECTOR	Public Utilities/ Water Supply	3. MAJOR PROJECT(S) PROPOSED			
4. REFERENCE NO.		First phase plan: two 500 l/s water treatment plants taking raw water from Jeneberang river, transmission/distribution pipes, and rehabilitation.			
5. TYPE OF STUDY	M/P+(F/S)	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.			
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	4. CONDITIONS AND DEVELOPMENT IMPACTS			
9. CONSULTANT(S)	Nihon Suido Consultants Co., Ltd.	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 the city, resulting in the economic development of the area.		2. MAJOR REASONS FOR PRESENT STATUS	
10. STUDY TEAM	No. of Members Period            Jul. 1984 - Oct. 1985 (15 months)  Total M/M        137.0 Japan            47.5 Field            89.5				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINICAL TRANSFER		3. PRINCIPAL SOURCES OF INFORMATION	
12. EXPENDITURE	Total            224,197 (Y'000) Contracted      388,627	Carried out training program in Japan for 2 counterparts in regard to water intake/treatment plant planning, leakage control.		(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)

Compiled March 1988  
Revised March 1991

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 checked="" type="checkbox"/> Implementing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Ujung Pandang Water Supply Development Project	2. PROJECT COSTS	(US\$1=250.6Yen=1,115Rp) Total Cost 72,000 Local Cost 35,000 Foreign Cost (US\$1,000) 1) 2) 3)	(Description)  Feb.1987 OECF E/S loan agreement (701 million yen) Jun.1987-May 1988 D/D of the first phase completed Jul.1987 OECF loan agreement on rehabilitation (1,364 million yen) 1989- Rehabilitation work is under way.	
3. SECTOR	Public Utilities/ Water Supply	3. CONTENTS OF MAJOR PROJECT(S)			
4. REFERENCE NO.		Contents	Size		
5. TYPE OF STUDY	(M/P)+F/S	Intake facility	1.1cu.m/s, pipe-d1,100X20.5km (intake, grit chamber, raw-trans-pipe)		
6. COUNTERPART AGENCY	Directorate General of Human Settlement (Cipta Karya), Ministry of Public Works	Treatment facility	1cu.m/s, (new water treatment plant, receiving well, sedimentation tank, filtration basin, water reservoir)		
7. OBJECTIVES OF STUDY	M/P with target year of 2005, and F/S for one phase of two phases	Distribution facility	No. of pump: 6 (distribution pump, Pipe D300-D1,000X51km main/branch pipes) D150-D250X82km D50-D100X255km		
8. DATE OF S/W	Mar. 1984	Rehabilitation	Total 338km, public tap 1,600 Transmission canal, treatment plant, distribution pipes		
9. CONSULTANT(S)	Nihon Suido Consultants Co., Ltd.	Implementation Period:	Oct. 1987 - Dec. 1992		
10. STUDY TEAM	No. of Members Period Jul. 1984 - Oct. 1985 (15 months)  Total M/M 137.0 Japan 47.5 Field 89.5	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR FIRR 1) 6% 2) 12.3%		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		Feasibility: Yes			
12. EXPENDITURE	Total 224,197 (Y'000) Contracted 388,627	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	
				To break the conditions of usual deficiency, and development of industry by providing plentiful of industrial water.	
				3. PRINCIPAL SOURCES OF INFORMATION	
				(1) (4)	

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

ASE IDN 211A/85

Compiled March 1988  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	Brantas River Basin in East Java Province		1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Widas Flood Control and Drainage Project	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	(US\$1=1,030Rp) Total Cost    Local Cost    Foreign Cost 1) 2,493,929 2)		
3. SECTOR	Social Infrastructures/ Water Resource Development	3. MAJOR PROJECT(S) PROPOSED	(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		(Description) Followed by F/S
4. REFERENCE NO.					
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	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.		2. MAJOR REASONS FOR PRESENT STATUS Shortage of development fund
8. DATE OF S/W	Feb. 1984				
9. CONSULTANT(S)	Nippon Koei Co., Ltd. Nikken Consultants, Inc.	5. TECHINICAL TRANSFER	(1) OJT: Seminars were held (2) Fellowship: JICA training for 3 persons for one month.		3. PRINCIPAL SOURCES OF INFORMATION (1)
10. STUDY TEAM	No. of Members 46 Period Jul. 1984 - Mar. 1986 (20 months) Total M/M 123.64 Japan 27.28 Field 96.36				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY					
12. EXPENDITURE	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)

Compiled March 1988  
Revised March 1991

ASE IDN 211B/85

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Nganjuk District, East Java Province		1. PRESENT STATUS  <input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="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	Widas Flood Control and Drainage Project	2. PROJECT COSTS	(US\$1=1,100Rp) Total Cost      Local Cost      Foreign Cost 1)                      122,700 2)                      256,900 3)		
3. SECTOR	Social Infrastructures/ Water Resource Development	3. CONTENTS OF MAJOR PROJECT(S)	(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) is under implementation by the ADB loan for Waru-Tori Irrigation Rehabilitation Project.		
4. REFERENCE NO.					
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	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR      FIRR  Feasibility: Yes  Conditions and Development Impacts: Irrigation development will increase crop production and improve farmers' living condition. Flood control by river channel improvement will decrease flood damage, stabilize the social condition and enhance the land use.		
9. CONSULTANT(S)	Nippon Koei Co., Ltd. Nikken Consultants, Inc.				
10. STUDY TEAM	No. of Members 46 Period Jul. 1984 - Mar. 1986 (20 months)  Total M/M 123.64 Japan 27.28 Field 96.36				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINCAL TRANSFER	(1) OJT and seminars		
12. EXPENDITURE	Total 337,764 (Y'000) Contracted 323,985				
		2. MAJOR REASONS FOR PRESENT STATUS		Shortage of fund	
		3. PRINCIPAL SOURCES OF INFORMATION		(1)	

和名 ウィダス川流域開発計画

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

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

# PROJECT SUMMARY (F/S)

ASE IDN 327/85

Compiled March 1988  
Revised March 1991

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 COSTS	(US\$1=1,088Rp) Total Cost Local Cost Foreign Cost (US\$1,000) 1) 6,600 1,900 4,700 2) 3)		
3. SECTOR	Transportation/ Railway	3. CONTENTS OF MAJOR PROJECT(S)	Shortcut line construction between the Eastern and Western lines --- about 400m Station construction --- about 650sq.m  Implementation Period: 1986 - 1989		(Description)  This project is part of the Jabotabek Project (railway modernization) financed by OECF. Project management service is provided by JARTS and the construction work is under way.
4. REFERENCE NO.		4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR FIRR 17.8%  Feasibility: Yes		
5. TYPE OF STUDY	F/S	Conditions and Development Impacts: (1) Preconditions Traffic was estimated for the years 1990, 1995 and 2005 with construction planned for 1988 & 1989. Start of service was fixed for 1990. (2) Development impacts Connection of the Eastern and Western Lines and realization of loop operation will lead to more efficient train operation. It will also promote development of eastern and western JABOTABEK and contribute towards balanced development of the area.			
6. COUNTERPART AGENCY	Directorate General of Land Transport and Inland Waterways	5. TECHINICAL TRANSFER			
7. OBJECTIVES OF STUDY	Railway improvement in the Kampung Bandan station area			2. MAJOR REASONS FOR PRESENT STATUS	
8. DATE OF S/W	Jul. 1982			(1) Significant of effects (2) Solid arrangements to promote the project: The Indonesian government established the PMG (an organization similar to the Japanese JRCPG), and JARTS are supporting the project.	
9. CONSULTANT(S)	Japan Railway Technical Service			3. PRINCIPAL SOURCES OF INFORMATION	
10. STUDY TEAM	No. of Members 11 Period Oct. 1984 - Jan. 1986 (15 months)  Total M/M 44.19 Japan 16.60 Field 27.59			(1) (2)	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY					
12. EXPENDITURE	Total 125,819 (¥000) Contracted 124,527				

和名 ジャカルタ大都市圏鉄道輸送計画 (カンボンバンダン駅地区改良計画)

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

## PROJECT SUMMARY (F/S)

Compiled March 1988  
Revised March 1991

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		
2. NAME OF STUDY	Electrification Project of Main Line in Java	2. PROJECT COSTS	(US\$1=259Yen)		
			Total Cost	Local Cost	Foreign Cost
		1) (US\$1,000)	189,500	44,500	145,000
		2)			
		3)			
3. SECTOR	Transportation/ Railway	3. CONTENTS OF MAJOR PROJECT(S)	Railway electrification Bekasi - Cirebon 195km Cikampek - Bandung 90km Electric locomotives, passenger cars, freight cars --- 58,107,478 (respectively) Substations --- 3 places Signalling Bekasi - Cirebon --- Signal automation Cikampek - Bandung --- Introduction of a token-less system		
4. REFERENCE NO.		Implementation Period:	Apr.1988 - Mar.1997		
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR	
6. COUNTERPART AGENCY	Directorate General of Land Transport and Inland Waterways		21.0%	18.5%	
7. OBJECTIVES OF STUDY	AC electrification project between Jakarta and Cirebon and Between Cikampek and Bandung	Feasibility: Yes			
8. DATE OF S/W	Jul.1984	Conditions and Development Impacts:			
9. CONSULTANT(S)	Japan Railway Technical Service	(1) Preconditions	Future traffic was estimated for the years 1992,1997,2000, and 2007, considering increase in speed from railway electrification. 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.		
10. STUDY TEAM	No. of Members 15 Period Dec.1984 - Feb.1986 (13 months)  Total M/M 53.88 Japan 31.61 Field 22.27	(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.		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINICAL TRANSFER	Two counterparts received training from JICA.		
12. EXPENDITURE	Total Contracted 165,264 (¥'000)				
		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		
		(Description)	The project was suspended after completion of the F/S. At present, transport improvement in the JABOTABEK area is receiving high priority. As the upgrading of local trunk lines is to be conducted with the progress of the above project in JABOTABEK, it is estimated that much time will be needed before the electrification concerned is realized.		
		2. MAJOR REASONS FOR PRESENT STATUS	Delay of related work: Transport improvement work is behind schedule in JABOTABEK, resulting in the delay of electrification work.		
		3. PRINCIPAL SOURCES OF INFORMATION	(1)		

# PROJECT SUMMARY (F/S)

ASE IDN 326/85

Compiled March 1988  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Banten area, West Java Province		1. PRESENT STATUS  <input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="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	Karian Multipurpose Dam Construction Project	2. PROJECT COSTS	(US\$1=1,050Rp)		
3. SECTOR	Social Infrastructures/ Water Resource Development		Total Cost	Local Cost	Foreign Cost
4. REFERENCE NO.			1) 282,000	170,000	112,000
5. TYPE OF STUDY	F/S		2)		
6. COUNTERPART AGENCY	Directorate Planning & Programming, Directorate General of Water Resources Development, Ministry of Public Works		3)		
7. OBJECTIVES OF STUDY	Optimum use of limited water resources	3. CONTENTS OF MAJOR PROJECT(S)	Karian dam, 60.5m high, rockfill 219 X 1000000 cu.m in off cap. Cilawan dam 36m high, rockfill 62 X 1000000 cu.m in off cap. Trans-basin tunnel, Karian-Cibeureum 1.5km long, 8cu.m/s in cap Trans-basin tunnel, Cilawan-Ciainta 1.9km long, 2.7cu.m/s in cap K-C-C irrigation facilities 10,300 ha River training 26km		
8. DATE OF S/W	Mar. 1984	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR	(Description)  The government requested the OECF financing but the project is now suspended.
9. CONSULTANT(S)	Nippon Koei Co., Ltd. Mitsui Kyodo Consultants Co., Ltd.		14.3%		
10. STUDY TEAM	No. of Members 18 Period Jul. 1984 - Jul. 1985 (13 months)  Total M/M 79.35 Japan 26.04 Field 53.31	Feasibility: Yes			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Analysis of water samples 404,000 Yen	Conditions and Development Impacts:			
12. EXPENDITURE	Total 200,442 (¥000) Contracted 200,692	5. TECHINCAL TRANSFER			
		(1) OJT (2) Use of local consultants			
		2. MAJOR REASONS FOR PRESENT STATUS		(1) Scarcity of local portion fund (2) Suspension of investment in rice producing schemes	
		3. PRINCIPAL SOURCES OF INFORMATION		(1)	

和名 カリアン多目的ダム建設計画

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

# PROJECT SUMMARY (F/S)

ASE IDN 330 /85

Compiled March 1988  
Revised March 1991

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"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Improvement Project of Telephone Network in Medan, Semarang and Solo	2. PROJECT COSTS	(US\$1=250Yen) Total Cost 156,211 Local Cost 139,803 Foreign Cost 16,408	(Description)  Following the proposals of the study, 2 or 3 new exchanges have been established. OECF Loan was not approved, but based on the study, "Local cable Network Expansion Project in Seven Cities" was identified with World Bank assistance during 1987-1989. This project includes Medan and Semarang.	
3. SECTOR	Communications & Broadcasting/ Telecommunication	3. CONTENTS OF MAJOR PROJECT(S)	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	EIRR FIRR 20.93% Feasibility: Yes		
5. TYPE OF STUDY	F/S	7. OBJECTIVES OF STUDY	To formulate long-term telephone network plans for three cities of Medan, Semarang and Solo with 2005 as final year.		
6. COUNTERPART AGENCY	POSTEL, PERUMTEL	8. DATE OF S/W	Jun. 1984	2. MAJOR REASONS FOR PRESENT STATUS	
9. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.	10. STUDY TEAM	No. of Members 18 Period Nov. 1984 - Oct. 1985 (13 months) Total M/M 81.21 Japan 34.67 Field 46.54		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		3. PRINCIPAL SOURCES OF INFORMATION	
12. EXPENDITURE	Total 192,347 (Y'000) Contracted 193,672	12. EXPENDITURE	(1) Trainee acceptance; 2 counterparts invited to Japan, and Training for a month. (2) On the job training (PERUMTEL counterparts)		

和名 メダン・スマラン・ソロ電話網整備計画

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

# PROJECT SUMMARY (Basic Study)

ASE IDN 502/85

Compiled March 1988  
Revised March 1991

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

和名 カリマンタン州ネガラ河上流域地図作成事業

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

# PROJECT SUMMARY (M/P)

Compiled March 1990  
Revised March 1991

ASE IDN 118/86

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

和名 電気通信システム長期開発計画

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



Compiled	March 1990
Revised	March 1991

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

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

## ASE IDN 212B /86

Compiled	March 1990
Revised	March 1991

[illegible]

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

Compiled March 1990  
Revised March 1991

ASE IDN 213A /86

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

和名 中部ジャワ・ジョグジャカルタ空港整備計画

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

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

ASE IDN 213B /86

Compiled March 1990  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Yogyakarta, Surakarta		1. PRESENT STATUS  <input type="checkbox"/> Completed or in Progress <input type="radio"/> Completed <input type="radio"/> Implementing <input type="radio"/> Processing <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Airport Development Project in Central Java and Jogjakarta	2. PROJECT COSTS	(US\$1=200Yen) Total Cost Local Cost Foreign Cost (US\$1,000) 1) 92,000 3,600 2) 47,000 3)		
3. SECTOR	Transportation/ Air Transportation & Airport	3. CONTENTS OF MAJOR PROJECT(S)	Yogyakarta Surakarta Runway 2,500m X 45m 390 X 45m(Extension) (New construction) Apron 41,000sq.m 20,000sq.m Passenger 12,000sq.m 7,700sq.m Terminal Air Navigation(ILS CAT-1), Supply Management facilities Systems Implementation Period: 1) 1991 - 1994 1) 1990 - 1993		(Description)  1990 Indonesian authorities are considering to request an E/S loan from OECF separately for Yogyakarta and Surakarta.
4. REFERENCE NO.		4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR FIRR 1) 13.9% 2) 14.0% Feasibility: Conditions and Development Impacts: IRR Calculation: Future traffic volume was forecast for the target year 2000 and 2010. Project life is estimated for 15 years after commencement of the construction up to 2010. Impact: Trunk line network which connects several regions will be developed by improving Yogyakarta and Surakarta airports as one of transportation facilities improvement plan in Central Java region especially in the southern area, where transport network requires improvement.		
5. TYPE OF STUDY	(M/P)+F/S	5. TECHINCAL TRANSFER	(1) Demand forecast technique, seminar on using computer. (2) Training on execution method of air passenger flow survey (3) Overseas training on airport planning (4) Employment of local Consultants for soil/topo survey work		
6. COUNTERPART AGENCY		12. EXPENDITURE	Total 233,054 (¥000) Contracted 221,324		
7. OBJECTIVES OF STUDY		11. ASSOCIATED AND/OR SUBCONTRACTED STUDY			2. MAJOR REASONS FOR PRESENT STATUS  New project has been delayed due to financial problem
8. DATE OF S/W	Feb. 1985	10. STUDY TEAM	No. of Members 11 Period Aug. 1985 - Nov. 1986 (16 months) Total M/M Japan 41.42 Field 35.70		3. PRINCIPAL SOURCES OF INFORMATION  (1) (2)
9. CONSULTANT(S)	Pacific Consultants International				

和名 中部ジャワ・ジョグジャカルタ空港整備計画

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

Compiled	March 1990
Revised	March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Surabaya and Banjarmasin		1. PRSENT 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	Surabaya-Banjarmasin Submarine Cable Project	2. PROJECT COSTS	(US\$1=125Yen)		
			Total Cost	Local Cost	Foreign Cost
		(US\$1,000)	1) 57,000	2,000	55,000
3. SECTOR	Communications & Broadcasting/ Telecommunication	3. CONTENTS OF MAJOR PROJECT(S)			
4. REFERENCE NO.		Fiber optical Cable(submarine)	390km		
5. TYPE OF STUDY	F/S	Digital Microwave Radio System			
6. COUNTERPART AGENCY	POSTEL, PERUMTEL	Power Supply Facilities			
7. OBJECTIVES OF STUDY	To examine technical and economical/financial Feasibilities of Surabaya-Banjarmasin submarine cable project	Large 6 small 3			
8. DATE OF S/W	Feb.1985	Implementation Period:	Oct.1989 - Mar.1991		
9. CONSULTANT(S)	Nippon Telecommunication Consulting Co.,Ltd. Kokusai Denshin Denwa Co.,Ltd., Sanyo Hydrographic Survey Co.,Ltd.	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR	
		Feasibility: Yes	18.0%		
10. STUDY TEAM	No. of Members 30 Period Dec.1985 - Aug.1986 (9 months)  Total M/M 48.42 Japan 21.13 Field 27.29	Conditions and Development Impacts: Conditions: IRR calculated based on: (1) 3,960 ch(280 Mbps) Submarine cable system (2) System Life time; 25 years Development Impacts; Toll traffic between Kalimantan and Jawa Island is to be improved			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINCAL TRANSFER			
12. EXPENDITURE	Total 247,184 (¥'000) Contracted 236,165	(1) Trainee acceptance; 2 counterparts studied marine cable system (2) On the job training (PERUMTEL counterparts)			
		2. MAJOR REASONS FOR PRESENT STATUS		(1) Alternative route for Kalimantan-Java (2) Digitalization and expansion of 2nd Java-Bali Route	
		3. PRINCIPAL SOURCES OF INFORMATION		(1)	

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

### PROJECT SUMMARY (M/P)

Compiled	March 1990
Revised	March 1991

ASE IDN 119 /87

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

和名 ジャカルタ首都圏幹線道路網整備計画

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

# PROJECT SUMMARY (M/P)

Compiled March 1990  
Revised March 1991

ASE IDN 121/87

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	Whole country of Indonesia		1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Future Demand of the Inter-Island Traffic	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost    Local Cost    Foreign Cost		
3. SECTOR	Transportation/ Air Transportation & Airport	3. MAJOR PROJECT(S) PROPOSED	Indonesia was divided into 7 regions (primary zones) in order to forecast inter-regional traffic demand. The main objective is to derive and present the future development project and the direction for introduction of appropriate aircraft types. To this end, a methodology was used that the primary zones were subdivided into 181 zones to make a detailed demand forecast. According to this detailed demand forecast, realistic new-air routes were extracted and incorporated with the existing air network to forecast the future air passenger traffic. At the same time, the study of airport facilities, air navigational system, telecommunication system as well as fundamental specifications		<p>(Description)</p> <p>Based on the findings of the study, the Directorate General of Air Communication (DGAC) requested to the Japanese Government a M/P study on the rehabilitation of major airports (the study is now being undertaken).</p> <p>Other related requests were as follows.</p> <ul style="list-style-type: none"> <li>- DGAC requested a master plan study on national telecommunication system development.</li> <li>- DGAC requested OECF for the study on Ujung Pandang Airport Development.</li> <li>- BBTP and IPTN (an Indonesian airplane manufacturer) are considering to request a study on feeder air routes.</li> </ul>
4. REFERENCE NO.		4. CONDITIONS AND DEVELOPMENT IMPACTS	10 routes for 1994 and 10 for 2004 as the realistic new trunk routes and 13 routes for 1994 and 19 routes for 2004 as the realistic new feeder routes were selected by extracting the O-D data for passengers and cargo of major airports, local airports, trunk routes and feeder routes. It is the first time for Indonesia to conduct such a soft-ware study as this kind, and the Study was appreciated to be attributable to the development plan for an aeronautical system as a whole. Since this kind of study is essential prior to plan to develop an airport, the Study would have a great impact on the other transport system than the air. It is assumed that more soft-ware projects of this kind will be generated in future.		
5. TYPE OF STUDY	M/P	5. TECHINCAL TRANSFER	Counterparts of BBTP, IPTN as well as DGCA were positively asked to join in the study work in conjunction with the process of the work. It was also noted that the trainees were sent to Japan at the BBTP's expense to receive the training course, besides the JICA training. Since there are many methods for a demand forecast, being different depending on the cases, a fundamental and simple method was accented to derive an effective achievement for the trainees.		
6. COUNTERPART AGENCY	Assessment and Application of Technology (BBTP)				
7. OBJECTIVES OF STUDY	Air Transport				
8. DATE OF S/W	Jun. 1986				
9. CONSULTANT(S)	Nippon Koei Co., Ltd. Central Consultant Inc.				
10. STUDY TEAM	No. of Members 13 Period Dec. 1986 - Mar. 1988 (16 months)  Total M/M 61.14 Japan 14.10 Field 47.04				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY					
12. EXPENDITURE	Total 218,319 (¥'000) Contracted 171,077				
				2. MAJOR REASONS FOR PRESENT STATUS	
				3. PRINCIPAL SOURCES OF INFORMATION	
				(1)	

和名 島嶼間交通需要予測

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

# PROJECT SUMMARY (M/P)

Compiled March 1990  
Revised March 1991

ASE IDN 120/87

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS													
1. COUNTRY	Indonesia	1. SITE OR AREA	Two Kabupatens of Serang and Pandeglang and the Krakatau Islands of Kab.Lampung Selatan														
2. NAME OF STUDY	Regional Development Project in the Western Part of Java	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1) (US\$1,000)</td> <td>7,000</td> <td>850</td> <td>6,150</td> </tr> <tr> <td>2)</td> <td>133,700</td> <td>37,100</td> <td>96,600</td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	1) (US\$1,000)	7,000	850	6,150	2)	133,700	37,100	96,600
	Total Cost	Local Cost	Foreign Cost														
1) (US\$1,000)	7,000	850	6,150														
2)	133,700	37,100	96,600														
3. SECTOR	Tourism/ General	3. MAJOR PROJECT(S) PROPOSED	<p>(Description)</p> <p>The Directorate General of Tourism(DGT) is examining the possibility of obtaining OECF financing and/or private sector investments.</p>														
4. REFERENCE NO.		<p>Following six(6) projects were proposed as promising tourism projects for the period through 2010,</p> <p>(1) Old Banten Site (Priority project)</p> <p>(2) Tanjung Lesung Beach Resort (priority project)</p> <p>(3) Tropical Marine Park</p> <p>(4) Ujung Kulon and Krakatan Islands</p> <p>(5) Country Park</p> <p>(6) Kur Park</p>															
5. TYPE OF STUDY	M/P																
6. COUNTERPART AGENCY	Development of Tourism,Post and Tele-communication,Directorate General of Tourism																
7. OBJECTIVES OF STUDY	Formulation of a Master Plan of tourism projects to promote regional development																
8. DATE OF S/W	Feb.1986	4. CONDITIONS AND DEVELOPMENT IMPACTS	<p>With tourism development, the region concerned is expected to receive the following beneficial effects.</p> <ul style="list-style-type: none"> <li>-Foreign exchange earning</li> <li>-Recreational benefits for people</li> <li>-Regional growth</li> <li>-Job opportunities and creation of Local markets</li> <li>-Increase purchasing power</li> <li>-Improvement of marketing</li> <li>-Improvement of infrastructures and public utilities</li> <li>-Others</li> </ul>														
9. CONSULTANT(S)	Nippon Koei Co.,Ltd. Mitsubishi Research Institute,Inc.	<p>2. MAJOR REASONS FOR PRESENT STATUS</p> <p>In the original plan of Repelita V prepared by the Deptment of Tourism, the present projects is given the top priority.</p>															
10. STUDY TEAM	<p>No. of Members 14</p> <p>Period Aug.1986 - Feb.1988 (19 months)</p> <p>Total M/M 89.94</p> <p>Japan 41.46</p> <p>Field 48.48</p>																
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINCAL TRANSFER	<p>3. PRINCIPAL SOURCES OF INFORMATION</p> <p>(1)</p>														
12. EXPENDITURE	<p>Total 273,586 (¥'000)</p> <p>Contracted 265,285</p>																



## PROJECT SUMMARY (F/S)

Compiled	March 1990
Revised	March 1991

ASE IDN 332 /87

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Central District of Jakarta City		1. PRESENT STATUS  <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Implementing <input checked="" type="radio"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Solid Waste Management System Improvement Project in the City of Jakarta	2. PROJECT COSTS	(US\$1=1,620Rp)		
3. SECTOR	Public Utilities/ Urban Sanitation		Total Cost	Local Cost	(Description)  OECF has agreed to an E/S loan for FY 1990 (270 million yen). However, the site for the solid waste transfer station was reassigned for housing development. As of Dec. 1990, the city authorities of Jakarta is still looking for an alternative site for the station, delaying the start of E/S.
4. REFERENCE NO.					
5. TYPE OF STUDY	F/S				
6. COUNTERPART AGENCY	Ministry of Public Works, Jakarta Municipality,	3. CONTENTS OF MAJOR PROJECT(S)			
7. OBJECTIVES OF STUDY	Master plan for improvement of solid waste management system, and feasibility study for the first priority project				
8. DATE OF S/W	Sep. 1984				
9. CONSULTANT(S)	Yachiyo Engineering Co., Ltd. Ex Urban Planning Institute				
10. STUDY TEAM	No. of Members 13 Period Dec. 1985 - Nov. 1987 (24 months)  Total M/M 97.93 Japan 36.90 Field 61.03	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR 6.3%	FIRR	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Topographic survey analysis for specimen arrangement of equipment for collection and equipment	Conditions and Development Impacts: Conditions for IRR calculation: Decrease in transportation cost through improvement of the transfer stations was viewed as a benefit Calculation period was 1992-2005. Development effects: Sanitary environment for the Central District of Jakarta will be improved to a great extent.			
12. EXPENDITURE	Total 286,706 (¥'000) Contracted 279,747	5. TECHINICAL TRANSFER	(1) Training on waste disposal technology was held in Japan for four(4) counterparts. (2) Lessons were given on large drying furnace for waste quality analysis and method for waste quality analysis		
		2. MAJOR REASONS FOR PRESENT STATUS		Although the procedures for E/S loan for fiscal year 1988 was prepared, the application was not made due to the financial situation of Indonesia.	
		3. PRINCIPAL SOURCES OF INFORMATION		(1)	

和名 ジャカルタ市都市廃棄物整備計画

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

# PROJECT SUMMARY (F/S)

ASE IDN 333 /87

Compiled March 1990  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Jakarta and Padang, Medan and Banda Aceh	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	Trans-Sumatera Terrestrial Digital Transmission System	2. PROJECT COSTS	(US\$1=125Yen) Total Cost Local Cost Foreign Cost 1) 61,000 100 60,900 2) 3)	(Description)  At F/S finished stage Government of Indonesia did not request a Japanese loan. The project is being implemented by French financing.	
3. SECTOR	Communications & Broadcasting/ Telecommunication	3. CONTENTS OF MAJOR PROJECT(S)	Contents Scale Digitalization of Switching system 2,690 L.U.(1994) Digitalization of Transmission system same above		
4. REFERENCE NO.		Implementation Period: 1989 - 1991		2. MAJOR REASONS FOR PRESENT STATUS  (1) Effectiveness (2) High priority	
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR FIRR 23% 25% Feasibility: Yes		
6. COUNTERPART AGENCY	POSTEL, PERUMTEL	Conditions and Development Impacts: -Assumption of IRR computation is to put practical use of existing route, JKT-MDN(1994) and MDN-BNA -Development impacts: By the digitalization of telecommunication network for Sumatra island, corresponding to possible all new services.		3. PRINCIPAL SOURCES OF INFORMATION  (1)	
7. OBJECTIVES OF STUDY	To verify technical and economic feasibility for trans-Sumatra Terrestrial Digital Transmission System and links major cities in Sumatra island and Jakarta	5. TECHINICAL TRANSFER			
8. DATE OF S/W	Jan.1987				
9. CONSULTANT(S)	Nippon Telecommunication Consulting Co.,Ltd. JSC, Yachiyo Engineering Co.,Ltd.				
10. STUDY TEAM	No. of Members 13 Period Jan.1987 - Mar.1988 (14 months) Total M/M Japan 39.39 Field 17.16				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY					
12. EXPENDITURE	Total 145,950 (Y'000) Contracted 140,023	(1) Trainee Acceptance: 3 counterparts studied in Japan on digitalization telecommunications Network. (2) On the job training (PERUMTEL counterparts)			

和名 スマトラ縦断幹線伝送路整備計画

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

# PROJECT SUMMARY (M/P)

ASE IDN 123/88

Compiled March 1990  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	The entire sea around Indonesia and major ports		1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Maritime Safety Plan Concerning Search and Rescue	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	<div>Total Cost    Local Cost    Foreign Cost</div> <div>1)                      643,500</div> <div>2)</div>		
3. SECTOR	Transportation/ Marine Transportation & Ships	3. MAJOR PROJECT(S) PROPOSED	(Description)  The Government of Indonesia is preparing to apply to either the OECF yen credit or to the Japanese grant aid program.		
4. REFERENCE NO.		- Procurement of search and rescue vessels and establishment of telecommunication between the vessels and coastal stations - Establishment of a training center - Improvement of port traffic control systems (Jakarta and Surabaya)			
5. TYPE OF STUDY	M/P				
6. COUNTERPART AGENCY	Directorate General of Sea Communications, Ministry of Communications				
7. OBJECTIVES OF STUDY	Development of the maritime safety and search and rescue system				
8. DATE OF S/W	Feb. 1987	4. CONDITIONS AND DEVELOPMENT IMPACTS	2. MAJOR REASONS FOR PRESENT STATUS		
9. CONSULTANT(S)	A consortium of consulting firms	With the introduction of search and rescue boats, the improvement of communication and manpower training, the project will increase the country's capability of coping with maritime accidents. The better port traffic control will considerably reduce the occurrence of maritime accidents.			
10. STUDY TEAM	No. of Members    11 Period            Oct. 1987 - Dec. 1988 (17 months)  Total M/M            67.6 Japan            36.9 Field            30.7	5. TECHINICAL TRANSFER	3. PRINCIPAL SOURCES OF INFORMATION		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY					
12. EXPENDITURE	Total            210,629 (¥'000) Contracted      197,260		(1)		

和名 海難搜索救助並びに海難予防体制整備計画

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

# PROJECT SUMMARY (M/P)

ASE IDN 122/88

Compiled March 1990  
Revised March 1991

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

和名 ウジュンパンダン都市圏道路網整備計画

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

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

Compiled March 1990  
Revised March 1991

ASE IDN 214A/88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA		1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Flood Control Plan of the Upper Citarum Basin	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	(US\$1=1,731Rp.) Total Cost    Local Cost    Foreign Cost 1) 69,668 2)	(Description) A feasibility study was subsequently conducted on the urgent projects.	
3. SECTOR	Social Infrastructures/ River & Erosion Control	3. MAJOR PROJECT(S) PROPOSED			
4. REFERENCE NO.		1) Long-term river improvement plan through the year 2005: - the distance from Kelugu Jampung to the upstream reach of the maximum flood basin 2) Flood basing control (non-structural measures): Regulations of land use, including the relief measure for damaged houses, and the establishment of the early warning system			
5. TYPE OF STUDY	M/P+(F/S)				
6. COUNTERPART AGENCY	Directorate of Rivers (DOR), Directorate General of Water Resource Development (DOWRD)				
7. OBJECTIVES OF STUDY	Formulation of a master plan through 2005 and identification and evaluation of urgent flood control projects				
8. DATE OF S/W	Dec.1986	4. CONDITIONS AND DEVELOPMENT IMPACTS	See next page.		
9. CONSULTANT(S)	Pacific Consultants International				
10. STUDY TEAM	No. of Members    11 Period            May1987 -- Dec.1988 (20 months)  Total M/M            57.44 Japan            17.13 Field            40.31				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Geological survey Installation of hydrological meters				
12. EXPENDITURE	Total            203,741 (¥'000) Contracted       187,711	5. TECHINCAL TRANSFER	2. MAJOR REASONS FOR PRESENT STATUS		
			3. PRINCIPAL SOURCES OF INFORMATION (1)		

和名 チタルム川上流域洪水防御計画

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

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

Compiled March 1990  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																
1. COUNTRY	Indonesia	1. SITE OR AREA	Bandung City (study area of 1,771 sq.km)		1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input checked="" type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled															
2. NAME OF STUDY	Flood Control Plan of the Upper Citarum Basin	2. PROJECT COSTS	<table border="1"> <tr> <td></td> <td>Total Cost</td> <td>Local Cost</td> <td>Foreign Cost</td> </tr> <tr> <td>1)</td> <td>61,476</td> <td>19,765</td> <td>41,711</td> </tr> <tr> <td>2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </table>				Total Cost	Local Cost	Foreign Cost	1)	61,476	19,765	41,711	2)				3)		
	Total Cost	Local Cost	Foreign Cost																	
1)	61,476	19,765	41,711																	
2)																				
3)																				
3. SECTOR	Social Infrastructures/ River & Erosion Control	3. CONTENTS OF MAJOR PROJECT(S)	(Description)  Feb. 1990 OECF loan agreed. Feb. 1991 D/D scheduled to begin.																	
4. REFERENCE NO.		Proposed urgent flood control measures: 1) Desiltation of the river 2) Reshaping of the slope 3) Revetment of river banks 4) Bridges (new construction and fortification) 5) Maintenance roads 6) Introduction of the flood forecasting and early warning system																		
5. TYPE OF STUDY	(M/P)+F/S	Implementation Period:	1990 - 1995		2. MAJOR REASONS FOR PRESENT STATUS															
6. COUNTERPART AGENCY	Directorate of Rivers (DOR), Directorate General of Water Resource Development (DGWRD)	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR 14.1% FIRR 14.1% Feasibility: Conditions and Development Impacts: Conditions: 1) Project life of 50 years 2) Opportunity cost of capital at 10% Social impacts: 1) The project will reduce the damages in the area of 4,090 ha and protect 19,300 houses entirely from floods and 24,100 houses from the flooding above 50cm. 2) Most of the road system will be protected from floods. Note: B/C ratio of 1.44 and NPV of Rp.26.9 billion																	
7. OBJECTIVES OF STUDY	Formulation of a master plan through 2005 and identification and evaluation of urgent flood control projects	10. STUDY TEAM	3. PRINCIPAL SOURCES OF INFORMATION																	
8. DATE OF S/W	Dec. 1986	No. of Members 11 Period May 1987 - Dec. 1988 (20 months) Total M/M 57.44 Japan 17.13 Field 40.31																		
9. CONSULTANT(S)	Pacific Consultants International	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	(1)																	
		Geological survey Installation of hydrological meters																		
12. EXPENDITURE	Total 203,741 (¥000) Contracted 187,711	5. TECHINCAL TRANSFER																		
		1) Participation of 3 counterparts in the JICA training program 2) OJT and a seminar																		